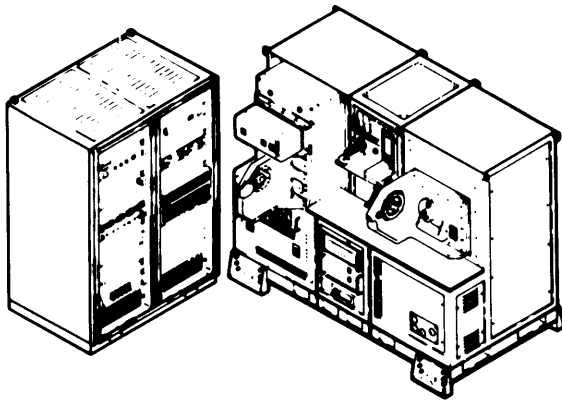


**TECHNICAL MANUAL  
ORGANIZATIONAL AND DIRECT SUPPORT  
MAINTENANCE MANUAL  
FOR  
ELECTRONIC EQUIPMENT TEST FACILITY  
TADS/PNVS AUGMENTATION EQUIPMENT  
13082808-39, 13231600, 13231650 AND 13231800  
WIRING DATA**



**ELECTRONIC STATION TO ELECTRO-OPTICAL  
TEST BENCH SET INTERCONNECTION (P 3-3)**

**ELECTRONIC STATION (P 3-6)**

**ELECTRO-OPTICAL TEST BENCH  
INTERCONNECTION (P3-35)**

**DAYSIDE TEST BENCH 2A1 (P 3-71)**

**TEST CONSOLE TEST BENCH 2A2 (P 3-151)**

**NIGHTSIDE TEST BENCH 2A3 (P 3-280)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**1 FEBRUARY 1986**



CHANGE

NO. 18

HEADQUARTERS  
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TEST FACILITY TADS/PNVS AUGMENTATION EQUIPMENT

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A and B

3-3

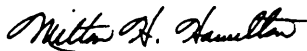
3-3

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Organizational and Direct Support Maintenance Manual

ELECTRONIC EQUIPMENT TEST FACILITY  
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Remove pages	Insert pages
A through D	A through D
i and ii	i and ii
3-3 and 3-4	3-3
3-4.1 and 3-4.2	3-4.2
3-4.2.3 through 3-4.2.6	3-4.2.3 through 3-4.2.6
-----	3-4.2.6.1/(3-4.2.6.2 blank)
3-5 and 3-6	3-5 and 3-6
3-33 and 3-34	3-33 and 3-34
3-37 and 3-38	3-37 and 3-38
3-45 and 3-46	3-45 and 3-46
3-49 through 3-54	3-49 through 3-54
3-71 and 3-72	3-71 and 3-72
3-79 and 3-80	3-79 and 3-80
3-83 and 3-84	3-83 and 3-84
3-87 and 3-88	3-87 and 3-88
3-94.1 through 3-94.3/(3-94.4 blank)	3-94.1 through 3-94.4
-----	3-94.5 through 3-94.9/(3-94.10 blank)
3-95 through 3-122	3-95
3-123 and 3-124	3-124
3-133 and 3-134	3-133 and 3-134
3-153 and 3-154	3-153 and 3-154
3-163 and 3-164	3-163 and 3-164
3-203 through 3-210	3-203 through 3-210
3-213 and 3-214	3-213 and 214
3-225 and 3-226	3-225 and 3-226
3-226.5 and 3-226.6	3-226.5 and 3-226.6
3-237 and 3-238	3-237 and 3-238
3-281 through 3-290	3-281 through 3-290

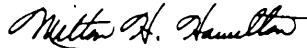
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Remove pages

A through L  
3-7 and 3-8  
3-11 and 3-12  
3-81 and 3-82  
3-89 and 3-90  
3-226.7 and 3-226.8  
FO-56.1/(FO-56.2 blank)  
FO-61/(FO-62 blank)

Insert pages

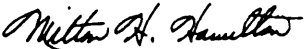
A through D  
3-7 and 3-8  
3-11 and 3-12  
3-81 and 3-82  
3-89 and 3-90  
3-226.7 and 3-226.8  
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Remove pages

A and B  
3-29 and 3-30  
3-127 through 3-130  
3-131 and 3-132

Insert pages

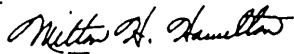
A and B  
3-29 and 3-30  
3-127 and 3-130  
3-131 and 3-132

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Remove pages	Insert pages
A through D	A through D
3-19 and 3-20	3-19 and 3-20
3-37 and 3-38	3-37 and 3-38
3-47 through 3-50	3-47 through 3-50
3-83 and 3-84	3-83 and 3-84
3-89 and 3-90	3-89 and 3-90

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Remove pages

A through D  
3-226.3 through 3-226.6  
3-226.9 and 3-226.10  
3-230.1 and 3-230.2  
3-233 through 3-242  
3-249 through 3-272  
3-277 and 3-278  
3-278.1 and 3-278.2  
3-279 and 3-280  
3-283 through 3-288  
3-291 and 3-292  
3-295 and 3-296

Insert pages

A through D  
3-226.3 through 3-226.6  
3-226.9 through 3-226.10  
3-230.1 and 3-230.2  
3-233 through 3-242  
3-249 through 3-272  
3-277 and 3-278  
3-278.1 and 3-278.2  
3-279 and 3-280  
3-283 through 3-288  
3-291 and 3-292  
3-295 and 3-296

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MAINTENANCE MANUAL FOR ELECTRONIC EQUIPMENT  
TEST FACILITY TADS/PNVS AUGMENTATION EQUIPMENT

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Remove pages	Insert pages
A through D	A through D
3-9 through 3-16	3-9 through 3-16
3-21 through 3-28	3-21 through 3-28
3-55 and 3-56	3-55 and 3-56
3-83 and 3-84	3-83 and 3-84
3-89 and 3-90	3-89 and 3-90
3-129 through 3-138	3-129 through 3-138
3-163 through 3-166	3-163 through 3-166
3-171 and 3-172	3-171 and 3-172
3-175 through 3-178	3-175 through 3-178
3-183 and 3-184	3-183 and 3-184
3-187 through 3-202	3-187 through 3-202
3-211 through 3-214	3-211 through 3-214

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TEST FACILITY TADS/PNVS AUGMENTATION EQUIPMENT

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Remove pages	Insert pages
A through D	A through D
3-4.3 and 3-4.4	3-4.3 and 3-4.4
3-4.7 through 3-4.10	3-4.7 through 3-4.10
3-4.10.1 and 3-4.10.2	3-4.10.1 and 3-4.10.2
3-17 through 3-20	3-17 through 3-20
3-29 and 3-30	3-29 and 3-30
3-37 through 3-42	3-37 through 3-42
3-53 and 3-54	3-53 and 3-54
3-150.1 and 3-150.2	3-150.1 and 3-150.2
3-155 and 3-156	3-155 and 3-156
3-203 and 3-204	3-203 and 3-204
3-275 through 3-278	3-275 through 3-278
3-278.1 and 3-278.2	3-278.1 and 3-278.2
3-293 through 3-298	3-293 through 3-298
3-301 and 3-203	3-301 and 3-302

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TEST FACILITY TADS/PNVS AUGMENTATION EQUIPMENT

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Remove pages	Insert pages
A through D	A through D
3-9 and 3-10	3-9 and 3-10
3-13 and 3-14	3-13 and 3-14
3-19 and 3-20	3-19 and 3-20
3-23 through 3-26	3-23 through 3-26
3-29 and 3-30	3-29 and 3-30
3-33 and 3-34	3-33 and 3-34
3-37 and 3-38	3-37 and 3-38
3-49 through 3-54	3-49 through 3-54
3-79 through 3-82	3-79 through 3-82
3-94.1 and 3-94.2	3-94.1 and 3-94.2
3-130	3-129/3-130
3-131 through 3-134	3-131 through 3-134
3-153 and 3-154	3-153 and 3-154
3-163 through 3-168	3-163 through 3-168
3-183 and 3-184	3-183 and 3-184
3-203 through 3-210	3-203 through 3-210
3-213 and 3-214	3-213 and 3-214
3-215 through 3-218	- - -
3-219 and 3-220	3-219 and 3-220
3-221 and 3-222	- - -
3-225 and 3-226	3-225 and 3-226
3-266.5 and 3-226.6	3-266.5 and 3-226.6
3-275 through 3-278	3-275 through 3-278
3-278.1 and 3-278.2	3-278.1 and 3-278.2
3-281 through 3-284	3-281 through 3-284
3-287 through 3-290	3-287 through 3-290
3-301 and 3-302	3-301 and 3-302
FO-56.1/FO-56.2	FO-56.1/FO-56.2
FO-57/FO-58	FO-57/FO-58
FO-61/FO-62	FO-61/FO-62

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	<u>Remove pages</u>	<u>Insert pages</u>
Table of Contents	i and ii	i and ii
Chapter 3	3-77 and 3-78 3-81 and 3-82 3-93 and 3-94 3-138.1 and 3-138.2 3-202.1 and 3-202.2 3-285 and 3-286 3-293 thru 3-296 FO-53/(FO-54 blank) FO-55/(FO-56 blank)	3-77 and 3-78 3-81 and 3-82 3-93 and 3-94 3-138.1 and 3-138.2 3-202.1 and 3-202.2 3-285 and 3-286 3-293 thru 3-296 FO-53/(FO-54 blank) --
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Cover	Cover	Cover

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Remove pages	insert pages
3-39 and 3-40	3-39 and 3-40
3-47 and 3-48	3-47 and 3-48
3-55 and 3-56	3-55 and 3-56
3-225 through 3-226	3-225 through 3-226
3-226.1 through 3-226.6	3-226.1 through 3-226.6
3-226.11 and 3-226.12	3-226.11 and 3-226.12
3-227 through 3-230	-----
3-230.1 and 3-230.2	3-230.1 and 3-230.2
3-241 and 3-242	3-241 and 3-242
3-269 and 3-270	3-269 and 3-270
3-277 and 3-278	3-277 and 3-278
3-278.1 and 3-278.2	3-278.1 and 3-278.2
3-293 and 3-294	3-293 and 3-294

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TEST FACILITY TADS/PNVS AUGMENTATION EQUIPMENT  
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3-37 and 3-38	3-37 and 3-38
3-43 and 3-44	3-43 and 3-44
3-47 through 3-58	3-47 through 3-58
3-61 through 3-72	3-61 through 3-72
3-77 and 3-78	3-77 and 3-78
3-81 and 3-82	3-81 and 3-82
3-85 and 3-86	3-85 and 3-86
3-89 and 3-90	3-89 and 3-90
3-93 through 3-94.2	3-93 through 3-94.2
3-125 and 3-126	3-125 and 3-126
(3-129 blank)/3-130 through 3-136	(3-129 blank)/3-130 through 3-136
3-138.1 and 3-138.2	3-138.1 and 3-138.2
3-150.1 through 3-150.37(3-150.4 blank)	3-150.1 through 3-150.37(3-150.4 blank)
3-153 through 3-158	3-153 through 3-158
3-189 through 3-192	3-189 through 3-192
3-195 and 3-196	3-195 and 3-196
3-281 through 3-292	3-281 through 3-292
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3-3 and 3-4 . . . . .	3-3 and 3-4
3-4.9 and 3-4.10 . . . . .	3-4.9 and 3-4.10
3-4.10.1 and 3-4.10.2 . . . . .	3-4.10.1 and 3-4.10.2
3-5 and 3-6 . . . . .	3-5 and 3-6
3-31 and 3-32 . . . . .	3-31 and 3-32
3-71 through 3-76 . . . . .	3-71 through 3-73/(4-74 blank)
3-95 through 3-124 . . . . .	3-95 through 3-124
3-127 through 3-130 . . . . .	3-127 through (3-129 blank)/3-130
None . . . . .	3-138.1 and 3-138.2
3-139 through 3-142 . . . . .	3-139 through 3-142
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None . . . . .	3-226.1 through 3-226.12
FO-41/(FO-42 blank) . . . . .	FO-41/(FO-42 blank)
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CHANGE

No. 5

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ORGANIZATIONAL AND DIRECT SUPPORT  
MAINTENANCE MANUAL

ELECTRONIC EQUIPMENT TEST FACILITY  
TADS/PNVS AUGMENTATION EQUIPMENT  
13082808-39, 13231600, 13231650 AND 13231800

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*Remove pages*

*Insert pages*

3-253 through 3-256 .....	3-253 through 3-256
3-305 and 3-306 .....	3-305 and 3-306

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1. Remove and insert pages as indicated below.

<u>Remove pages</u>	<u>Insert pages</u>
3-3 thru 3-4.2	3-3 thru 3-4.2
3-4.7 thru 3-4.10	3-4.2.1 thru 3-4.2.8
3-5 and 3-6	3-4.7 thru 3-4.10
3-23 thru 3-28	3-4.10.1 and 3-4.10.2
3-71 thru 3-74	3-5 and 3-6
3-81 and 3-82	3-6.1/(3-6.2 blank)
3-93 thru 3-94.1/ (3-94.2 blank)	3-23 thru 3-28
3-123 and 3-124	3-71 thru 3-74
3-127 thru 3-130	3-81 and 3-82
3-137 thru 3-142	3-93 thru 3-94.3/ (3-94.4 blank)
3-151 and 3-152	3-123 and 3-124
3-183 and 3-184	3-127 thru 3-130
3-215 thru 3-218	3-137 and 3-138
3-221 and 3-222	3-139/(3-140 blank)
3-225 and 3-226	3-141 and 3-142
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	3-278.1 and 3-278.2
	3-279 and 3-280

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F0-59/(F0-60 bl ank)  
F0-61/(F0-62 bl ank)

F0-41/(F0-42 bl ank)  
F0-45/(F0-46 bl ank)  
F0-46. 1/(F0-46. 2 bl ank)  
F0-47/(F0-48 bl ank)  
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Change

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3-13 and 3-14  
3-77 through 3-80  
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3-291 and 3-292  
3-295 and 3-296

Insert pages

3-13 and 3-14  
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3-127 through 3-130  
3-133 through 3-136  
3-231 through 3-236  
3-243 and 3-244  
2-247 through 3-252  
3-257 through 3-262  
3-265 through 3-268  
3-271 through 3-274  
3-283 and 3-284  
3-291 and 3-292  
3-295 and 3-296

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Change  
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TADS/PNVS AUGMENTATION EQUIPMENT

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3-4.5 and 3-4.6	3-4.5 and 3-4.6
3-15 through 3-18	3-15 through 3-18
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3-275 through 3-278	3-275 through 3-278
3-299 and 3-300	3-299 and 3-300
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AUGMENTATION EQUIPMENT

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3-3 and 3-4  
3-4.1 and 3-4.2  
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3-91 and 3-92  
None  
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- Change . . . .4...01 July 1988
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3-306	5	FO-63	1
3-307	1	FO-64 Bl ank	0
3-308 Bl ank	0		

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ORGANIZATIONAL AND DIRECT SUPPORT  
 MAINTENANCE MANUAL  
 FOR  
 ELECTRONIC EQUIPMENT TEST FACILITY  
 TADS/PNVS AUGMENTATION EQUIPMENT

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## CHAPTER 3

## WIRING DATA

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Test Program Sets Wiring Data . . . . .	VIII	3-309

## OVERVIEW

This chapter provides wiring data that covers both the electronic station and electro-optical test bench set. This includes interconnection diagrams and wire lists. Cable assemblies are listed in order by reference designator and part number.

This chapter also provides wiring data for the test program sets (TPS). This includes wire lists for the major test adapter UUT cable assemblies, self-test connectors, and test fixtures each covered in part number sequence.

Refer to system interconnection diagram (FO-32), AC power distribution diagram (FO-33), DC power distribution diagram (FO-34), and Laser interlock circuit diagram (FO-35), at the end of this volume for supplementary troubleshooting data for the EETF TADS/PNVS Augmentation Equipment.

Section I. REPAIR PARTS; SPECIAL TOOLS; TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE) ; AND SUPPORT EQUIPMENT

	Para	Page
Common Tools and Equipment . . . . .	3-1	3-2
Special Tools, TMDE, and Support . . . . .	3-2	3-2
Repair Parts . . . . .	3-3	3-2

3-1. COMMON TOOLS AND EQUIPMENT 3-1

For authorized common tools and equipment, refer to the Modified Table of organization and Equipment (MTOE) applicable to your unit.

3-2. SPECIAL TOOLS, TMDE, AND SUPPRT EQUIPMENT 3-2

For authorized special tools and support equipment pertaining to direct support maintenance, refer to TM 11-6625-3081-23P, Repair Parts and Special Tools List (RPSTL). For some work on the EETF TADS/PNVS Augmentation Equipment, special tools, TMDE, or support equipment are needed. The following is a list of these items.

Item No.	National Stock No. <b>or</b> Part No.	Nomenclature
1	AN/USM-451	Multimeter, digital

3-3. REPAIR PARTS 3-3

Repair parts are listed and illustrated in the RPSTL (TM 11-6625-3081-23P) covering organizational and direct support maintenance for this equipment.

Section II. ELECTRONIC STATION TO ELECTRO-OPTICAL TEST BENCH  
SET INTERCONNECTION WIRING DATA

Subject	Part No.	Para	Page
General		3-4	3-3
Electronic Station/Electro-Optical Test Bench Set			
Cable Assembly W1 Wire List	13231404	3-5	3-4.2
Cable Assembly W26 Wire List	13081531	3-5	3-4.2.1
Cable Assembly W26 Wire Diagram	13081531	3-5	3-4.2.1
Cable Assembly W58 Wire List	13083702	3-5	3-4.2.2
Cable Assembly W61 Wire List	13083092	3-5	3-4.2.7
Cable Assembly W62 Wire List	13083093	3-5	3-4.2.8
Cable Assembly W64 Wire List	13081836	3-5	3-4.3
Cable Assembly W66 Wire List	13081837	3-5	3-4.8
Cable Assembly W78 Wire Diagram	13081706-29	3-5	3-4.10
Cable Assembly W81 Wire Diagram	13081706	3-5	3-4.10
Cable Assembly W94 Wire Diagram	13081454-29	3-5	3-4.10
Cable Assembly W106 Wire List	13230911	3-5	3-4.10.1
Cable Assembly W107 Wire Diagram	13081706-69	3-5	3-4.10.2
Self-Test Connector 13081832 Wire List	13081832	3-5.1	3-4.10.2
Self-Test Connector 13081832-19 Wire List	13081832-19	3-5.1	3-5
Self-Test Connector 13081833 Wire List	13081833	3-5.1	3-5

3-4. GENERAL

3-4

a. This section contains cables and self-test connectors that are connected as required by data displayed on video display terminal for the self-test and/or TPS usage. Cable assembly wire lists are presented in cable reference designator sequence. Self-test connectors are in part number order.

b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.

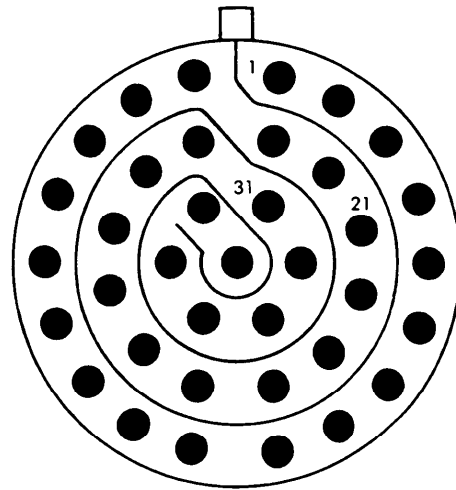






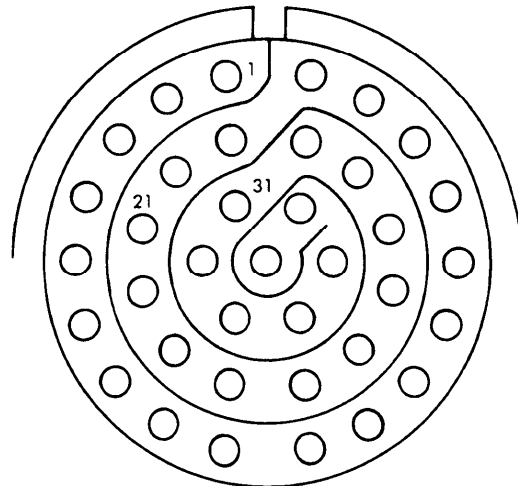
CABLE ASSEMBLY W1 WIRE LIST

FROM	TO	ID	WIRE SIZE	SIGNAL/FUNCTION
P1-1	P2-1	1	24	6.3 VAC
P1-2	P2-2	2	24	6.3 VAC RTN
P1-3	P2-3	3	24	+15 VDC
P1-4	P2-4	4	24	-15 VDC
P1-5	P2-5	5	24	MSL SEL
P1-6	P2-6	6	24	WIDTH REG IN
P1-7	P2-7	7	24	WIDTH REG RTN
P1-8	P2-8	8	24	WIDTH REG OUT
P1-10	P2-10	9	24	VERT RTN
P1-11	P2-11	10	24	VERT INPUT
P1-12	P2-12	11	24	HOD VSFP
P1-14	P2-14	12	24	VIDEO RTN
P1-15	P2-15	13	24	G2 FOCUS
P1-16	P2-16	14	24	FOCUS RTN
P1-17	P2-17	15	24	G1
P1-18	P2-18	16	24	+100 VDC
P1-19	P2-19	17	24	+100 VDC RTN
P1-20	P2-20	18	24	HOD BK PORCH
P1-21	P2-21	19	22	HOD BKPCH RTN
P1-22	P2-22	20	22	CHASSIS COMMON
P1-23	P2-23	21	24	H YOKE HI
P1-24	P2-24	22	24	H YOKE LO
P1-30	P2-30	23	24	+28 (ETM)
P1-31	P2-31	24	24	+28 RTN
P2-1	P1-1	1	24	6.3 VAC
P2-2	P1-2	2	24	6.3 VAC RTN
P2-3	P1-3	3	24	+15 VDC
P2-4	P1-4	4	24	-15 VDC
P2-5	P1-5	5	24	MSL SEL
P2-6	P1-6	6	24	WIDTH REG IN
P2-7	P1-7	7	24	WIDTH REG RTN
P2-8	P1-8	8	24	WIDTH REG OUT
P2-10	P1-10	9	24	VERT RTN
P2-11	P1-11	10	24	VERT INPUT
P2-12	P1-12	11	24	HOD VSFP
P2-14	P1-14	12	24	VIDEO RTN
P2-15	P1-15	13	24	G2 FOCUS
P2-16	P1-16	14	24	FOCUS RTN
P2-17	P1-17	15	24	G1
P2-18	P1-18	16	24	+100 VDC
P2-19	P1-19	17	24	+100 VDC RTN
P2-20	P1-20	18	24	HOD BK PORCH
P2-21	P1-21	19	22	HOD BKPCH RTN
P2-22	P1-22	20	22	CHASSIS COMMON
P2-23	P1-23	21	24	H YOKE HI
P2-24	P1-24	22	24	H YOKE LO
P2-30	P1-30	23	24	+28 (ETM)
P2-31	P1-31	24	24	+28 RTN



EL9LQ-1000-86

**P1 - MS27656T15F35P**



EL9LQ-1000-86

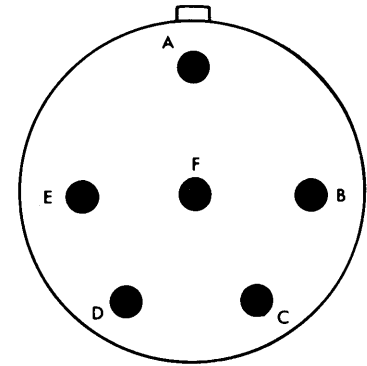
**P2 - MS27656T15F35S**

3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

CABLE ASSEMBLY W26 WIRE LIST

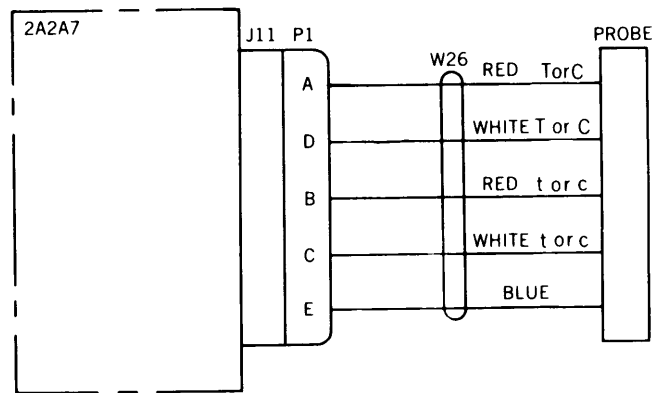
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-A	T or C			MINCO PROBE/MPA
P1-B	t or c			MINCO PROBE/MPB
P1-C	t or c			MINCO PROBE/MPB
P1-D	T or C			MINCO PROBE/MPD
P1-E	PROBE			MINCO PROBE/MPS (SHIELD)



EL9LQ-1000-60 A

P1 - MS27467T11B98P

CABLE ASSEMBLY W26 WIRE DIAGRAM



EL9LQ-1010-74 A

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

## CABLE ASSEMBLY W58 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P1-A1	P3-118	1	24	P1-M4	P3-104	101	24
P1-A3	P3-121	2	24	P1-M5	P3-18	51	24
P1-A5	P3-122	3	24	P1-M6	SPL7	52	24
P1-B1	P3-124	4	24	P1-N1	P6-A	53	24
P1-B3	P3-125	5	24	P1-N2	P6-B	54	24
P1-B5	P5-A	6	24	P1-N3	P6-C	55	24
P1-C1	P5-B	7	24	P1-N4	P6-D	56	24
P1-C3	P5-C	8	24	P1-N5	P2-J3	58	24
P1-C5	P5-D	9	24	P1-N5	P6-E	57	24
P1-D1	P5-E	10	24	P1-N6	P2-J2	60	24
P1-D3	P5-F	11	24	P1-N6	P6-F	59	24
P1-D4	P2-E2	187	24	P1-U1	P3-71	61	24
P1-D5	SPL2	12	24	P1-U2	P3-70	62	24
P1-E1	P5-R	13	24	P1-U3	P3-66	63	24
P1-E3	P5-S	14	24	P1-U4	P3-65	64	24
P1-E5	P5-U	15	24	P1-U5	P3-64	65	24
P1-F1	P5-V	16	24	P1-U6	P3-63	66	24
P1-H2	SPL3	17	24	P1-V1	P3-25	21	24
P1-H3	P5-M	20	24	P1-V2	P3-26	203	24
P1-H4	P4-31	22	24	P1-V3	P3-27	204	24
P1-H5	P3-55	158	24	P1-V4	P3-75	70	24
P1-H6	P3-33	40	24	P1-V5	P3-73	71	24
P1-J1	SPL 6	24	24	P1-V6	P3-72	72	24
P1-J2	P3-48	25	24	P1-W1	P3-84	73	24
P1-J3	P3-50	26	24	P1-W2	P3-83	74	24
P1-J4	P3-56	27	24	P1-W3	P3-82	75	24
P1-J5	P3-57	28	24	P1-W4	P3-81	76	24
P1-J6	P3-74	29	24	P1-W5	P3-80	77	24
P1-K1	P3-38	30	24	P1-W6	P3-79	78	24
P1-K2	P3-39	31	24	P1-X1	P3-90	79	24
P1-K3	P3-40	32	24	P1-X2	P3-89	80	24
P1-K4	P3-42	33	24	P1-X3	P3-88	81	24
P1-K5	P3-43	34	24	P1-X4	P3-87	82	24
P1-K6	P3-45	35	24	P1-X5	P3-86	83	24
P1-L1	P2-J4	37	24	P1-X6	P3-85	84	24
P1-L1	P3-20	36	24	P1-Y1	P3-96	85	24
P1-L2	P2-J5	39	24	P1-Y2	P3-95	86	24
P1-L2	P3-21	38	24	P1-Y3	P3-94	87	24
P1-L6	P3-31	46	24	P1-Y4	P3-93	88	24
P1-M1	P3-76	47	24	P1-Y5	P3-92	89	24
P1-M2	P3-77	48	24	P1-Y6	P3-91	90	24
P1-M3	P3-78	49	24	P1-Z1	P3-102	91	24

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cent)

3-5

## CABLE ASSEMBLY W58 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P1-Z2	P3-101	92	24	P2-H4	P5-X	130	24
P1-Z3	P3-100	93	24	P2-H5	P2-c1	133	24
P1-Z4	P3-99	94	24	P2-H5	P5-H	132	24
P1-Z5	P3-98	95	24	P2-H6	P2-b1	135	24
P1-Z6	P3-97	96	24	P2-H6	P5-G	134	24
P1-a1	P3-108	97	24	P2-J1	P5-P	136	24
P1-a2	P3-107	98	24	P2-J2	P1-N6	60	24
P1-a3	P3-106	99	24	P2-J3	P1-N5	58	24
P1-a4	P3-105	100	24	P2-J4	P1-L1	37	24
P1-a5	P3-12	201	24	P2-J5	P1-L2	39	24
P1-a6	P3-103	102	24	P2-J6	P2-V6	137	24
P2-A2	P3-52	151	24	P2-K1	P3-46	138	24
P2-A4	P2-S6	192	24	P2-K2	P3-49	139	24
P2-A6	P3-1	105	24	P2-K3	P5-K	140	24
P2-B2	P3-53	150	24	P2-K4	P3-67	141	24
P2-B4	P2-T6	107	24	P2-K5	P3-68	142	24
P2-B6	P3-2	108	24	P2-K6	P3-69	143	24
P2-C2	P3-54	149	24	P2-L2	P3-30	144	24
P2-C4	P3-126	110	24	P2-L3	P3-28	145	24
P2-C5	P3-15	111	24	P2-L4	P3-37	146	24
P2-C6	P3-3	112	24	P2-L5	P3-41	147	24
P2-D1	P3-16	113	24	P2-L6	P3-44	148	24
P2-D2	P3-36	44	24	P2-M1	P3-22	195	24
P2-D3	P3-17	115	24	P2-M2	P2-M3	197	24
P2-D4	P3-127	116	24	P2-M2	P3-23	196	24
P2-D6	SPL9	118	24	P2-M3	P2-M2	197	24
P2-E2	P1-D4	187	24	P2-M4	P3-24	152	24
P2-E4	P3-128	121	24	P2-M6	P3-34	42	24
P2-E5	P4-1	205	24	P2-N1	SPL8	153	24
P2-E6	P2-P6	193	24	P2-N2	P3-61	154	24
P2-F1	P4-2	206	24	P2-N3	P3-60	155	24
P2-F4	P3-11	200	24	P2-N4	P3-59	156	24
P2-F6	P2-R6	125	24	P2-N5	P3-58	157	24
P2-G1	P3-29	202	24	P2-N6	P4-11	211	24
P2-G2	P2-V3	191	24	P2-P6	P2-E6	193	24
P2-G3	P4-3	207	24	P2-R6	P2-F6	125	24
P2-G4	P4-4	208	24	P2-S5	P3-13	159	24
P2-G5	P4-25	209	24	P2-S6	P2-A4	192	24
P2-G6	P4-27	210	24	P2-T1	P3-14	160	24
P2-H1	P2-V5	194	24	P2-T3	P3-111	161	24
P2-H1	SPL9	126	24	P2-T6	P2-B4	107	24
P2-H2	P2-V4	127	24	P2-U1	P3-113	162	24

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

## CABLE ASSEMBLY W58 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P2-U3	P3-114	163	24	P3-27	P1-V3	204	24
P2-V3	P2-G2	191	24	P3-28	P2-L3	145	24
P2-V4	P2-H2	127	24	P3-29	P2-G1	202	24
P2-V4	SPL5	104	24	P3-30	P2-L2	144	24
P2-V5	P2-H1	194	24	P3-31	P1-L6	46	24
P2-V6	P2-J6	137	24	P3-33	P1-H6	40	24
P2-V6	SPL4	123	24	P3-34	P2-M6	42	24
P2-Y2	P4-19	216	24	P3-36	P2-D2	44	24
P2-Y3	P4-20	217	24	P3-37	P2-L4	146	24
P2-Y4	P4-21	218	24	P3-38	P1-K1	30	24
P2-Y5	P4-23	219	24	P3-39	P1-K2	31	24
P2-Y6	P4-24	220	24	P3-40	P1-K3	32	24
P2-Z1	P4-10	221	24	P3-41	P2-L5	147	24
P2-a1	P5-g	222	24	P3-42	P1-K4	33	24
P2-a2	P5-h	223	24	P3-43	P1-K5	34	24
P2-b1	P2-H6	135	24	P3-44	P2-L6	148	24
P2-c1	P2-H5	133	24	P3-45	P1-K6	35	24
P3	P7STM	-	24	P3-46	P2-K1	138	24
P3	P8STM	-	24	P3-47	SPL6	235	24
P3	P9STM	-	24	P3-48	P1-J2	25	24
P3	P10STM	-	24	P3-49	P2-K2	139	24
P3	P11STM	-	24	P3-50	P1-J3	26	24
P3	P12STM	-	24	P3-52	P2-A2	151	24
P3	P17STM	-	24	P3-53	P2-B2	150	24
P3-1	P2-A6	105	24	P3-54	P2-C2	149	24
P3-2	P2-B6	108	24	P3-55	P1-H5	158	24
P3-3	P2-C6	112	24	P3-56	P1-J4	27	24
P3-4	SPL9	198	24	P3-57	P1-J5	28	24
P3-5	SPL4	119	24	P3-58	P2-N5	157	24
P3-7	SPL5	106	24	P3-59	P2-N4	156	24
P3-11	P2-F4	200	24	P3-60	P2-N3	155	24
P3-12	P1-a5	201	24	P3-61	P2-N2	154	24
P3-13	P2-S5	159	24	P3-62	SPL8	239	24
P3-14	P2-T1	160	24	P3-63	P1-U6	66	24
P3-15	P2-C5	111	24	P3-64	P1-U5	65	24
P3-16	P2-D1	113	24	P3-65	P1-U4	64	24
P3-17	P2-D3	115	24	P3-66	P1-U3	63	24
P3-18	P1-M5	51	24	P3-67	P2-K4	141	24
P3-19	SPL7	241	24	P3-68	P2-K5	142	2
P3-20	P1-L1	36	24	P3-69	P2-K6	143	24
P3-21	P1-L2	38	24	P3-70	P1-U2	62	24
P3-22	P2-M1	195	24	P3-71	P1-U1	61	24
P3-23	P2-M2	196	24	P3-72	P1-V6	72	24
P3-24	P2-M4	152	24	P3-73	P1-V5	71	24
P3-25	P1-V1	21	24	P3-74	P1-J6	29	24
P3-26	P1-V2	203	24				

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

## CABLE ASSEMBLY W58 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P3-75	P1-V4	70	24	P3-120	P10-1	169	COAX
P3-76	P1-M1	47	24	P3-121	P1-A3	2	24
P3-77	P1-M2	48	24	P3-122	P1-A5	3	24
P3-78	P1-M3	49	24	P3-123	P12-1	170	COAX
P3-79	P1-W6	78	24	P3-124	P1-B1	4	24
P3-80	P1-W5	77	24	P3-125	P1-B3	5	24
P3-81	P1-W4	76	24	P3-126	P2-C4	110	24
P3-82	P1-W3	75	24	P3-127	P2-D4	116	24
P3-83	P1-W2	74	24	P3-128	P2-E4	121	24
P3-84	P1-W1	73	24	P3STP	SPL1	242	24
P3-85	P1-X6	84	24	P3STP	SPL1	243	24
P3-86	P1-X5	83	24	P3STP	SPL1	244	24
P3-87	P1-X4	82	24	P3STP	SPL1	245	24
P3-88	P1-X3	81	24	P3STP	SPL1	246	24
P3-89	P1-X2	80	24	P3STP	SPL1	247	24
P3-90	P1-X1	79	24	P3STP	SPL1	248	24
P3-91	P1-Y6	90	24	P4	P20STM	-	24
P3-92	P1-Y5	89	24	P4	P21STM	-	24
P3-93	P1-Y4	88	24	P4	P22STM	-	24
P3-94	P1-Y3	87	24	P4-1	P2-E5	205	24
P3-95	P1-Y2	86	24	P4-2	P2-F1	206	24
P3-96	P1-Y1	85	24	P4-3	P2-G3	207	24
P3-97	P1-Z6	96	24	P4-4	P2-G4	208	24
P3-98	P1-Z5	95	24	P4-6	P4STP	252	24
P3-99	P1-Z4	94	24	P4-10	P2-Z1	221	24
P3-100	P1-Z3	93	24	P4-11	P2-N6	211	24
P3-101	P1-Z2	92	24	P4-12	P4STP	251	24
P3-102	P1-Z1	91	24	P4-16	P4STP	250	24
P3-103	P1-a6	102	24	P4-19	P2-Y2	216	24
P3-104	P1-M4	101	24	P4-20	P2-Y3	217	24
P3-105	P1-a4	100	24	P4-21	P2-Y4	218	24
P3-106	P1-a3	99	24	P4-23	P2-Y5	219	24
P3-107	P1-a2	98	24	P4-24	P2-Y6	220	24
P3-108	P1-a1	97	24	P4-25	P2-G5	209	24
P3-110	SPL1	176	24	P4-27	P2-G6	210	24
P3-111	P2-T3	161	24	P4-28	SPL4	120	24
P3-112	P7-1	165	COAX	P4-30	SPL5	109	24
P3-113	P2-U1	162	24	P4-31	P1-H4	22	24
P3-114	P2-U3	163	24	P4-32	P22-1	231	COAX
P3-115	P11-1	166	COAX	P4-34	P21-1	230	COAX
P3-116	P17-1	224	COAX	P4-36	P20-1	229	COAX
P3-117	P9-1	167	COAX	P4STP	P4-6	252	24
P3-118	P1-A1	1	24	P4STP	P4-12	251	24
P3-119	P8-1	168	COAX	P4STP	P4-16	250	24

3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

CABLE ASSEMBLY W58 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P5	P14STM	P5	24	P9-1	P3-117	167	COAX
P5	P15STM	-	24	P9STM	P3		24
P5	P16STM	-	24	P10-1	P3-120	169	COAX
P5	P18STM	-	24	P10STM	P3		24
P5-A	P1-B5	6	24	P11-1	P3-115	166	COAX
P5-B	P1-C1	7	24	P11STM	P3		24
P5-C	P1-C3	8	24	P12-1	P3-123	170	COAX
P5-D	P1-C5	9	24	P12STM	P3		24
P5-E	P1-D1	10	24	P13-1	SPL3	174	COAX
P5-F	P1-D3	11	24	P13STM	SPL3	199	24
P5-G	P2-H6	134	24	P14-1	P5-T	171	COAX
P5-H	P2-H5	132	24	P14STM	P5		24
P5-K	P2-K3	140	24	P15-1	P5-Z	172	COAX
P5-L	SPL3	188	24	P15STM	P5		24
P5-M	P1-H3	20	24	P16-1	P5-a	173	COAX
P5-P	P2-J1	136	24	P16STM	P5		24
P5-R	P1-E1	13	24	P17-1	P3-116	224	COAX
P5-S	P1-E3	14	24	P17STM	P3		24
P5-T	P14-1	171	24	P18-1	P5-d	227	COAX
P5-U	P1-E5	15	24	P18STM	P5		24
P5-V	P1-F1	16	24	P19-1	P5-m	228	COAX
P5-X	P2-H4	130	24	P20-1	P4-36	229	COAX
P5-Y	SPL2	175	24	P20STM	P4		24
P5-Z	P15-1	172	COAX	P21-1	P4-34	230	COAX
P5-a	P16-1	173	COAX	P21STM	P4		24
P5-d	P18-1	227	COAX	P22-1	P4-32	231	COAX
P5-g	P2-a1	222	24	P22STM	P4		24
P5-h	P2-a2	223	24	P23-1	SPL8	238	COAX
P5-k	P18STP	253	24	P23STM	SPL8		24
P5-m	P19-1	228	COAX	P24-1	SPL6	234	COAX
P5STP	P5-k	253	24	P24STM	SPL6		24
P5STP	SPL2	254	24	SPL1	P3-110	176	24
P5STP	SPL2	255	24	SPL1	P3STP	242	24
P5STP	SPL2	256	24	SPL1	P3STP	243	24
P6-A	P1-N1	53	24	SPL1	P3STP	244	24
P6-B	P1-N2	54	24	SPL1	P3STP	245	24
P6-C	P1-N3	55	24	SPL1	P3STP	246	24
P6-D	P1-N4	56	24	SPL1	P3STP	247	24
P6-E	P1-N5	57	24	SPL1	P3STP	248	24
P6-F	P1-N6	59	24	SPL2	P1-D5	12	24
P7-1	P3-112	165	COAX	SPL2	P5-Y	175	24
P7STM	P3		24	SPL2	P5STP	254	24
P8-1	P3-119	168	COAX	SPL2	P5STP	255	24
P8STM	P3		24	SPL2	P5STP	256	24



## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

## CABLE ASSEMBLY W58 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
SPL2	SPL3	199	24				
SPL3	P1-H2	17	24				
SPL3	P5-L	188	24				
SPL3	P13-1	174	COAX				
SPL3	P13STM	-	24				
SPL3	SPL2	199	24				
SPL4	P2-V6	123	24				
SPL4	P3-5	119	24				
SPL4	P4-28	120	24				
SPL5	P2-V4	104	24				
SPL5	P3-7	106	24				
SPL5	P4-30	109	24				
SPL6	P1-J1	24	24				
SPL6	P3-47	235	24				
SPL6	P24-1	234	COAX				
SPL6	P24STM		24				
SPL6	SPL7	257	24				
SPL7	P1-M6	52	24				
SPL7	P3-19	241	24				
SPL7	SPL6	257	24				
SPL7	SPL8	249	24				
SPL8	P2-N1	153	24				
SPL8	P3-62	239	24				
SPL8	P23-1	238	COAX				
SPL8	P23STM	-	24				
SPL8	SPL7	249	24				
SPL9	P2-D6	118	24				
SPL9	P2-H1	126	24				
SPL9	P3-4	198	24				

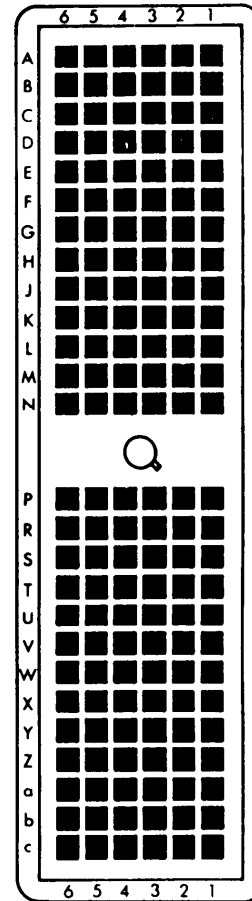


3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

CABLE ASSEMBLY W61 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE
P1-D3	P1-D5		24
P1-D5	P1-D3		24
P1-U2	P1-V2		24
P1-V2	P1-U2		24
P1-V2	SPL		24
P1-a1	P2		COAX
P1-a2	P3		COAX
P2	P1-a1		COAX
P3	P1-a2		COAX
SPL	P1-V2		24

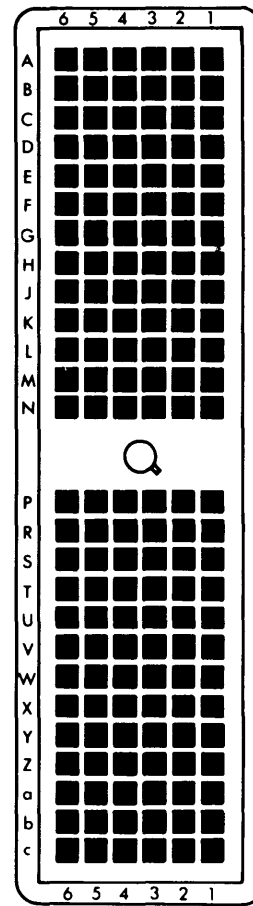


EL9LQ-1000-82A

P1 - DL1-156P

CABLE ASSEMBLY W62 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE
P1-A4	P2		COAX
P1-B4	P3		COAX
P1-C4	P4		COAX
P1-D4	P5		COAX
P1-E4	P6		COAX
P1-S5	P1-T1		24
P1-T1	P1-S5		24
P1-U2	P1-V2		24
P1-V2	P1-U2		24
P1-V2	SPL		24
P2	P1-A4		COAX
P3	P1-B4		COAX
P4	P1-C4		COAX
P5	P1-D4		COAX
P6	P1-E4		COAX
SPL	P1-V2		24



EL9LQ-1000-82A

P1 - DL1-156P

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

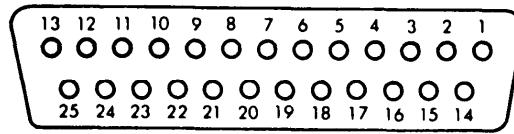
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## CABLE ASSEMBLY W64 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
CTP1	P1-j	19	22	CTP15	P1-R	5	22
CTP1	P2-PP	40	22	CTP15	P2-w	50	22
CTP1	J1-1	21	22	CTP15	J1-19	31	22
CTP2	P1-h	19	22	CTP16	P1-P	6	22
CTP2	P2-NN	40	22	CTP16	P2-v	51	22
CTP2	J1-2	21	22	CTP16	J1-20	32	22
CTP3	P1-f	18	22	CTP17	P1-N	7	22
CTP3	P2-LL	41	22	CTP17	P2-u	52	22
CTP3	J1-4	22	22	CTP17	J1-21	33	22
CTP4	P1-e	18	22	CTP18	P1-M	7	22
CTP4	P2-KK	41	22	CTP18	P2-t	52	22
CTP4	J1-5	22	22	CTP18	J1-22	33	22
CTP5	P1-U	16	22	CTP19	P1-K	8	22
CTP5	P2-HH	42	22	CTP19	P2-r	53	22
CTP5	J1-7	23	22	CTP19	J1-24	34	22
CTP6	P1-a	14	22	CTP20	P1-J	9	22
CTP6	P2-GG	43	22	CTP20	P2-q	54	22
CTP6	J1-8	24	22	CTP20	J1-25	35	22
CTP7	P1-c	14	22	DS1-1	P2-j	57	22
CTP7	P2-FF	43	22	DS1-1	P2-i	58	22
CTP7	J1-10	24	22	DS1-2	P2-h	59	22
CTP8	P1-z	13	22	DS1-2	P2-g	60	22
CTP8	P2-DD	44	22	J1-1	CTP1	21	22
CTP8	J1-11	25	22	J1-2	CTP2	21	22
CTP9	P1-Y	12	22	J1-4	CTP3	22	22
CTP9	P2-CC	45	22	J1-5	CTP4	22	22
CTP9	J1-12	26	22	J1-7	CTP5	23	22
CTP10	P1-X	11	22	J1-8	CTP6	24	22
CTP10	P2-BB	46	22	J1-10	CTP7	24	22
CTP10	J1-13	27	22	J1-11	CTP8	25	22
CTP11	P1-W	1	22	J1-12	CTP9	26	22
CTP11	P2-AA	47	22	J1-13	CTP10	27	22
CTP11	J1-14	28	22	J1-14	CTP11	28	22
CTP12	P1-V	2	22	J1-15	CTP12	29	22
CTP12	P2-z	48	22	J1-16	STM1	36	22
CTP12	J1-15	29	22	J1-17	CTP13	30	22
CTP13	P1-T	3	22	J1-18	CTP14	31	22
CTP13	P2-y	49	22	J1-19	CTP15	31	22
CTP13	J1-17	30	22	J1-20	CTP16	32	22
CTP14	P1-S	5	22	J1-21	CTP17	33	22
CTP14	P2-x	50	22	J1-22	CTP18	33	22
CTP14	J1-18	31	22	J1-24	CTP19	34	22

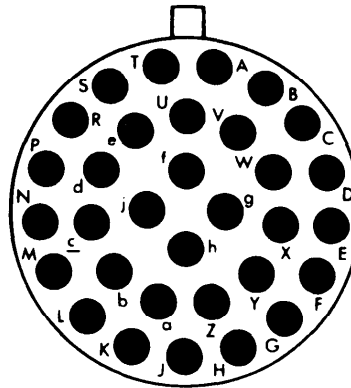
CABLE ASSEMBLY W64 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE
J1-25	CTP20	35	22
P1-A	STP35	10	22
P1-J	CTP20	9	22
P1-K	CTP19	8	22
P1-L	STM4	4	22
P1-M	CTP18	7	22
P1-N	CTP17	7	22
P1-P	CTP16	6	22
P1-R	CTP15	5	22
P1-S	CTP14	5	22
P1-T	CTP13	3	22
P1-U	CTP5	16	22
P1-V	CTP12	2	22
P1-W	CTP11	1	22
P1-X	CTP10	11	22
P1-Y	CTP9	12	22
P1-Z	CTP8	13	22
P1-a	CTP6	14	22
P1-b	STP28	15	22
P1-c	CTP7	14	22
P1-d	STP29	17	22
P1-e	CTP4	18	22
P1-f	CTP3	18	22
P1-g	STP30	20	22
P1-h	CTP2	19	22
P1-j	CTP1	19	22
P2-g	DS1-2	60	22
P2-h	DS1-2	59	22
P2-i	DS1-1	58	22
P2-j	DS1-1	57	22
P2-p	STP36	56	22
P2-q	CTP20	54	22
P2-r	CTP19	53	22
P2-s	STM5	55	22
P2-t	CTP18	52	22
P2-u	CTP17	52	22
P2-v	CTP16	51	22
P2-w	CTP15	50	22
P2-x	CTP14	50	22
P2-y	CTP13	49	22
P2-z	CTP12	48	22
P2-AA	CTP11	47	22



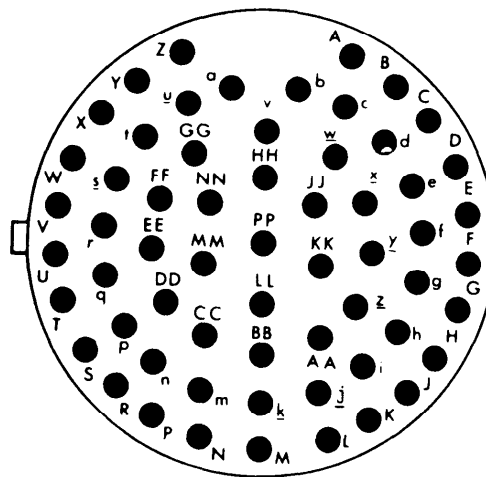
EL9LQ-1000-11

J1 - M24308/2-3



EL9LQ-1000-46

P1 - MS3126F18-32P



EL9LQ-1000-658

P2 - MS3126F24-61PW

## 3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

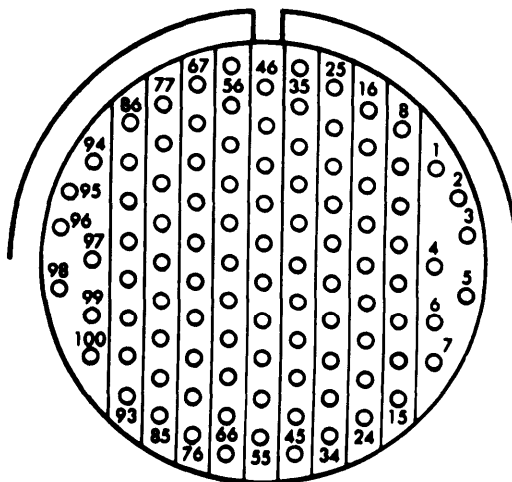
3-5

## CABLE ASSEMBLY W64 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P2-BB	CTP10	46	22	STM7	STM16	86	22
P2-CC	CTP9	45	22	STM7	STP17	87	22
P2-DD	CTP8	44	22	STM7	STP18	88	22
P2-EE	STP23	37	22	STM7	STP19	89	22
P2-FF	CTP7	43	22	STM7	STP20	90	22
P2-GG	CTP6	43	22	STP1	STM1	61	22
P2-HH	CTP5	42	22	STP2	STM1	62	22
P2-JJ	STP22	38	22	STP3	STM1	63	22
P2-KK	CTP4	41	22	STP4	STM1	64	22
P2-LL	CTP3	41	22	STP5	STM1	65	22
P2-MM	STP21	39	22	STP6	STM2	67	22
P2-NN	CTP2	40	22	STP7	STM2	68	22
P2-PP	CTP1	40	22	STP8	STM2	69	22
STM1	STP1	61	22	STP9	STM2	70	22
STM1	STP2	62	22	STP10	STM2	71	22
STM1	STP3	63	22	STP11	STM6	80	22
STM1	STP4	64	22	STP12	STM6	81	22
STM1	STP5	65	22	STP13	STM6	82	22
STM1	STP31	66	22	STP14	STM6	83	22
STM1	J1-16	36	22	STP15	STM6	84	22
STM2	STP6	67	22	STP16	STM7	86	22
STM2	STP7	68	22	STP17	STM7	87	22
STM2	STP8	69	22	STP18	STM7	88	22
STM2	STP9	70	22	STP19	STM7	89	22
STM2	STP10	71	22	STP20	STM7	90	22
STM2	STM6	72	22	STP21	P2-MM	39	22
STM3	STP32	73	22	STP22	P2-JJ	38	22
STM3	STP33	74	22	STP23	P2-EE	37	22
STM3	STP34	75	22	STP24	STM5	78	22
STM4	P1-L	4	22	STP25	STM5	79	22
STM4	STP26	76	22	STP26	STM4	76	22
STM4	STP27	77	22	STP27	STM4	77	22
STM5	P2-s	55	22	STP28	P1-b	15	22
STM5	STP24	78	22	STP29	P1-d	17	22
STM5	STP25	79	22	STP30	P1-g	20	22
STM6	STM2	72	22	STP31	STM1	66	22
STM6	STP11	80	22	STP32	STM3	73	22
STM6	STP12	81	22	STP33	STM3	74	22
STM6	STP13	82	22	STP34	STM3	75	22
STM6	STP14	83	22	STP35	P1-A	10	22
STM6	STP15	84	22	STP36	P2-p	56	22
STM6	STM7	85	22				
STM7	STM6	85	22				

CABLE ASSEMBLY W65 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P1-1	P2-A1	1	22	P1-92	P2-N6	41	22
P1-2	P2-A3	2	22	P1-93	P2-M2	42	22
P1-3	P2-A5	3	22	P1-94	P2-M4	43	22
P1-4	P2-B1	4	22	P1-95	P3-E1	60	22
P1-5	P2-B3	5	22	P1-96	P3-E3	61	22
P1-6	P2-B5	6	22	P1-97	P3-E5	62	22
P1-7	P2-H5	7	22	P1-98	P2-F1	44	22
P1-8	P2-H6	8	22	P1-99	STM1	45	22
P1-9	P2-a4	9	22	P2-A1	P1-1	1	22
P1-10	STM1	10	22	P2-A2	P1-30	29	22
P1-11	P2-a5	11	22	P2-A3	P1-2	2	22
P1-12	P2-E5	12	22	P2-A4	P1-29	28	22
P1-13	STM1	13	22	P2-A5	P1-3	3	22
P1-14	P2-C3	14	22	P2-B1	P1-4	4	22
P1-15	P2-N4	15	22	P2-B3	P1-5	5	22
P1-16	P2-N3	16	22	P2-B5	P1-6	6	22
P1-17	P2-a6	17	22	P2-C3	P1-14	14	22
P1-18	P2-N5	18	22	P2-C5	P1-21	20	22
P1-19	P2-M1	19	22	P2-D1	P1-22	21	22
P1-21	P2-C5	20	22	P2-D3	P1-70	39	22
P1-22	P2-D1	21	22	P2-D5	P1-71	40	22
P1-23	P2-Z1	22	22	P2-E1	P2-E3	87	22
P1-24	P2-Z2	23	22	P2-E3	P2-E1	87	22
P1-25	P2-J5	24	22	P2-E5	P1-12	12	22
P1-26	P2-N1	25	22	P2-F1	P1-98	44	22
P1-27	P2-J6	26	22	P2-F2	STM4	66	22
P1-28	P2-H2	27	22	P2-H2	P1-28	27	22
P1-29	P2-A4	28	22	P2-H3	P1-49	30	22
P1-30	P2-A2	29	22	P2-H4	P1-50	31	22
P1-49	P2-H3	30	22	P2-H5	P1-7	7	22
P1-50	P2-H4	31	22	P2-H6	P1-8	8	22
P1-51	P2-J4	32	22	P2-J4	P1-51	32	22
P1-62	P2-M3	33	22	P2-J5	P1-25	24	22
P1-63	P2-M5	34	22	P2-J6	P1-27	26	22
P1-64	P2-L1	35	22	P2-K1	P1-67	38	22
P1-65	P2-L3	36	22	P2-L1	P1-64	35	22
P1-66	P2-L5	37	22	P2-L3	P1-65	36	22
P1-67	P2-K1	38	22	P2-L5	P1-66	37	22
P1-70	P2-D3	39	22	P2-M1	P1-19	19	22
P1-71	P2-D5	40	22	P2-M2	P1-93	42	22
				P2-M3	P1-62	33	22



EL9LQ-1000-51

P1 - MS27467T13B35S

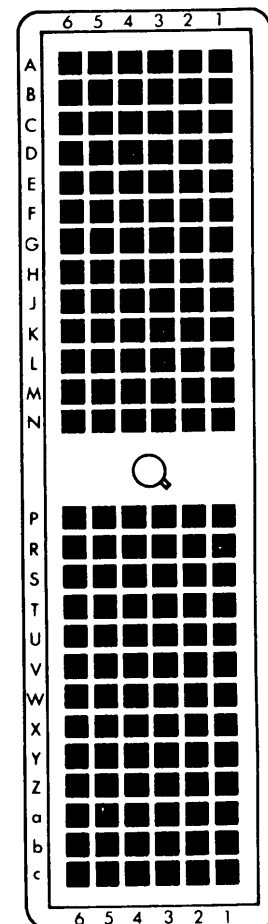


3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

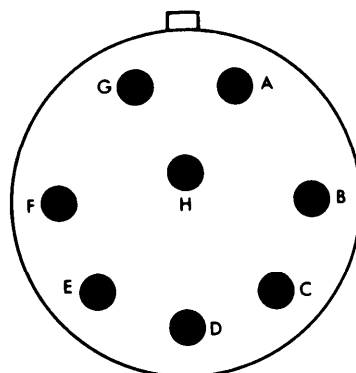
CABLE ASSEMBLY W65 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	FROM	TO	WIRE ID	WIRE SIZE
P2-M4	P2-94	43	22	STP1	STM4	88	22
P2-M5	P2-63	34	22	STP2	STM2	79	22
P2-N1	P2-26	25	22	STP2	STP3	80	22
P2-N3	P2-16	16	22	STP3	STP2	80	22
P2-N4	P2-15	15	22	STP3	STP4	81	22
P2-N5	P2-18	18	22	STP4	STP3	81	22
P2-N6	P2-92	41	22	STP5	STM3	83	22
P2-Z1	P2-23	22	22	STP5	STP6	84	22
P2-Z2	P2-24	23	22	STP6	STP5	84	22
P2-Z3	P8	65	COAX	STP6	STP7	85	22
P2-a4	P2-9	9	22	STP7	STP6	85	22
P2-a5	P2-11	11	22	STM1	P1-10	10	22
P2-a6	P2-17	17	22	STM1	P1-13	13	22
P3-A4	P7	74	COAX	STM1	P1-99	45	22
P3-B4	P9	75	COAX	STM1	STM4	86	22
P3-C4	P10	76	COAX	STM2	P3-V2	78	22
P3-C5	P4-A	67	22	STM2	STP2	79	22
P3-D1	P4-B	68	22	STM3	P3-U2	82	22
P3-D3	P4-C	69	22	STM3	STP5	83	22
P3-D4	P11	77	COAX	STM4	P2-F2	66	22
P3-D5	P4-D	70	22	STM4	STP1	88	22
P3-E1	P1-95	60	22	STM4	STM1	86	22
P3-E3	P1-96	61	22				
P3-E4	P5	72	COAX				
P3-E5	P1-97	62	22				
P3-F4	P6	73	COAX				
P3-S5	P3-T1	71	22				
P3-T1	P3-55	71	22				
P3-U2	STM3	82	22				
P3-V2	STM2	78	22				
P4-A	P3-5	67	22				
P4-B	P3-D1	68	22				
P4-C	P3-D3	69	22				
P4-D	P3-D5	70	22				
P5	P3-E4	72	COAX				
P6	P3-F4	73	COAX				
P7	P3-A4	74	COAX				
P8	P2-Z3	65	COAX				
P9	P3-B4	75	COAX				
P10	P3-C4	76	COAX				
P11	P3-D4	77	COAX				



EL9LQ-1000-82A

P2 and P3 - DL1-156P

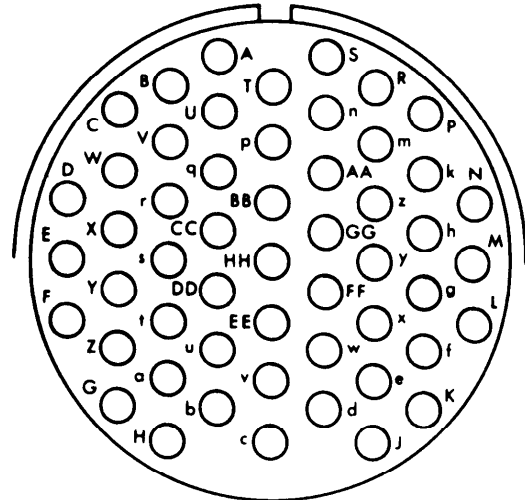


EL9LQ-1000-76

P4 - MS27467T13F8P

CABLE ASSEMBLY W66 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL / FUNCTION
P1-J	P3-20	10	20	HV INTLK
P1-K	P3-23	12	20	ARM LT RTN #2
P1-M	P3-22	11	20	ARM LT RTN #1
P1-N	P2-N4	6	20	FIRE SW
P1-P	P2-A3	5	20	TP KEY
P1-R	P2-A5	4	20	TP COVER 2
P1-S	P2-B1	3	20	TP COVER 1
P1-T	P2-B3	2	20	TP SHUTTER
P1-U	P2-L5	1	20	+28V
P1-V	P2-C1	9	20	-15V INTLK
P1-X	P2-C3	8	20	+28V SW INTLK
P1-a	P3-17	15	20	-15V INTLK
P1-b	P3-19	16	20	+28V SW INTLK
P1-c	P3-18	14	20	+28V INTLK
P1-d	P3-10	13	20	INTLK OUT
P1-z	P2-A1	7	20	+28V SW INTLKED
P2-A1	P1-z	7	20	+28V SW INTLKED
P2-A3	P1-P	5	20	TP KEY
P2-A5	P1-R	4	20	TP COVER 2
P2-B1	P1-S	3	20	TP COVER 1
P2-B3	P1-T	2	20	TP SHUTTER
P2-B5	P3-9	27	COAX	HV SAMPLE TEST
P2-C1	P1-V	9	20	-15V INTLK
P2-C3	P1-X	8	20	+28V SW INTLK
P2-C5	P3-27	42	20	1000V SENSE
P2-D1	P3-28	43	20	600V SENSE
P2-D3	P3-29	44	20	600V PRESENT
P2-D5	P3-30	45	20	1000V PRESENT
P2-E1	P2-E3	36	20	GND
P2-E3	P2-E1	36	20	GND
P2-E5	P3-16	34	COAX	115 VAC 400HZ Ø1 INTLK
P2-F2	STP2	37	20	SHIELD
P2-G1	STM1	28	20	CHASSIS GND
P2-J1	P3-4	22	20	OPERATE SIGNAL NAC +28 VDC
P2-J2	P3-1	19	20	SYNC/2
P2-J3	P3-2	20	20	SYNC/2
P2-K1	P3-21	35	20	INTLK +28V RTN
P2-K2	P3-14	32	20	-15V
P2-K3	P3-8	26	20	+28 VDC RELAY RTN
P2-K4	P3-7	25	20	RTN
P2-K5	P3-6	24	20	QUENCH (LOGIC)
P2-K6	P3-5	23	20	HV ENABLE (LOGIC)
P2-L1	P3-13	31	20	115 VAC 400HZ Ø3
P2-L3	P3-3	21	20	115 VAC 400HZ COM



EL9LQ-1000-75

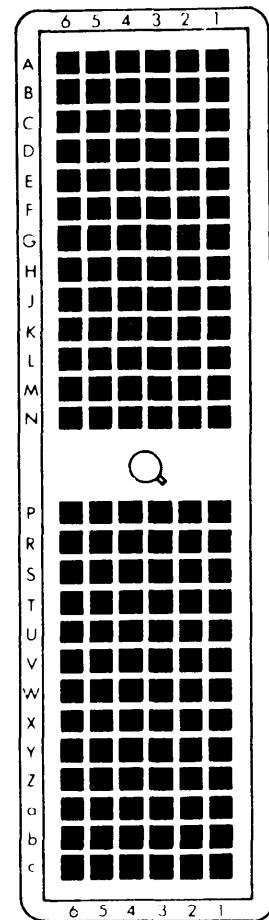
**P1 - MS27467T23B53S**

3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

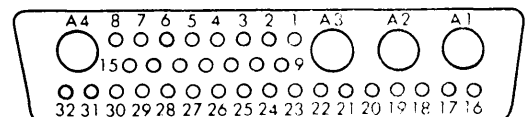
CABLE ASSEMBLY W66 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P2-L4	P3-24	17	20	HV CONTROL
P2-L5	P1-U	1	20	+28V
P2-L6	P3-25	18	20	HV CONTROL RTN
P2-M3	P3-11	29	20	115 VAC 400HZ Ø1
P2-M5	P3-12	30	20	115 VAC 400HZ Ø2
P2-N2	P3-15	33	20	SPARE
P2-N4	P1-N	6	20	FIRE SW
P3-1	P2-J2	19	20	SYNC/2
P3-2	P2-J3	20	20	SYNC/2
P3-3	P2-L3	21	20	115 VAC 400HZ COM
P3-4	P2-J1	22	20	OPERATE SIGNAL NAC +28 VDC
P3-5	P2-K6	23	20	HV ENABLE (LOGIC)
P3-6	P2-K5	24	20	QUENCH (LOGIC)
P3-7	P2-K4	25	20	RTN
P3-8	P2-K3	26	20	+28 VDC RELAY RTN
P3-9	P2-B5	27	COAX	HV SAMPLE TEST
P3-10	P1-d	13	20	INTLTK OUT
P3-11	P2-M3	29	20	115 VAC 400HZ Ø1
P3-12	P2-M5	30	20	115 VAC 400HZ Ø2
P3-13	P1-L1	31	20	115 VAC 400HZ Ø3
P3-14	P2-K2	32	20	-15V
P3-15	P2-N2	33	20	SPARE
P3-16	P2-E5	34	COAX	115 VAC 400HZ Ø1 INTLTK
P3-17	P1-a	15	20	-15V INTLTK
P3-18	P1-c	14	20	+28V INTLTK
P3-19	P1-b	16	20	+28V SW INTLTK
P3-20	P1-J	10	20	HV INTLTK
P3-21	P2-K1	35	20	INTLTK +28V RTN
P3-22	P1-M	11	20	ARM LT RTN #1
P3-23	P1-K	12	20	ARM LT RTN #2
P3-24	P2-L4	17	20	HV CONTROL
P3-25	P2-L6	18	20	HV CONTROL RTN
P3-26	STM2	38	20	CHASSIS GND
P3-27	P2-C5	42	20	1000V SENSE
P3-28	P2-D1	43	20	600V SENSE
P3-29	P2-D3	44	20	600V PRESENT
P3-30	P2-D5	45	20	1000V PRESENT
STM1	STP1	39	20	CHASSIS GND
STM1	P2-G1	28	20	CHASSIS GND
STM1	STM2	40	20	CHASSIS GND
STM2	STP3	41	20	CHASSIS GND
STM2	P3-26	38	20	CHASSIS GND
STM2	STM1	40	20	CHASSIS GND
STP1	STM1	39	20	CHASSIS GND
STP2	P2-F2	37	20	SHIELD
STP3	STM2	41	20	CHASSIS GND



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P2 - DL1-156P

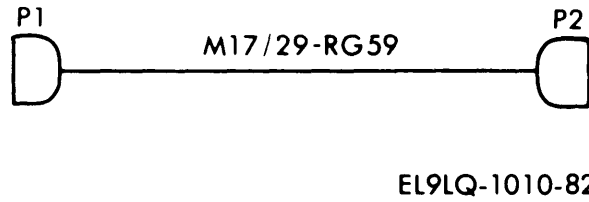


EL9LQ-1000-52

P3 - DDM36W4S

CABLE ASSEMBLY W78 and W81 WIRE DIAGRAM

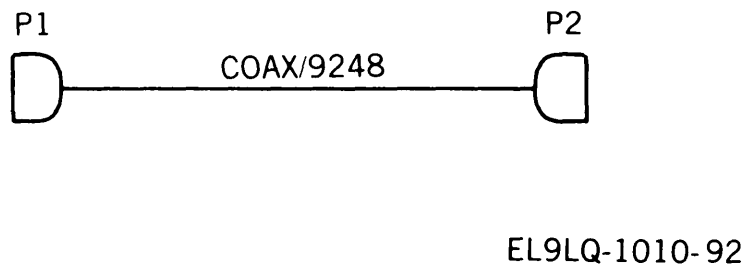
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CABLE ASSEMBLY W94 WIRE DIAGRAM

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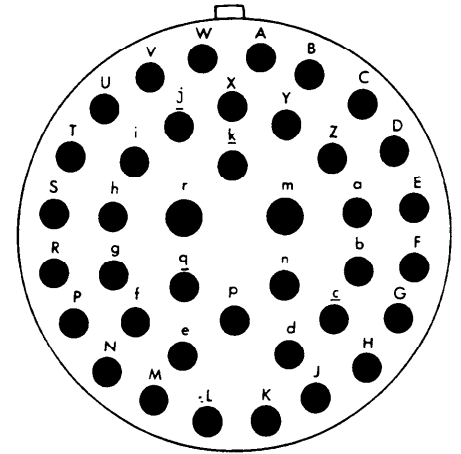
3-5. ELECTRONIC STATION/ELECTRO-OPTICAL TEST BENCH SET (cont)

3-5

CABLE ASSEMBLY W106 WIRE LIST

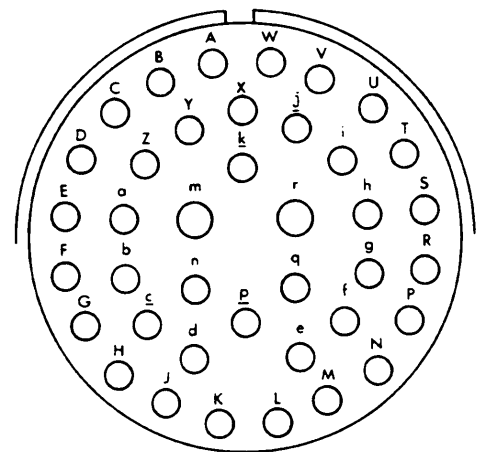
FROM	TO	WIRE ID	WIRE SIZE
P1-A	P2-A		
P1-B	P2-B		
P1-C	P2-C		
P1-D	P2-D		
P1-E	P2-E		
P1-F	P2-F		
P1-G	P2-G		
P1-H	P2-H		
P1-J	P2-J		
P1-K	P2-K		
P1-L	P2-L		
P1-M	P2-M		
P1-N	P2-N		
P1-P	P2-P		
P1-R	P2-R		
P1-S	P2-S		
P1-T	P2-T		
P1-U	P2-U		
P1-V	P2-V		
P1-W	P2-W		
P1-X	SHIELD		
P1-Y	P2-Y		
P1-Z	P2-Z		
P1-a	P2-a		
P1-b	P2-b		
P1-c	P2-c		
P1-d	P2-d		
P1-e	P2-e		
P1-g	P2-g		
P1-h	P2-h		
P1-m	P2-m		
P2-A	P1-A		
P2-B	P1-B		
P2-C	P1-C		
P2-D	P1-D		
P2-E	P1-E		
P2-F	P1-F		
P2-G	P1-G		
P2-H	P1-H		
P2-J	P1-J		
P2-K	P1-K		
P2-L	P1-L		

FROM	TO	WIRE ID	WIRE SIZE
P2-M	P1-M		
P2-N	P1-N		
P2-P	P1-P		
P2-R	P1-R		
P2-S	P1-S		
P2-T	P1-T		
P2-U	P1-U		
P2-V	P1-V		
P2-W	P1-W		
P2-X	SHIELD		
P2-Y	P1-Y		
P2-Z	P1-Z		
P2-a	P1-a		
P2-b	P1-b		
P2-c	P1-c		
P2-d	P1-d		
P2-e	P1-e		
P2-g	P1-g		
P2-h	P1-h		
P2-m	P1-m		
SHIELD	P1-X		
SHIELD	P2-X		



EL9LQ-1000-42A

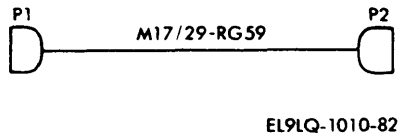
P1 - LJ06RT - 21 - 39P



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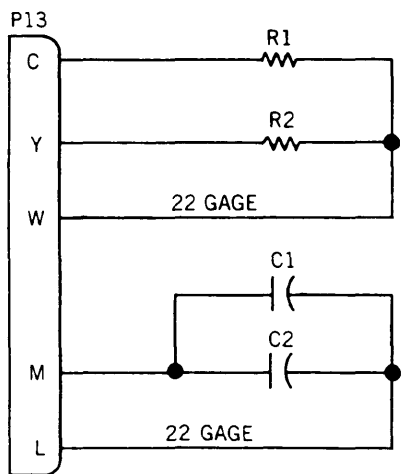
P2 - MS27467T21F39S

CABLE ASSEMBLY W107 WIRE DIAGRAM

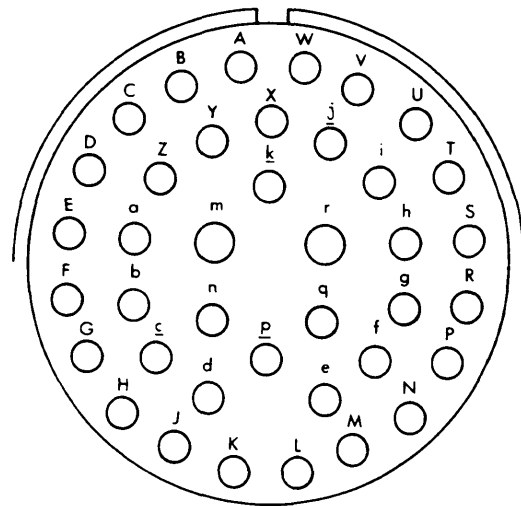


3-5.1 SELF-TEST CONNECTORS

SELF-TEST CONNECTOR 13081832 WIRE LIST



EL9LQ-1010-4



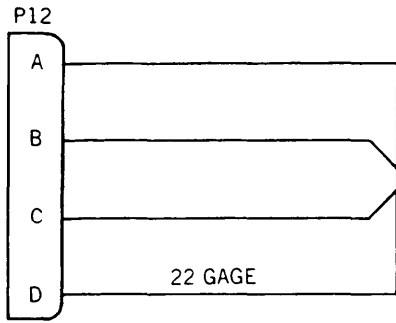
EL9LQ-1000-42A

**P13 - MS27468P21F39P**

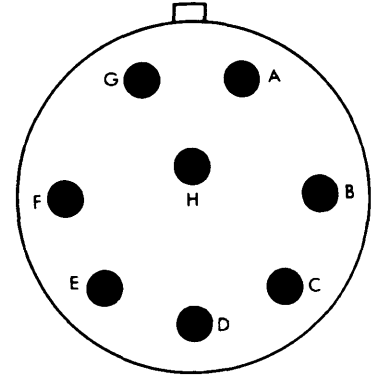
3-5.1 SELF-TEST CONNECTORS (cont)

3-5. 1

SELF-TEST CONNECTOR 13081832-19 WIRE DIAGRAM



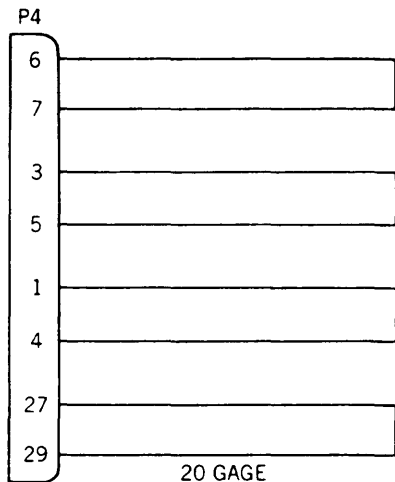
EL9LQ-1010-3



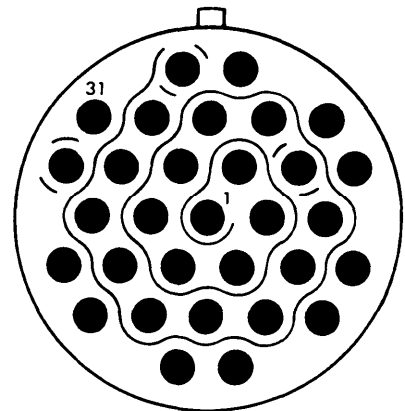
EL9LQ-1000-76

**P12 - MS27468P13F8P**

SELF-TEST CONNECTOR 13081833 WIRE DIAGRAM



EL9LQ-1010-5



EL9LQ-1000-77A

**P4 - M83723/81H1831N**

Section III. ELECTRONIC STATION WIRING DATA

Subject	Part No.	Para	Page
General . . . . .		3-6	3-6.1
Electronic Station Interconnection Diagram . . . . .		3-7	3-6.1
Cable Assembly 13231560 Wire Diagram . . . . .	13231560-19	3-7	3-6.1
Cable Assembly 1W2 Wire Diagram . . . . .	13083433	3-7	3-7
Cable Assembly 1W2 Wire List . . . . .	13083433	3-7	3-9
Cable Assembly 1W3 Wire List . . . . .	13083438-19	3-7	3-13
Cable Assembly 1W4 Wire List . . . . .	13083434-9	3-7	3-14
Cable Assembly 1W5 Wire List . . . . .	13083436	3-7	3-16
Cable Assembly 1W6 Wire List . . . . .	13083437	3-7	3-17
Cable Assembly 1W7 Wire List . . . . .	13083439-19	3-7	3-19
Cable Assembly 1W8 Wire List . . . . .	13083712	3-7	3-25
Cable Assembly 1W9 Wire List . . . . .	13083539-19	3-7	3-26
Cable Assembly 1W13 Wire Diagram . . . . .	13083721	3-7	3-28
Cable Assembly 1W15 Wire List . . . . .	13083434-19	3-7	3-29
Cable Assembly 1W16 Wire List . . . . .	13083434-29	3-7	3-30
Cable Assembly 1W17 and 1W104 Wire List . . . . .	13083435-29	3-7	3-31
Cable Assembly 1W18 Wire List . . . . .	13083058-59	3-7	3-31
Cable Assembly 1W19 Wire List . . . . .	13083058-49	3-7	3-32
Cable Assembly 1W23 and 1W24 Wire Diagram . . . . .	13082754	3-7	3-32
	13082754-19	3-7	3-32
Cable Assembly 1W25 Wire Diagram . . . . .	13083721-19	3-7	3-32
Cable Assembly 1W26, 1W27, and 1W28 Wire Diagram . . . . .	13081895	3-7	3-33
	13081895-19	3-7	3-33
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Cable Assembly 1W31 Wire List . . . . .	13083447-29	3-7	3-33
Cable Assembly 1HP10833B and 1HP10833C Wire Diagram . . . . .		3-7	3-34
Cable Assembly 1A3W31, 1A3W32, 1A3W33, and 1A3W34 Wire Diagram . . . . .	13081477-89	3-7	3-34
	13081477-99	3-7	3-34
	13081477-109	3-7	3-34
	13081477-119	3-7	3-34
Cable Assembly 1A5W30 Wire Diagram . . . . .	13081477-79	3-7	3-34
Cable Assembly HP12009-60002 . . . . .	HP12009-60002	3-7	3-34.1



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**3-6. GENERAL**

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3-6

a. This section provides wiring and interconnection data for cable assemblies that connect within the electronic station.

b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.

c. The information is presented in cable reference designator sequence. This section contains an interconnection diagram followed by cable wire list data for all cables as listed above. Simple cables are shown by diagram.

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**3-7. ELECTRONIC STATION**

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3-7

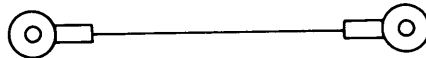
**INTERCONNECTION DIAGRAM**

For the electronic station interconnection diagram, refer to F0-36.

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**CABLE ASSEMBLY 13231560 WIRE DIAGRAM**

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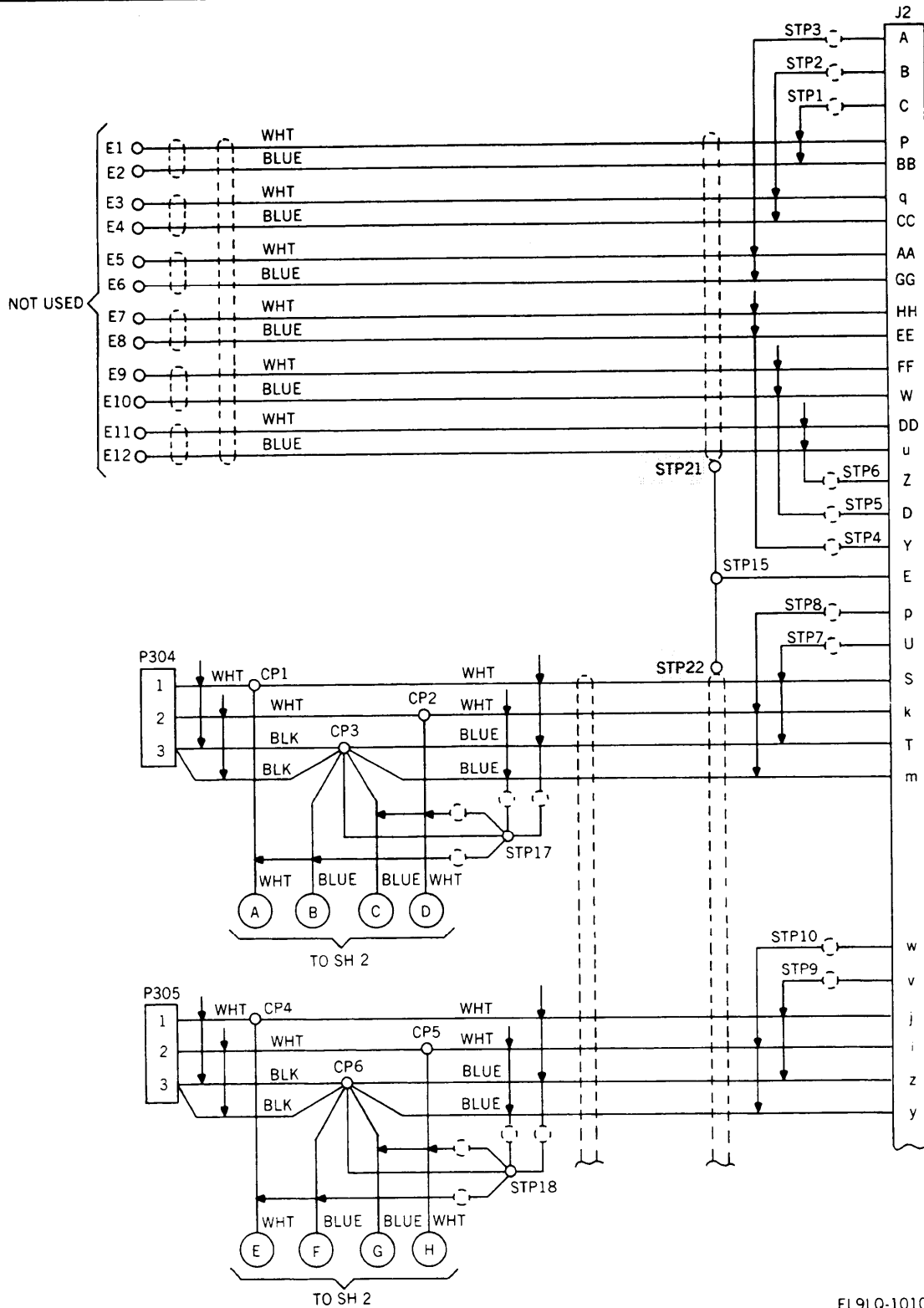
EL9LQ-1010-93



3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W2 WIRE DIAGRAM

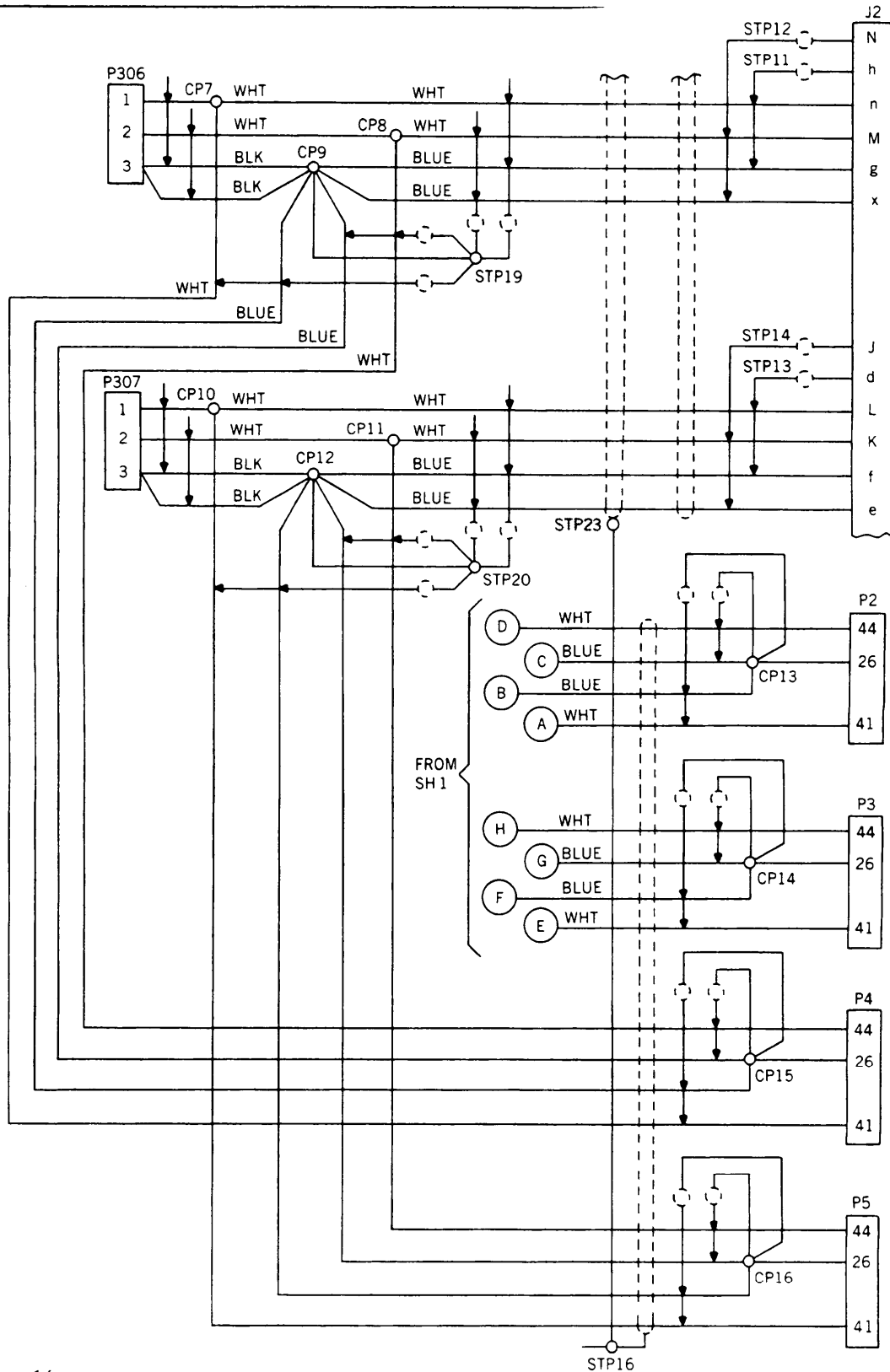


EL9LQ-1010-10C

Change16

3-7

CABLE ASSEMBLY 1W2 WIRE DIAGRAM (cont)



## 3-7. ELECTRONIC STATION (cont)

3-7

## CABLE ASSEMBLY 1W2 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
CP1	J2-S	7	22	PP/S #1 PROG V
CP1	P2-41	18	22	PP/S #1 PROG V
CP1	P304-1	28	22	PP/S #1 PROG V
CP2	J2-k	8	22	PP/S #1 PROG I
CP2	P2-44	17	22	PP/S #1 PROG I
CP2	P304-2	29	22	PP/S #1 PROG I
CP3	J2-T	7	22	PP/S #1 COM
CP3	J2-m	8	22	PP/S #1 COM
CP3	P304-3	28	22	PP/S #1 COM
CP3	CP13	18	22	PP/S #1 COM
CP3	STP17	36	22	PP/S #1 COM
CP4	J2-j	9	22	PP/S #2 PROG V
CP4	P3-41	18	22	PP/S #2 PROG V
CP4	P305-1	30	22	PP/S #2 PROG V
CP5	J2-i	10	22	PP/S #2 PROG I
CP5	P3-44	19	22	PP/S #2 PROG I
CP5	P305-2	31	22	PP/S #2 PROG I
CP6	J2-z	9	22	PP/S #2 COM
CP6	J2-y	10	22	PP/S #2 COM
CP6	CP14	18	22	PP/S #2 COM
CP6	P305-3	30	22	PP/S #2 COM
CP6	STP18	37	22	PP/S #2 COM
CP7	J2-n	11	22	PP/S #3 PROG V
CP7	P4-41	20	22	PP/S #3 PROG V
CP7	P306-1	32	22	PP/S #3 PROG V
CP8	J2-M	12	22	PP/S #3 PROG I
CP8	P4-44	21	22	PP/S #3 PROG I
CP8	P306-2	33	22	PP/S #3 PROG I
CP9	J2-g	11	22	PP/S #3 COM
CP9	J2-x	12	22	PP/S #3 COM
CP9	CP15	20	22	PP/S #3 COM
CP9	STP19	38	22	PP/S #3 COM
CP9	P306-3	32	22	PP/S #3 COM
CP10	J2-L	13	22	PP/S #4 PROG V
CP10	P5-41	22	22	PP/S #4 PROG V
CP10	P307-1	34	22	PP/S #4 PROG V
CP11	J2-K	14	22	PP/S #4 PROG I
CP11	P5-44	23	22	PP/S #4 PROG I
CP11	P307-2	35	22	PP/S #4 PROG I

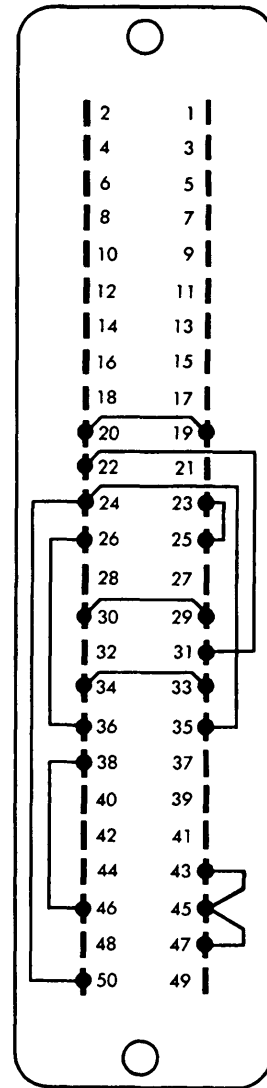


3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W2 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J2-E	STP15	15	22	GND
J2-J	STP14	14	22	PP/S #3 COM
J2-K	CP11	14	22	PP/S #4 PROG I
J2-L	CP10	13	22	PP/S #4 PROG V
J2-M	CP8	12	22	PP/S #3 PROG I
J2-N	STP12	12	22	PP/S #1 COM
J2-P	E1	1	22	SPARE
J2-S	CP1	7	22	PP/S #1 PROG V
J2-T	CP3	7	22	PP/S #1 COM
J2-U	STP7	7	22	PP/S #2 COM
J2-W	E10	5	22	SPARE
J2-Y	STP4	4	22	SPARE
J2-Z	STP6	6	22	SPARE
J2-d	STP13	13	22	PP/S #4 COM
J2-e	CP12	14	22	PP/S #4 COM
J2-f	CP12	13	22	PP/S #4 COM
J2-g	CP9	11	22	PP/S #3 COM
J2-h	STP11	11	22	PP/S #3 COM
J2-i	CP5	10	22	PP/S #2 PROG I
J2-j	CP4	9	22	PP/S #2 PROG V
J2-k	CP2	8	22	PP/S #1 PROG I
J2-m	CP3	8	22	PP/S #1 COM
J2-n	CP7	11	22	PP/S #3 PROG V
J2-p	STP8	8	22	PP/S #1 COM
J2-q	E3	2	22	SPARE
J2-u	E12	6	22	SPARE
J2-v	STP9	9	22	PP/S #2 COM
J2-w	STP10	10	22	PP/S #2 COM
J2-x	CP9	12	22	PP/S #3 COM
J2-y	CP6	10	22	PP/S #2 COM
J2-z	CP6	9	22	PP/S #2 COM
J2-AA	E5	3	22	SPARE
J2-BB	E2	1	22	SPARE
J2-CC	E4	2	22	SPARE
J2-DD	E11	6	22	SPARE
J2-EE	E8	4	22	SPARE
J2-FF	E9	5	22	SPARE
J2-GG	E6	3	22	SPARE
J2-HH	E7	4	22	SPARE
P2-26	CP13	24	22	PP/S #1 COM
P2-41	CP1	16	22	PP/S #1 PROG V



TO	FROM
20	19
22	31
23	25
24	35
24	50
26	36
30	29
34	33
38	46
43	45
45	47

P2 thru P5 - PC-12

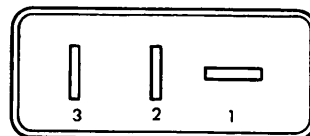
EL9LQ-1000-22

3-7. ELECTRONIC STATION (cont)


3-7

CABLE ASSEMBLY 1W2 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P2-44	CP2	17	22	PP/S #1 PROG I
P3-26	CP14	25	22	PP/S #2 COM
P3-41	CP4	18	22	PP/S #2 PROG V
P3-44	CP5	19	22	PP/S #2 PROG I
P4-26	CP15	26	22	PP/S #3 COM
P4-41	CP7	20	22	PP/S #3 PROG V
P4-44	CP8	21	22	PP/S #3 PROG I
P5-26	CP16	27	22	PP/S #4 COM
P5-41	CP10	22	22	PP/S #4 PROG V
P5-44	CP11	23	22	PP/S #4 PROG I
P304-1	CP1	28	22	PP/S #1 PROG V
P304-2	CP2	29	22	PP/S #1 PROG I
P304-3	CP3	28	22	PP/S #1 COM
P305-1	CP4	30	22	PP/S #2 PROG V
P305-2	CP5	31	22	PP/S #2 PROG I
P305-3	CP6	30	22	PP/S #2 COM
P306-1	CP7	32	22	PP/S #3 PROG V
P306-2	CP8	33	22	PP/S #3 PROG I
P306-3	CP9	32	22	PP/S #3 COM
P307-1	CP10	34	22	PP/S #4 PROG V
P307-2	CP11	35	22	PP/S #4 PROG I
P307-3	CP12	34	22	PP/S #4 COM
SHIELD	CP13	17	22	PP/S #1 COM
SHIELD	CP14	19	22	PP/S #2 COM
SHIELD	CP15	21	22	PP/S #3 COM
SHIELD	CP16	23	22	PP/S #4 COM
STP1	J2-C	1	22	SPARE
STP2	J2-B	2	22	SPARE
STP3	J2-A	3	22	SPARE
STP4	J2-Y	4	22	SPARE
STP5	J2-D	5	22	SPARE
STP6	J2-Z	6	22	SPARE
STP7	J2-U	7	22	PP/S #2 COM
STP8	J2-p	8	22	PP/S #1 COM



EL9LQ-1000-55

P304 thru P307-143-0322 



3-7. ELECTRONIC STATION (cont)

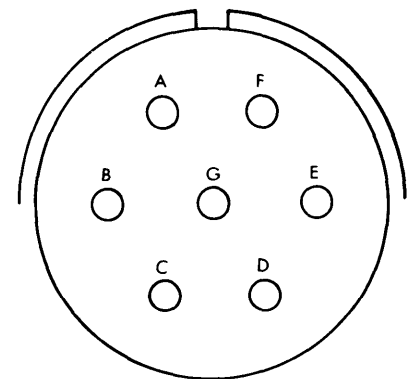
3-7

CABLE ASSEMBLY 1W2 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
STP9	J2-v	9	22	PP/S #2 COM
STP10	J2-w	10	22	PP/S #2 COM
STP11	J2-h	11	22	PP/S #3 COM
STP12	J2-N	12	22	PP/S #1 COM
STP13	J2-d	13	22	PP/S #4 COM
STP14	J2-J	14	22	PP/S #3 COM
STP15	J2-E	15	22	GND
STP15	STP21	41	22	GND
STP15	STP22	42	22	GND
STP16	STP23	40	22	GND
STP21	STP15	41	22	GND
STP22	STP15	42	22	GND
STP23	STP16	40	22	GND

CABLE ASSEMBLY 1W3 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J3-A	E1	1	12	115 VAC
J3-B	E2	2	12	115 VAC
J3-C	E3	3	12	NEUT
J3-D	E4	4	12	NEUT
J3-E	E5	5	12	CHASSIS GND
J3-F	E6	6	12	CHASSIS GND
J3-G	E7	7	12	CHASSIS GND

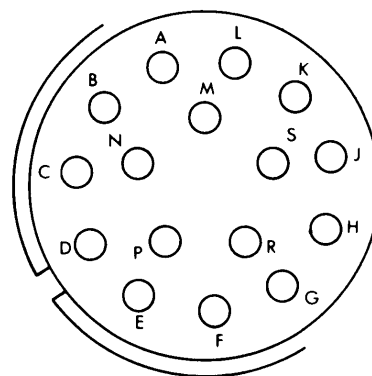


EL9LQ-1000-37

J3 - MS3100A24-2S

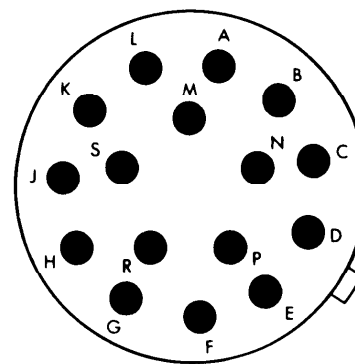
CABLE ASSEMBLY 1W4 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J4-A	P1-A	12	16	SENSOR
J4-B	P1-B	12	16	SENSOR RTN
J4-C	P1-C	14	16	FAN AC
J4-D	P1-D	15	16	FAN AC RTN
J4-E	P1-E	8	16	T E DRIVE
J4-F	P1-F	9	16	T E DRIVE
J4-G	STM2	5	16	CHASSIS GND
J4-H	P1-H	10	16	DRIVE RTN
J4-J	P1-J	11	16	DRIVE RTN
J4-K	P1-K	13	16	SENSOR DRIVE RTN
J4-L	P1-L	13	16	SENSOR DRIVE
J4-M	P1-M	17	16	SENSOR DRIVE
J4-N	P1-R	16	16	SENSOR RTN
J4-P	STM4	22	16	GND
J4-R	P1-N	16	16	SENSOR RTN
J4-S	P1-S	17	16	SENSOR DRIVE RTN
P1-A	J4-A	12	16	SENSOR
P1-B	J4-B	12	16	SENSOR RTN
P1-C	J4-C	14	16	FAN AC
P1-D	J4-D	15	16	FAN AC RTN
P1-E	J4-E	8	16	T E DRIVE
P1-F	J4-F	9	16	T E DRIVE
P1-G	STM1	2	16	CHASSIS GND
P1-H	J4-H	10	16	DRIVE RTN
P1-J	J4-J	11	16	DRIVE RTN
P1-K	J4-K	13	16	SENSOR DRIVE RTN
P1-L	J4-L	13	16	SENSOR DRIVE
P1-M	J4-M	17	16	SENSOR DRIVE
P1-N	J4-R	16	16	SENSOR RTN
P1-P	STM3	19	16	GND
P1-R	J4-N	16	16	SENSOR RTN
P1-S	J4-S	17	16	SENSOR DRIVE RTN
STM1	STM2	1	16	CHASSIS GND
STM1	STP1	3	22	SHIELD
STM1	STP3	4	22	SHIELD
STM1	P1-G	2	16	CHASSIS GND
STM2	STM1	1	16	CHASSIS GND
STM2	J4-G	5	16	CHASSIS GND
STM2	STP2	6	22	SHIELD
STM2	STP4	7	22	SHIELD
STM3	STM4	18	16	GND
STM3	P1-P	19	16	GND



EL9LQ-1000-31A

**KP28F20 - 16SW**



EL9LQ-1000-31A

**PT06SE-20-16PW (SR)**

3-7. ELECTRONIC STATION (cont)

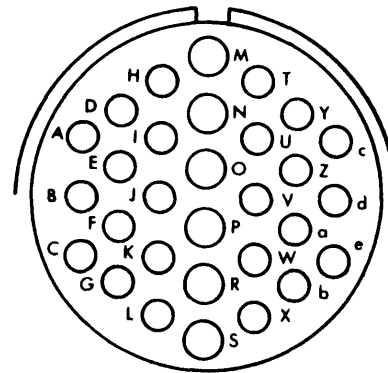
3-7

## CABLE ASSEMBLY 1W4 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
STM3	STP5	20	22	GND
STM3	STP7	21	22	GND
STM4	STM3	18	16	GND
STM4	J4-P	22	16	GND
STM4	STP6	23	22	GND
STM4	STP8	24	22	SHIELD
STP1	STM1	3	22	SHIELD
STP2	STM2	6	22	SHIELD
STP3	STM1	4	22	SHIELD
STP4	STM2	7	22	SHIELD
STP5	STM3	20	22	GND
STP6	STM4	23	22	GND
STP7	STM3	21	22	GND
STP8	STM4	24	22	SHIELD

CABLE ASSEMBLY 1W5 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
E1	J5-M	1	12	+5 VDC
E2	J5-N	2	12	+5 VDC
E3	J5-H	3	16	+5 VDC
E4	J5-O	4	12	+5V GND
E5	J5-P	5	12	+5V GND
E6	J5-J	6	16	+5V GND
E7	J5-T	7	16	+15 VDC
E8	J5-Y	8	16	+15 VDC
E9	J5-U	9	16	+15 VDC
E10	J5-c	10	16	+15V GND
E11	J5-d	11	16	+15V GND
E12	J5-Z	12	16	+15V GND
E13	J5-B	13	16	-15V GND
E14	J5-F	14	16	-15V GND
E15	J5-C	15	16	-15V GND
E16	J5-K	16	16	-15 VDC
E17	J5-G	17	16	-15 VDC
E18	J5-L	18	16	-15 VDC
E19	J5-D	19	16	+28 VDC
E20	J5-I	20	16	+28 VDC
E21	J5-A	21	16	+28V GND
E22	J5-E	22	16	+28V GND
J5-A	E21	21	16	+28V GND
J5-B	E13	13	16	-15V GND
J5-C	E15	15	16	-15V GND
J5-D	E19	19	16	+28 VDC
J5-E	E22	22	16	+28V GND
J5-F	E14	14	16	-15V GND
J5-G	E17	17	16	-15 VDC
J5-H	E3	3	16	+5 VDC
J5-I	E20	20	16	+28 VDC
J5-J	E6	6	16	+5V GND
J5-K	E16	16	16	-15 VDC
J5-L	E18	18	16	-15 VDC
J5-M	E1	1	12	+5 VDC
J5-N	E2	2	12	+5 VDC
J5-O	E4	4	12	+5V GND
J5-P	E5	5	12	+5V GND
J5-T	E7	7	16	+15 VDC
J5-U	E9	9	16	+15 VDC
J5-X	SHIELD	23	16	SHIELD
J5-Y	E8	8	16	+15 VDC
J5-Z	E12	12	16	+15V GND
J5-c	E10	10	16	+15V GND
J5-d	E11	11	16	+15V GND
SHIELD	J5-X	23	16	SHIELD



EL9LQ-1000-35

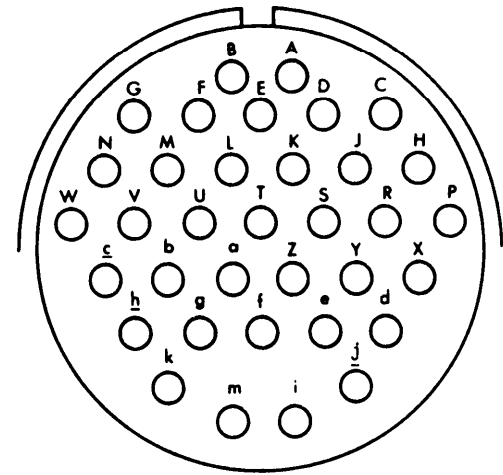
J5 - MS3100F32-8S

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W6 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
E1	J6-B	3	16	PS4 +OUT
E1	J6-E	3	16	PS4 +OUT
E2	J6-F	3	16	PS4 +S
E3	J6-D	5	16	PS4 -OUT
E3	J6-H	5	16	PS4 -OUT
E4	J6-J	5	16	PS4 -S
E5	J6-K	7	16	PS3 +OUT
E5	J6-L	7	16	PS3 +OUT
E6	J6-S	7	16	PS3 +S
E7	J6-P	9	16	PS3 -OUT
E7	J6-R	9	16	PS3 -OUT
E8	J6-Y	9	16	PS3 -S
E9	J6-V	11	16	PS2 +OUT
E9	J6-b	11	16	PS2 +OUT
E10	J6-c	11	16	PS2 +S
E11	J6-M	13	16	PS2 -OUT
E11	J6-N	13	16	PS2 -OUT
E12	J6-U	13	16	PS2 -S
E13	J6-Z	15	16	PS1 +OUT
E13	J6-d	15	16	PS1 +OUT
E14	J6-e	15	16	PS1 +S
E15	J6-g	17	16	PS1 -OUT
E15	J6-h	17	16	PS1 -OUT
E16	J6-k	17	16	PS1 -S
J6-A	STPA	2	22	SHIELD
J6-B	E1	3	16	PS4 +OUT
J6-C	STPB	4	22	SHIELD
J6-D	E3	5	16	PS4 -OUT
J6-E	E1	3	16	PS4 +OUT
J6-F	E2	3	16	PS4 +S
J6-G	STPF	12	22	SHIELD
J6-H	E3	5	16	PS4 -OUT
J6-J	E4	5	16	PS4 -S
J6-K	E5	7	16	PS3 +OUT
J6-L	E5	7	16	PS3 +OUT
J6-M	E11	13	16	PS2 -OUT
J6-N	E11	13	16	PS2 -OUT
J6-P	E7	9	16	PS3 -OUT
J6-R	E7	9	16	PS3 -OUT
J6-S	E6	7	16	PS3 +S
J6-T	STPC	6	22	SHIELD
J6-U	E12	13	16	PS2 -S



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J6 - MS3100F28-15S

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W6 WIRE LIST (cont)

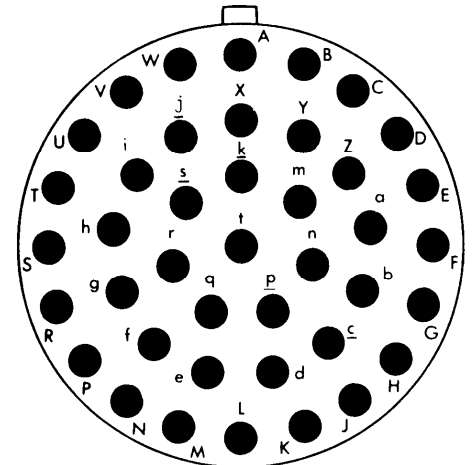
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J6-V	E9	11	16	PS2 +OUT
J6-W	STPE	10	22	SHIELD
J6-X	STPD	8	22	SHIELD
J6-Y	E8	9	16	PS3 -S
J6-Z	E13	15	16	PS1 +OUT
J6-b	E9	11	16	PS2 +OUT
J6-c	E10	11	16	PS2 +S
J6-d	E13	15	16	PS1 +OUT
J6-e	E14	15	16	PS1 +S
J6-f	STPG	14	22	SHIELD
J6-g	E15	17	16	PS1 -OUT
J6-h	E15	17	16	PS1 -OUT
J6-j	STM1	1	22	SHIELD
J6-k	E16	17	16	PS1 -S
J6-m	STPH	16	22	SHIELD
STM1	J6-j	1	22	SHIELD
STPA	J6-A	2	22	SHIELD
STPB	J6-C	4	22	SHIELD
STPC	J6-T	6	22	SHIELD
STPD	J6-X	8	22	SHIELD
STPE	J6-W	10	22	SHIELD
STPF	J6-G	12	22	SHIELD
STPG	J6-f	14	22	SHIELD
STPH	J6-m	16	22	SHIELD

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W7 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
E2	STMB	82	22	SHIELD
E2	STMC	84	22	SHIELD
E2	STMF	97	22	SHIELD
E2	STMA	98	22	SHIELD
J1-C	STMA	60	22	SHIELD
J1-D	STMF	59	22	SHIELD
J1-E	P2-18	74	22	<u>DVCMD HI</u>
J1-F	P2-17	74	22	<u>DVCMD LO</u>
J1-G	STMF	58	22	SHIELD
J1-H	P2-5	35	22	<u>DVFLG HI</u>
J1-J	P2-4	35	22	<u>DVFLG LO</u>
J1-K	P3-16	-	22	<u>DIFIN 15</u>
J1-L	P3-T	34	22	<u>DIFIN 15</u>
J1-M	P3-15	-	22	<u>DIFIN 14</u>
J1-N	P3-S	33	22	<u>DIFIN 14</u>
J1-P	P3-14	-	22	<u>DIFIN 13</u>
J1-R	P3-R	32	22	<u>DIFIN 13</u>
J1-S	P3-13	-	22	<u>DIFIN 12</u>
J1-T	P3-P	31	22	<u>DIFIN 12</u>
J1-U	P3-12	-	22	<u>DIFIN 11</u>
J1-V	P3-N	30	22	<u>DIFIN 11</u>
J1-W	P3-11	-	22	<u>DIFIN 10</u>
J1-X	P3-M	29	22	<u>DIFIN 10</u>
J1-Y	P3-10	-	22	<u>DIFIN 9</u>
J1-Z	P3-L	28	22	<u>DIFIN 9</u>
J1-a	P3-9	-	22	<u>DIFIN 8</u>
J1-b	P3-K	27	22	<u>DIFIN 8</u>
J1-c	P3-8	-	22	<u>DIFIN 7</u>
J1-d	P3-J	26	22	<u>DIFIN 7</u>
J1-e	P3-7	-	22	<u>DIFIN 6</u>
J1-f	P3-H	25	22	<u>DIFIN 6</u>
J1-q	P3-6	-	22	<u>DIFIN 5</u>
J1-h	P3-F	24	22	<u>DIFIN 5</u>
J1-i	P3-5	-	22	<u>DIFIN 4</u>
J1-j	P3-E	23	22	<u>DIFIN 4</u>
J1-k	P3-4	-	22	<u>DIFIN 3</u>
J1-m	P3-D	22	22	<u>DIFIN 3</u>
J1-n	P3-3	-	22	<u>DIFIN 2</u>
J1-p	P3-C	21	22	<u>DIFIN 2</u>
J1-q	P3-2	-	22	<u>DIFIN 1</u>
J1-r	P3-B	20	22	<u>DIFIN 1</u>
J1-s	P3-1	-	22	<u>DIFIN 0</u>



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J1 - KP28F20-41P



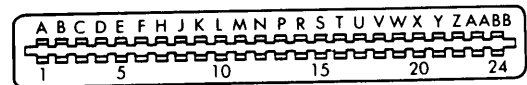


3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J3-w	TP2	(43)	22	GND
J3-x	P1-F	43	22	OUT 5
J3-y	TP1	(42)	22	GND
J3-z	P1-E	42	22	OUT 4
P1-I	P3-17	1	22	CIN 0
P1-2	P3-U	2	22	CIN 1
P1-3	P3-18	3	22	CIN 2
P1-4	P3-V	4	22	CIN 3
P1-5	P3-19	5	22	CIN 4
P1-6	P3-W	6	22	CIN 5
P1-7	P3-20	7	22	CIN 6
P1-8	P3-X	8	22	CIN 7
P1-9	P3-21	9	22	CIN 8
P1-10	P3-Y	10	22	CIN 9
P1-11	P3-22	11	22	CIN 10
P1-12	P3-Z	12	22	CIN 11
P1-13	P3-23	13	22	CIN 12
P1-14	P3-AA	14	22	CIN 13
P1-15	P3-24	15	22	CIN 14
P1-16	P3-BB	16	22	CIN 15
P1-23	P2-7	18	22	DVFLG (COMP)
P1-24	TP3	68	22	GND
P1-A	J3-HH	38	22	OUT 0
P1-B	J3-FF	39	22	OUT 1
P1-C	J3-DD	40	22	OUT 2
P1-D	J3-BB	41	22	OUT 3
P1-E	J3-z	42	22	OUT 4
P1-F	J3-x	43	22	OUT 5
P1-H	J3-v	44	22	OUT 6
P1-J	J3-NN	45	22	OUT 7
P1-K	J3-r	46	22	OUT 8
P1-L	J3-p	47	22	OUT 9
P1-M	J3-m	48	22	OUT 10
P1-N	J3-j	49	22	OUT 11
P1-P	J3-h	50	22	OUT 12
P1-R	J3-f	51	22	OUT 13
P1-S	J3-d	52	22	OUT 14
P1-T	J3-b	53	22	OUT 15
P1-U	P2-I	54	22	CNT 0 (COMP)
P1-V	P2-2	55	22	CNT 1 (COMP)
P1-W	P2-14	56	22	CNT 2 (COMP)
P1-X	P2-15	62	22	CNT 3 (COMP)



EL9LQ-1000-21

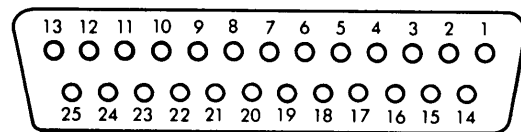
P1 and P3 - 5061-3426

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-AA	P2-6	17	22	DVCMD (COMP)
P1-BB	TP2	65	22	GND
P2-1	P1-U	54	22	CNT 0 (COMP)
P2-2	P1-V	55	22	CNT 1 (COMP)
P2-4	J1-J	35	22	DVFLG LO
P2-5	J1-H	35	22	DVFLG HI
P2-6	P1-AA	17	22	DVCMD (COMP)
P2-7	P1-23	18	22	DVFLG (COMP)
P2-8	STP1	85	22	SHIELD
P2-9	STMD	91	22	SHIELD
P2-10	J3-U	72	22	CNT 2
P2-11	J3-V	72	22	CNT 2
P2-12	J3-W	71	22	CNT 1
P2-13	J3-X	71	22	CNT 1
P2-14	P1-W	56	22	CNT 2 (COMP)
P2-15	P1-X	62	22	CNT 3 (COMP)
P2-17	J1-F	74	22	DVCMD LO
P2-18	J1-E	74	22	DVCMD HI
P2-19	STME	94	22	SHIELD
P2-20	STP2	86	22	SHIELD
P2-22	J3-S	73	22	CNT 3
P2-23	J3-T	73	22	CNT 3
P2-24	J3-Y	70	22	CNT 0
P2-25	J3-Z	70	22	CNT 0
P3-1	J1-s		22	DIFIN 0
P3-2	J1-q		22	DIFIN 1
P3-3	J1-n		22	DIFIN 2
P3-4	J1-k		22	DIFIN 3
P3-5	J1-i		22	DIFIN 4
P3-6	J1-g		22	DIFIN 5
P3-7	J1-e		22	DIFIN 6
P3-8	J1-c		22	DIFIN 7
P3-9	J1-a		22	DIFIN 8
P3-10	J1-Y		22	DIFIN 9
P3-11	J1-W		22	DIFIN 10
P3-12	J1-U		22	DIFIN 11
P3-13	J1-S		22	DIFIN 12
P3-14	J1-P		22	DIFIN 13
P3-15	J1-M		22	DIFIN 14
P3-16	J1-K		22	DIFIN 15
P3-17	P1-1	1	22	CIN 0
P3-18	P1-3	3	22	CIN 2



EL9LQ-1000-11

P2 - MS24308/2-3

## 3-7. ELECTRONIC STATION (cont)

3-7

## CABLE ASSEMBLY 1W7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P3-19	P1-5	5	22	CIN 4
P3-20	P1-7	7	22	CIN 6
P3-21	P1-9	9	22	CIN 8
P3-22	P1-11	11	22	CIN 10
P3-23	P1-13	13	22	CIN 12
P3-24	P1-15	15	22	CIN 14
P3-A	J1-t	19	22	DIFIN 0
P3-B	J1-r	20	22	DIFIN 1
P3-C	J1-p	21	22	DIFIN 2
P3-D	J1-m	22	22	DIFIN 3
P3-E	J1-j	23	22	DIFIN 4
P3-F	J1-h	24	22	DIFIN 5
P3-H	J1-f	25	22	DIFIN 6
P3-J	J1-d	26	22	DIFIN 7
P3-K	J1-b	27	22	DIFIN 8
P3-L	J1-Z	28	22	DIFIN 9
P3-M	J1-X	29	22	DIFIN 10
P3-N	J1-V	30	22	DIFIN 11
P3-P	J1-T	31	22	DIFIN 12
P3-R	J1-R	32	22	DIFIN 13
P3-S	J1-N	33	22	DIFIN 14
P3-T	J1-L	34	22	DIFIN 15
P3-U	P1-2	2	22	CIN 1
P3-V	P1-4	4	22	CIN 3
P3-W	P1-6	6	22	CIN 5
P3-X	P1-8	8	22	CIN 7
P3-Y	P1-10	10	22	CIN 9
P3-Z	P1-12	12	22	CIN 11
P3-AA	P1-14	14	22	CIN 13
P3-BB	P1-16	16	22	CIN 15
STMA	J1-C	60	22	SHIELD
STMA	E2	98	22	SHIELD
STMB	E2	82	22	SHIELD
STMB	STP9	76	22	SHIELD
STMB	STP10	78	22	SHIELD
STMB	STP11	80	22	SHIELD
STMB	STP12	81	22	SHIELD
STMC	J3-P	83	22	SHIELD
STMC	E2	84	22	SHIELD
STMD	P2-9	91	22	SHIELD
STMD	STP3	87	22	SHIELD
STMD	STP4	88	22	SHIELD
STMD	STP5	89	22	SHIELD
STMD	STP6	90	22	SHIELD

## 3-7. ELECTRONIC STATION (cont)

3-7

## CABLE ASSEMBLY 1W7 WIRE LIST (cont)

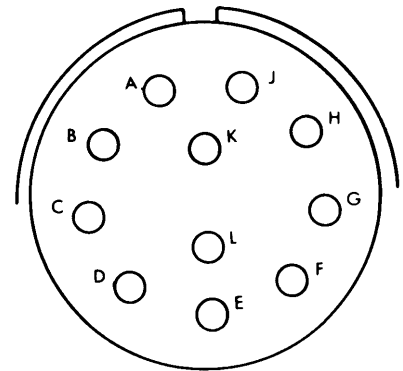
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
STME	P2-19	94	22	SHIELD
STME	STP7	92	22	SHIELD
STME	STP8	93	22	SHIELD
STMF	J1-G	58	22	SHIELD
STMF	J1-D	59	22	SHIELD
STMF	E2	97	22	SHIELD
STMF	STP13	95	22	SHIELD
STMF	STP14	96	22	SHIELD
STP1	P2-8	85	22	SHIELD
STP2	P2-20	86	22	SHIELD
STP3	STMD	87	22	SHIELD
STP4	STMD	88	22	SHIELD
STP5	STMD	89	22	SHIELD
STP6	STMD	90	22	SHIELD
STP7	STME	92	22	SHIELD
STP8	STME	93	22	SHIELD
STP9	STMB	76	22	SHIELD
STP9	J3-A	75	22	SHIELD
STP10	STMB	78	22	SHIELD
STP10	J3-t	77	22	SHIELD
STP11	STMB	80	22	SHIELD
STP11	J3-s	79	22	SHIELD
STP12	J3-R	57	22	SHIELD
STP12	STMB	81	22	SHIELD
STP13	STMF	95	22	SHIELD
STP14	STMF	96	22	SHIELD
TP1	J3-GG	(38)	22	GND
TP1	J3-EE	(39)	22	GND
TP1	J3-CC	(40)	22	GND
TP1	J3-AA	(41)	22	GND
TP1	J3-y	(42)	22	GND
TP1	TP2	64	22	GND
TP2	TP1	64	22	GND
TP2	P1-BB	65	22	GND
TP2	J3-w	(43)	22	GND
TP2	J3-u	(44)	22	GND
TP2	J3-MM	(45)	22	GND
TP2	J3-q	(46)	22	GND
TP2	J3-n	(47)	22	GND
TP3	J3-k	(48)	22	GND
TP3	J3-i	(49)	22	GND
TP3	J3-g	(50)	22	GND
TP3	J3-e	(51)	22	GND
TP3	J3-c	(52)	22	GND
TP3	P1-24	68	22	GND
TP3	J3-a	(53)	22	GND

3-7. ELECTRONIC STATION (cont)

3-7

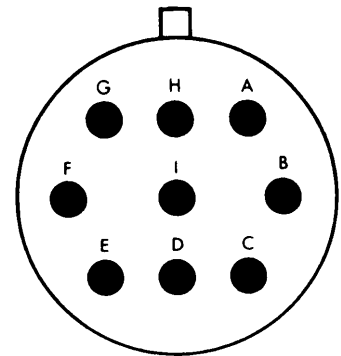
CABLE ASSEMBLY 1W8 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
CTP1	J2-A	1	16	DRIVE
CTP1	J2-B	2	16	DRIVE
CTP1	P1-B	5	16	DRIVE
CTP2	J2-G	3	16	DRIVE RTN
CTP2	J2-H	4	16	DRIVE RTN
CTP2	P1-F	6	16	DRIVE RTN
J2-A	CTP1	1	16	DRIVE
J2-B	CTP1	2	16	DRIVE
J2-C	P1-H		16	AC FAN B
J2-D	P1-G	11	16	OVERHEAT A
J2-E	P1-E	12	16	OVERHEAT B
J2-F	P1-D	7	16	AC FAN A
J2-G	CTP2	3	16	DRIVE RTN
J2-H	CTP2	4	16	DRIVE RTN
J2-J	STMB	13	16	CHASSIS GND
J2-K	P1-C	9	16	SENSOR A
J2-L	P1-A	10	16	SENSOR B
P1-A	J2-L	10	16	SENSOR B
P1-B	CTP1	5	16	DRIVE
P1-C	J2-K	9	16	SENSOR A
P1-D	J2-F	7	16	AC FAN A
P1-E	J2-E	12	16	OVERHEAT B
P1-F	CTP2	6	16	DRIVE RTN
P1-G	J2-D	11	16	OVERHEAT A
P1-H	J2-C		16	AC FAN B
P1-I	STMA	15	16	CHASSIS GND
STMA	STMB	14	16	CHASSIS GND
STMA	P1-I	15	16	CHASSIS GND
STMA	STP1	16	20	SHIELD
STMB	J2-J	13	16	CHASSIS GND
STMB	STMA	14	16	CHASSIS GND
STMB	STP2	17	20	SHIELD
STP1	STMA	16	20	SHIELD
STP2	STMB	17	20	SHIELD



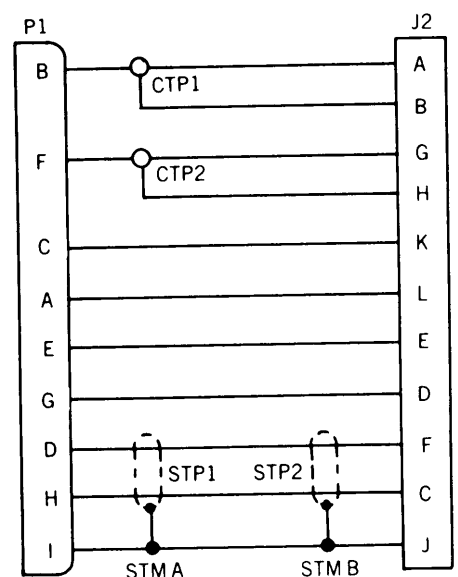
EL9LQ-1000-48

KP28F18 - 115



EL9LQ-1000-6

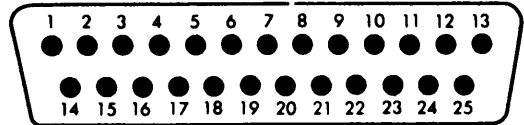
P1 - MS3106A20-18P



EL9LQ-1010-11

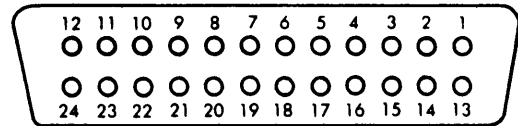
CABLE ASSEMBLY 1W9 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-1	P2-L	32	22	CNT 0 (COMP)
J1-2	P2-K	31	22	CNT 1 (COMP)
J1-4	P2-D	26	22	DVFLG LO
J1-5	P2-C	26	22	DVFLG HI
J1-6	P2-F	28	22	DVCMD (COMP)
J1-7	P2-E	27	22	DVELG (COMP)
J1-8	STP3	39	22	GND
J1-9	STM1	45	22	GND
J1-10	P2-T	35	22	CNT 2
J1-11	P2-S	35	22	CNT 2
J1-12	P2-R	34	22	CNT 1
J1-13	P2-P	34	22	CNT 1
J1-14	P2-J	30	22	CNT 2 (COMP)
J1-15	P2-H	29	22	CNT 3 (COMP)
J1-17	P2-B	25	22	DVCMD LO
J1-18	P2-A	25	22	DVCMD HI
J1-19	STM2	47	22	GND
J1-20	STP4	40	22	GND
J1-22	P2-V	36	22	CNT 3
J1-23	P2-U	36	22	CNT 3
J1-24	P2-N	33	22	CNT 0
J1-25	P2-M	33	22	CNT 0
P1-1	P2-9	9	22	DIO 1
P1-2	P2-10	10	22	DIO 2
P1-3	P2-11	11	22	DIO 3
P1-4	P2-12	12	22	DIO 4
P1-5	P2-8	8	22	EOI
P1-6	P2-2	2	22	DAV
P1-7	P2-4	4	22	NRFD
P1-8	P2-3	3	22	NDAC
P1-9	P2-6	6	22	IFC
P1-10	P2-5	5	22	SRQ
P1-11	P2-1	1	22	ATN
P1-12	SHIELD	12	22	GND
P1-13	P2-13	13	22	DIO 5
P1-14	P2-14	14	22	DIO 6
P1-15	P2-15	15	22	DIO 7
P1-16	P2-16	16	22	DIO 8
P1-17	P2-7	17	22	REN
P1-18	P2-18	18	22	GND
P1-19	P2-19	19	22	GND
P1-20	P2-20	20	22	GND
P1-21	P2-21	21	22	GND
P1-22	P2-22	22	22	GND



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J1 - M24308/4-3



EL9LQ-1000-20

P1 - HP10833B

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W9 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-23	P2-23	23	22	GND
P1-24	P2-24	24	22	LOGIC GND
P2-1	P1-11	1	22	ATN
P2-2	P1-6	2	22	DAV
P2-3	P1-8	3	22	NDAC
P2-4	P1-7	4	22	NRFD
P2-5	P1-10	5	22	SRQ
P2-6	P1-9	6	22	IFC
P2-7	P1-17	7	22	REN
P2-8	P1-5	8	22	EOI
P2-9	P1-1	9	22	DIO 1
P2-10	P1-2	10	22	DIO 2
P2-11	P1-3	11	22	DIO 3
P2-12	P1-4	12	22	DIO 4
P2-13	P1-13	13	22	DIO 5
P2-14	P1-14	14	22	DIO 6
P2-15	P1-15	15	22	DIO 7
P2-16	P1-16	16	22	DIO 8
P2-18	P1-18	18	22	GND
P2-19	P1-19	19	22	GND
P2-20	P1-20	20	22	GND
P2-21	P1-21	21	22	GND
P2-22	P1-22	22	22	GND
P2-23	P1-23	23	22	GND
P2-24	P1-24	24	22	LOGIC GND
P2-A	J1-18	25	22	DVCMD HI
■ P2-B	J1-17	25	22	DVCMD LO
P2-C	J1-5	26	22	DVFLG HI
■ P2-D	J1-4	26	22	DVFLG LO
P2-E	J1-7	27	22	DVELG (COMP)
P2-F	J1-6	28	22	DVCMD (COMP)
P2-H	J1-15	29	22	CNT 3 (COMP)
P2-J	J1-14	30	22	CNT 2 (COMP)
P2-K	J1-2	31	22	CNT 1 (COMP)
P2-L	J1-1	32	22	CNT 0 (COMP)
P2-M	J1-25	33	22	CNT 0
■ P2-N	J1-24	33	22	CNT 0
P2-P	J1-13	34	22	CNT 1
■ P2-R	J1-12	34	22	CNT 1
P2-S	J1-11	35	22	CNT 2
■ P2-T	J1-10	35	22	CNT 2
P2-U	J1-23	36	22	CNT 3



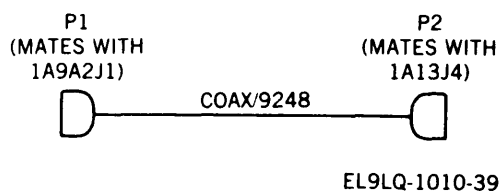
EL9LQ-1000-21

P2 - 5061-3426

CABLE ASSEMBLY 1W9 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P2-V	J1-22	36	22	CNT 3
P2-W	STP1	37	22	GND
P2-X	STP2	38	22	GND
SHIELD	P1-12	12	22	GND
STM1	J1-9	45	22	GND
STM2	J1-19	48	22	GND
STM1	STP5	41	22	GND
STM1	STP6	42	22	GND
STM1	STP7	43	22	GND
STM1	STP8	44	22	GND
STM2	STP9	46	22	GND
STM2	STP10	47	22	GND
STP1	P2-W	37	22	GND
STP2	P2-X	38	22	GND
STP3	J1-8	39	22	GND
STP4	J1-20	40	22	GND
STP5	STM1	41	22	GND
STP6	STM1	42	22	GND
STP7	STM1	43	22	GND
STP8	STM1	44	22	GND
STP9	STM2	46	22	GND
STP10	STM2	47	22	GND

CABLE ASSEMBLY 1W13 WIRE DIAGRAM



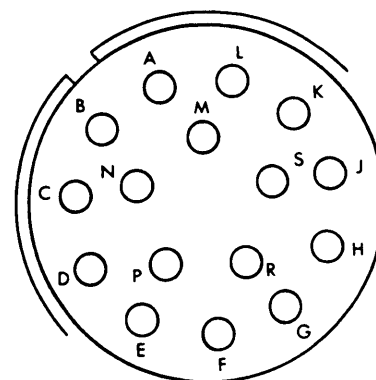


3-7. ELECTRONIC STATION (cont)

3-7

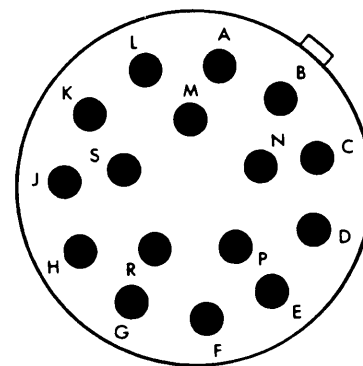
CABLE ASSEMBLY 1W15 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J7-A	P2-A	12	16	SENSOR
J7-B	P2-B	12	16	SENSOR RTN
J7-C	P2-C	14	16	FAN AC
J7-D	P2-D	15	16	FAN AC RTN
J7-E	P2-E	8	16	T E DRIVE
J7-F	P2-F	9	16	T E DRIVE
J7-G	STM2	5	16	CHASSI S GND
J7-H	P2-H	10	16	DRI VE RTN
J7-J	P2-J	11	16	DRI VE RTN
J7-K	P2-K	13	16	SENSOR DRI VE RTN
J7-L	P2-L	13	16	SENSOR DRI VE
P2-A	J7-A	12	16	SENSOR
P2-B	J7-B	12	16	SENSOR RTN
P2-C	J7-C	14	16	FAN AC
P2-D	J7-D	15	16	FAN AC RTN
P2-E	J7-E	8	16	T E DRIVE
P2-F	J7-F	9	16	T E DRIVE
P2-G	STM1	2	16	CHASSI S GND
P2-H	J7-H	10	16	DRI VE RTN
P2-J	J7-J	11	16	DRI VE RTN
P2-K	J7-K	13	16	SENSOR DRI VE RTN
P2-L	J7-L	13	16	SENSOR DRI VE
STM1	STM2	1	16	CHASSI S GND
STM1	P2-G	2	16	SHI ELD
STM1	STP1	3	22	SHI ELD
STM1	STP3	4	22	SHI ELD
STM2	STM1	1	16	SHI ELD
STM2	J7-G	5	16	SHI ELD
STM2	STP2	6	22	SHI ELD
STM2	STP4	7	22	SHI ELD
STP1	STM1	3	22	SHI ELD
STP2	STM2	6	22	SHI ELD
STP3	STM1	4	22	SHI ELD
STP4	STM2	7	22	SHI ELD



EL9LQ-1000-132

**J7-KP28F20-165X**



EL9LQ-1000-132

**P2-PT06SE-20-16PX (SR)**

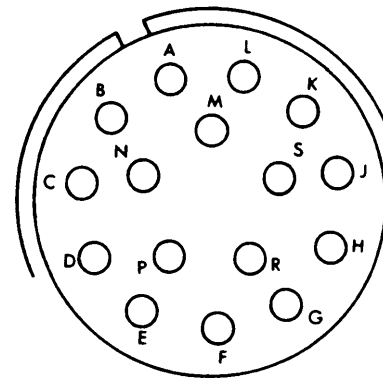


3-7. ELECTRONIC STATION (cont)

3-7

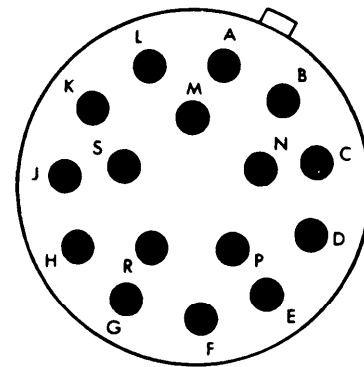
CABLE ASSEMBLY 1W16 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J8-A	P3-A	12	16	SENSOR
J8-B	P3-B	12	16	SENSOR RTN
J8-C	P3-C	14	16	FAN AC
J8-D	P3-D	15	16	FAN AC RTN
J8-E	P3-E	8	16	T E DRIVE
J8-F	P3-F	9	16	T E DRIVE
J8-G	STM2	5	16	CHASSI S GND
J8-H	P3-H	10	16	DRI VE RTN
J8-J	P3-J	11	16	DRI VE RTN
J8-K	P3-K	13	16	SENSOR DRI VE RTN
J8-L	P3-L	13	16	SENSOR DRI VE
P3-A	J8-A	12	16	SENSOR
P3-B	J8-B	12	16	SENSOR RTN
P3-C	J8-C	14	16	FAN AC
P3-D	J8-D	15	16	FAN AC RTN
P3-E	J8-E	8	16	T E DRIVE
P3-F	J8-F	9	16	T E DRIVE
P3-G	STM1	2	16	CHASSI S GND
P3-H	J8-H	10	16	DRI VE RTN
P3-J	J8-J	11	16	DRI VE RTN
P3-K	J8-K	13	16	SENSOR DRI VE RTN
P3-L	J8-L	13	16	SENSOR DRI VE
STM1	STM2	1	22	CHASSI S GND
STM1	P3-G	2	16	CHASSI S GND
STM1	STP1	3	16	SHI ELD
STM1	STP3	4	16	SHI ELD
STM2	STM1	1	16	CHASSI S GND
STM2	J8-G	5	16	CHASSI S GND
STM2	STP2	6	22	SHI ELD
STM2	STP4	7	22	SHI ELD
STP1	STM1	3	16	SHI ELD
STP2	STM2	6	22	SHI ELD
STP3	STM1	4	16	SHI ELD
STP4	STM2	7	22	SHI ELD



EL9LQ-1000-131

**J8-KP28F20-16SY**



EL9LQ-1000-131

**P3-PT06SE-20-16PY (SR)**

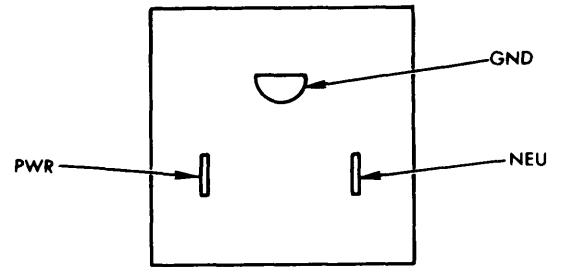


3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W17 and 1W104 WIRE LIST

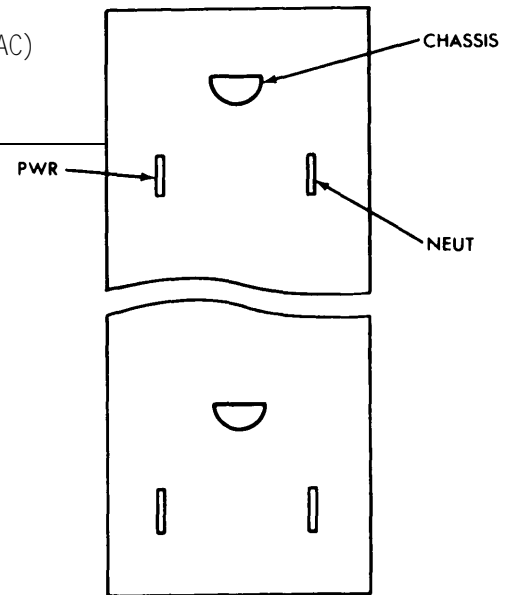
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P3	E1	1	16	PWR (115 VAC)
P3	E2	2	16	NEUT (GND)
P3	E3	3	16	CHASSI S GND



EL9LQ-1000-56A  
P3 - 17521

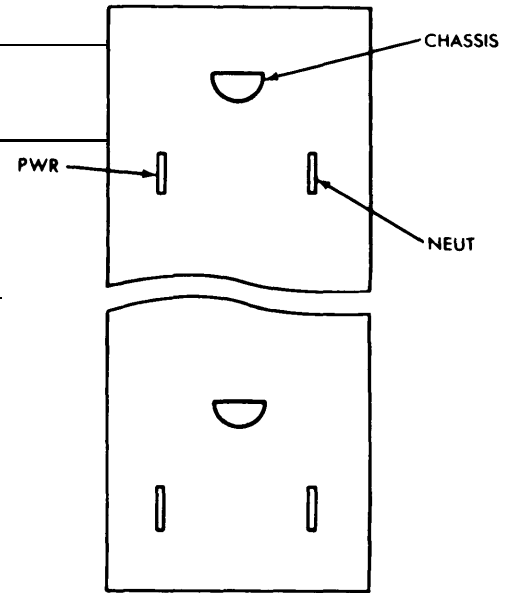
CABLE ASSEMBLY 1W18 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1	E1	1	16	PWR (115 . VAC)
J1	E2	2	16	RTN (GND)
J1	E3	3	16	GND



CABLE ASSEMBLY 1W19 WIRE LIST

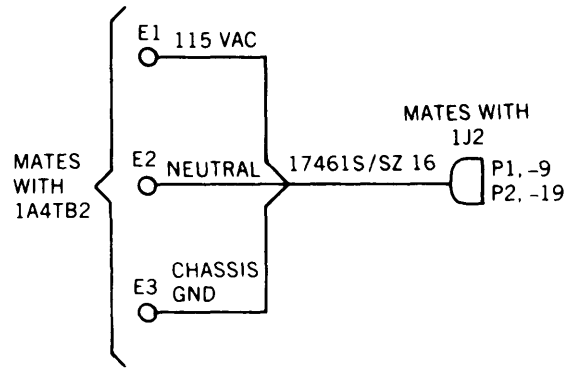
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J2	E1	1	16	PWR (115 VAC)
J2	E2	2	16	RTN
J2	E3	3	16	GND



EL9LQ-1000-122A

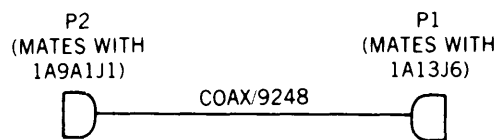
P/O J2 - 7415-15

CABLE ASSEMBLY 1W23 AND 1W24 WIRE DIAGRAM



EL9LQ-1010-34A

CABLE ASSEMBLY 1W25 WIRE DIAGRAM

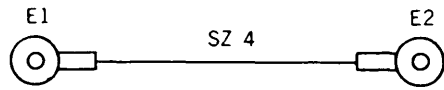


EL9LQ-1010-40

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY 1W26, 1W27, AND 1W28 WIRE DIAGRAM

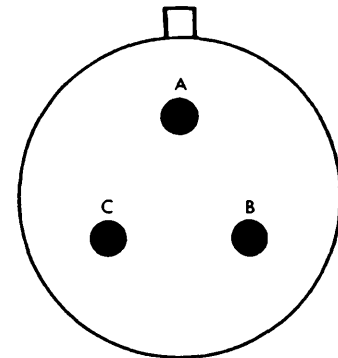


EL9LQ-1010-61

CABLE		MATES WITH
13081895	E1	1E3
	E2	1A14E1
13081895-19	E1	1A14E1
	E2	1A13E2
13081895-29	E1	1A5TB1-15
	E2	1E3

CABLE ASSEMBLY 1W31 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-A	E1	1	4	115 VAC
J1-B	E2	2	4	NEUT
J1-C	E3	3	4	CHASSIS GND

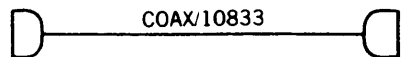


EL9LQ-1000-1

**J1 - MS3450W28-6P**

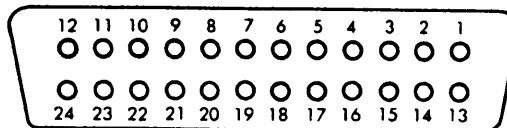
3-7. ELECTRONIC STATION (cont)

CABLE ASSEMBLY 1HP10833B AND 1HP10833C WIRE DIAGRAM



EL9LQ-1010-41

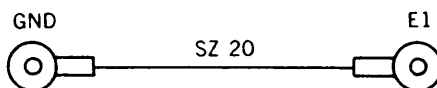
CABLE		MATES WITH
HP10833B	P1	1A1J1 (IEEE BUS)
	P2	1A2J1
HP10833B	J1	HP12009-60002 (P1)
	P2	1A9A1 (HP-IB)
HP10833B	J1	1W9P1
	-	1A9A2 (HP-IB)
HP10833C	-	1A2J1
	P2	1A9A1 (HP-IB)



EL9LQ-1000-20

HP10833B/C

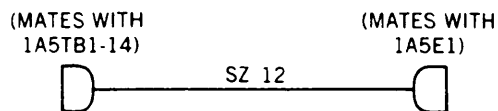
CABLE ASSEMBLY 1A3W31, 1A3W32, 1A3W33, AND 1A3W34 WIRE DIAGRAM



EL9LQ-1010-62

CABLE		MATES WITH
13081477-89	E1	1A3 GND
	GND	PS1 GND
13081477-99	E1	1A3 GND
	GND	PS2 GND
13081477-109	E1	1A3 GND
	GND	PS3 GND
13081477-119	E1	1A3 GND
	GND	PS4 GND

CABLE ASSEMBLY 1A5W30 WIRE DIAGRAM



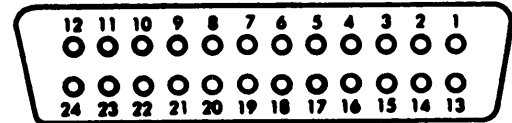
EL9LQ-1010-42

3-7. ELECTRONIC STATION (cont)

3-7

CABLE ASSEMBLY HP12009-60002 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-1	P2-1	1	22	DIO 1
P1-2	P2-2	2	22	DIO 2
P1-3	P2-3	3	22	DIO 3
P1-4	P2-4	4	22	DIO 4
P1-5	P2-5	5	22	EOI
P1-6	P2-6	6	22	DAV
P1-7	P2-7	7	22	NRFD
P1-8	P2-8	8	22	NDAC
P1-9	P2-9	9	22	IFC
P1-10	P2-10	10	22	SRQ
P1-11	P2-11	11	22	ATN
P1-12	P2-R	12	22	SHIELD
P1-13	P2-A	13	22	DIO 5
P1-14	P2-B	14	22	DIO 6
P1-15	P2-C	15	22	DIO 7
P1-16	P2-D	16	22	DIO 8
P1-17	P2-E	17	22	REN
P1-18	P2-F	18	22	GND
P1-19	P2-H	19	22	GND
P1-20	P2-J	20	22	GND
P1-21	P2-K	21	22	GND
P1-22	P2-L	22	22	GND
P1-23	P2-M	23	22	GND
P1-24	P2-P	24	22	SIGNAL GND
P2-1	P1-1	1	22	DIO 1
P2-2	P1-2	2	22	DIO 2
P2-3	P1-3	3	22	DIO 3
P2-4	P1-4	4	22	DIO 4
P2-5	P1-5	5	22	EOI
P2-6	P1-6	6	22	DAV
P2-7	P1-7	7	22	NRFD
P2-8	P1-8	8	22	NDAC
P2-9	P1-9	9	22	IFC
P2-10	P1-10	10	22	SRQ
P2-11	P1-11	11	22	ATN
P2-A	P1-13	13	22	DIO 5
P2-B	P1-14	14	22	DIO 6
P2-C	P1-15	15	22	DIO 7
P2-D	P1-16	16	22	DIO 8
P2-E	P1-17	17	22	REN
P2-F	P1-18	18	22	GND
P2-H	P1-19	19	22	GND
P2-J	P1-20	20	22	GND
P2-K	P1-21	21	22	GND



EL9LQ-1000-20

P1 - HP10833B



EL9LQ-1000-29

P2 - HP14555A

**NOTE**

Pin numbers/letters are located on back of connector inside cover.

## 3-7. ELECTRONIC STATION (cont)

3-7

## CABLE ASSEMBLY HP12009-60002 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-L	P1-22	22	22	GND
P2-M	P1-23	23	22	GND
P2-P	P1-24	24	22	SI GNAL GND
P2-R	P1-12	12	22	SHI ELD



Section IV. ELECTRO-OPTICAL TEST BENCH SET  
INTERCONNECTION WIRING DATA

Subject	Part No.	Para	Page
General . . . . .		3-8	3-35
Electro-Optical Test Bench Interconnection Diagram . . . . .		3-9	3-36
Cable Assembly W1 Wire List . . . . .	13083336-39	3-9	3-37
Cable Assembly W2 Wire List . . . . .	13083337-19	3-9	3-38
Cable Assembly W3 Wire List . . . . .	13083338-19	3-9	3-42
Cable Assembly W4 Wire List . . . . .	13083341-19	3-9	3-44
Cable Assembly W5 Wire List . . . . .	13083342-19	3-9	3-45
Cable Assembly W6 Wire List . . . . .	13083339-19	3-9	3-47
Cable Assembly W7 Wire List . . . . .	13083343-19	3-9	3-48
Cable Assembly W8 Wire List . . . . .	13081971-19	3-9	3-50
Cable Assembly W9 Wire Diagram . . . . .	13083345-19	3-9	3-53
Cable Assembly W10 Wire List . . . . .	13083336-49	3-9	3-53
Cable Assembly W11 Wire List . . . . .	13083336-59	3-9	3-54
Cable Assembly W12 Wire List . . . . .	13081972-19	3-9	3-55
Cable Assembly W13 Wire Diagram . . . . .	13081454-19	3-9	3-56
Cable Assembly W14 Wire List . . . . .	13081482-19	3-9	3-57
Cable Assembly W15 Wire Diagram . . . . .	13081477-159	3-9	3-59
Cable Assembly W16 Wire Diagram . . . . .	13081477-169	3-9	3-59
Cable Assembly W17 Wire Diagram . . . . .	13081477-179	3-9	3-59
Cable Assembly W24 Wire Diagram . . . . .	13081892-39	3-9	3-60
Cable Assembly W27 Wire List . . . . .	13081856-19	3-9	3-61
Cable Assembly W28 Wire List . . . . .	13081857-19	3-9	3-64
Cable Assembly W29 Wire List . . . . .	13081858-19	3-9	3-67
Cable Assembly W30 Wire List . . . . .	13081859-19	3-9	3-69
Cable Assembly W41 Wire Diagram . . . . .	13081477-189	3-9	3-70.1.

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3-8. GENERAL

3-8

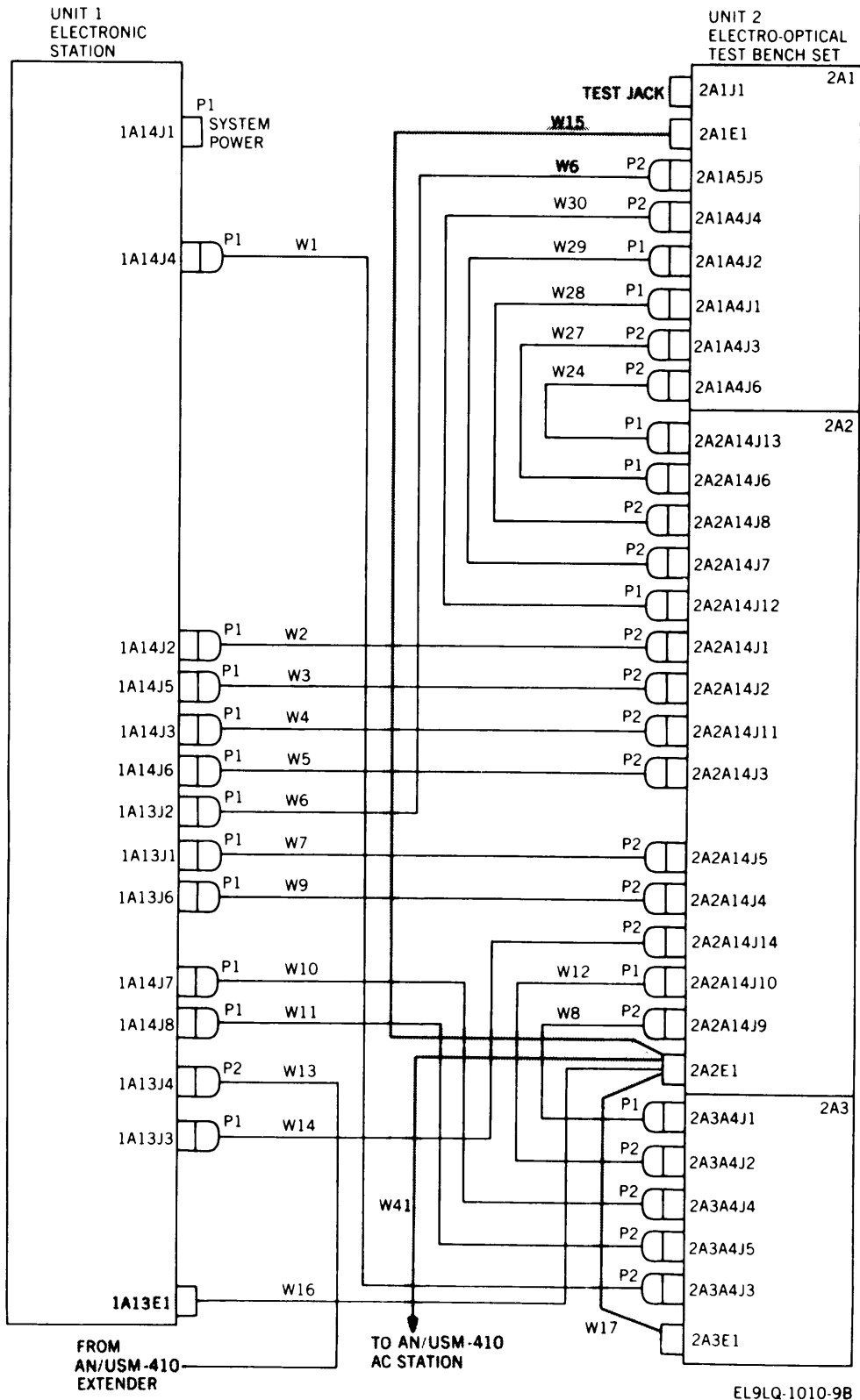
a. This section provides wiring and interconnection data for cable assemblies that connect between and within the electronic station and the electro-optical test bench set.

b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.

c. The information is presented in cable reference designator sequence. This section contains an interconnection diagram followed by cable wire list data for all interconnection cables as listed above. Simple cables are shown by diagram.

3-9. ELECTRO-OPTICAL TEST BENCH SET

INTERCONNECTION DIAGRAM



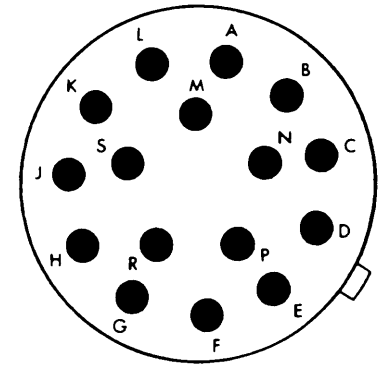
EL9LQ-1010-9B

3-9. ELECI RO-OPTICAL TEST BENCH SET (cont)

3-9

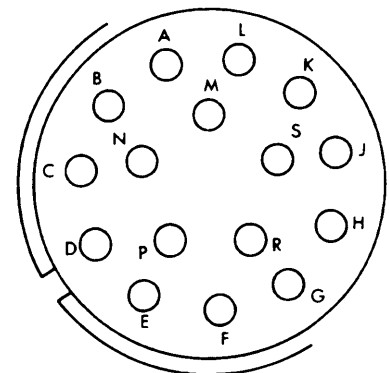
CABLE ASSEMBLY W1 HI RE LI ST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	5	18	SENSOR
P1-B	P2-B	BLK	18	SENSOR RTN
P1-C	P2-C	7	16	FAN AC
P1-D	P2-D	8	16	FAN AC RTN
P1-E	P2-E	1	16	T E DRIVE
P1-F	P2-F	2	16	T E DRIVE
P1-G	STM1	12	16	CHASSI S GND
P1-H	P2-H	3	16	DRIVE RTN
P1-J	P2-J	4	16	DRIVE RTN
P1-K	P2-K	BLK	18	SENSOR DRIVE RTN
P1-L	P2-L	6	18	SENSOR DRIVE
P1-M	P2-M	10	18	SENSOR DRIVE
P1-N	P2-N	BLK	18	SENSOR RTN
P1-P	STM3	14	16	GND
P1-R	P2-R	9	18	SENSOR
P1-S	P2-S	BLK	18	SENSOR DRIVE RTN
P2-A	P1-A	5	18	SENSOR
P2-B	P1-B	BLK	18	SENSOR RTN
P2-C	P1-C	7	16	FAN AC
P2-D	P1-D	8	16	FAN AC RTN
P2-E	P1-E	1	16	T E DRIVE
P2-F	P1-F	2	16	T E DRIVE
P2-G	STM2	13	16	CHASSI S GND
P2-H	P1-H	3	16	DRIVE RTN
P2-J	P1-J	4	16	DRIVE RTN
P2-K	P1-K	BLK	18	SENSOR DRIVE RTN
P2-L	P1-L	6	18	SENSOR DRIVE
P2-M	P1-M	10	18	SENSOR DRIVE
P2-N	P1-N	BLK	18	SENSOR RTN
P2-P	STM4	16	16	GND
P2-R	P1-R	9	18	SENSOR
P2-S	P1-s	BLK	18	SENSOR DRIVE RTN
STM1	P1-G	12	16	CHASSI S GND
STM1	STM2	11	16	CHASSI S GND
STM2	STM1	11	16	CHASSI S GND
STM2	P2-G	13	16	CHASSI S GND
STM3	P1-P	15	16	GND
STM3	STM4	18	16	GND
STM3	STM5	14	16	GND
STM4	STM3	15	16	GND
STM4	STM6	17	16	GND
STM4	P2-P	16	16	GND
STM5	STM3	18	16	GND
STM6	STM4	17	16	GND



EL9LQ-1000-31A

**P1 - PT06SE-20-16SW (SR)**



EL9LQ-1000-31A

**P2 - PT06SE-20-16SW (SR)**





3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

CABLE ASSEMBLY W2 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SIGNAL/FUNCTI ON
P2-i	P1-i	40	22	PP/S #2 PROG I
-j	P1-j	39		PP/S #2 PROG V
-k	P1-k	38		PP/S #1 PROG I
-m	P1-m	38		PP/S #1 COM
-n	P1-n	37		PP/S #3 PROG V
-p	STP26	54		PP/S #1 COM
-q	P1-q	19		SPARE
-r	P1-r	32		
-s	P1-s	30		
-t	P1-t	31		
-u	P1-u	15		SPARE
-v	STP27	55		PP/S #2 COM
-w	STP28	56		PP/S #2 COM
-x	P1-x	34		PP/S #3 COM
-y	-y	40		PP/S #2 COM
-z	-z	39		PP/S #2 COM
-AA	-AA	20		SPARE
-BB	-BB	18		
-CC	-CC	19		
-DD	-DD	15		
-EE	-EE	16		
-FF	-FF	17		
-GG	-GG	20		
P2-HH	-HH	16	SPARE	
STMA	P1-E	7	GND	
STMB	P2-E	14	GND	
STP1	P1-A	1	SPARE	
STP2	-B	2		
STP3	-C	3		
STP4	-D	4		
STP5	-Y	5		
STP6	P1-Z	6	SPARE	
STP7	P2-A	8	SHIELD	
STP8	-B	9	SHIELD	
STP9	-C	10	SHIELD	
STP10	-D	11	SHIELD	
STP11	-Y	12	SPARE	
STP12	P2-Z	13	SPARE	
STP13	P1-J	41	PP/S #3 COM	
STP14	P1-N	42	PP/S #1 COM	
STP15	P1-U	43	PP/S #2 COM	
STP16	P1-d	44	PP/S #4 COM	
STP17	P1-h	45	PP/S #2 COM	

## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

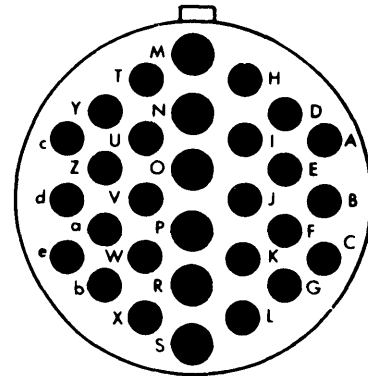
3-9

## CABLE ASSEMBLY W2 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
STP18	P1-p	46	22	PP/S #1 COM
STP19	P1-v	47	22	PP/S #2 COM
STP20	P1-w	48	22	PP/S #2 COM
STP21	P2-J	49	22	PP/S #3 COM
STP22	P2-N	50	22	PP/S #1 COM
STP23	P2-V	51	22	SPARE
STP24	P2-d	52	22	PP/S #4 COM
STP25	P2-h	53	22	PP/S #2 COM
STP26	P2-p	54	22	PP/S #1 COM
STP27	P2-v	55	22	PP/S #2 COM
STP28	P2-w	56	22	PP/S #2 COM

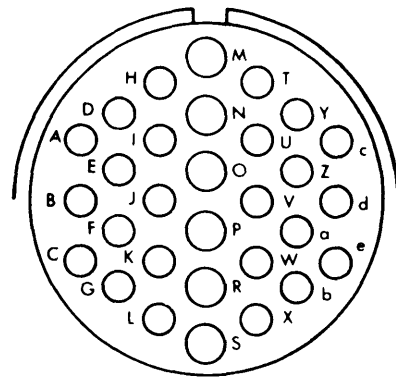
CABLE ASSEMBLY W3 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-A	P2-A	30	16	+28V GND
-B	-B	31	↑	-15V GND
-C	-C	32	↑	-15V GND
-D	-D	33	↑	+28 VDC
-E	-E	15	↑	+28V GND
-F	-F	27	↑	-15V GND
-G	-G	13	↑	-15 VDC
-H	-H	29	↑	+5 VDC
-I	-I	12	↑	+28 VDC
-J	-J	3	↑	+5V GND
-K	-K	26	↓	-15 VDC
-L	-L	6	16	-15 VDC
-M	-M	28	12	+5 VDC
-N	-N	11	↑	+5 VDC
-O	-O	10	↑	+5V GND
-P	-P	1	↑	+5V GND
-R	-R	2	↓	SPARE
-S	-S	4	12	SPARE
-T	-T	5	16	+15 VDC
-U	-U	8	↑	+15 VDC
-V	-V	7	↑	SPARE
-W	P2-W	14	↑	SPARE
-X	SHIELD	34	↑	SHIELD
-Y	P2-Y	21	↑	+15 VDC
-Z	-Z	22	↑	+15V GND
-a	-a	9	↑	SPARE
-b	-b	24	↑	SPARE
-c	-c	16	↑	+15V GND
-d	-d	18	↑	+15V GND
P1-e	P2-e	20	↑	SPARE
P2-A	P1-A	30	↑	+28V GND
-B	-B	31	↑	-15V GND
-C	-C	32	↑	-15V GND
-D	-D	33	↑	+28 VDC
-E	-E	15	↑	+28V GND
-F	-F	27	↑	-15V GND
-G	-G	13	↑	-15 VDC
-H	-H	29	↑	+5 VDC
-I	-I	12	↑	+28 VDC
-J	-J	3	↑	+5V GND
-K	-K	26	↓	-15 VDC
-L	-L	6	16	-15 VDC
P2-M	P1-M	28	12	+5 VDC



EL9LQ-1000-35

P1 - MS3106E32-8P



EL9LQ-1000-35

P2 - MS3106E32-8S



## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

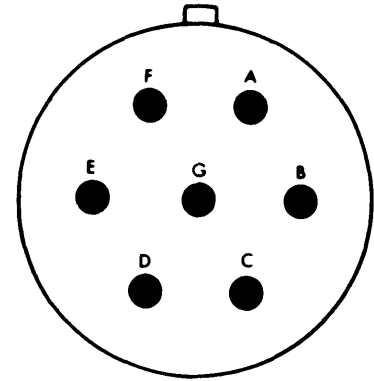
3-9

## CABLE ASSEMBLY W3 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-N	P1-N	11	12	+5 VDC
P2-O	P1-O	10	12	+5V GND
P2-P	P1-P	1	12	+5V GND
P2-R	P1-R	2	12	SPARE
P2-S	P1-S	4	12	SPARE
P2-T	P1-T	5	16	+15 VDC
P2-U	P1-U	8	16	+15 VDC
P2-V	P1-V	7	16	SPARE
P2-W	P1-W	14	16	SPARE
P2-X	SHI ELD	35	16	SHI ELD
P2-Y	P1-Y	21	16	+15 VDC
P2-Z	P1-Z	22	16	+15V GND
P2-a	P1-a	9	16	SPARE
P2-b	P1-b	24	16	SPARE
P2-c	P1-c	16	16	+15V GND
P2-d	P1-d	18	16	+15V GND
P2-e	P1-e	20	16	SPARE
SHI ELD	P1-x	34	16	SHI ELD
SHI ELD	P2-X	35	16	SHI ELD

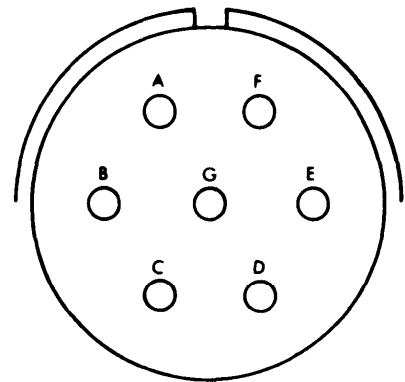
CABLE ASSEMBLY W4 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	1	12	115 VAC
P1-B	P2-B	2	12	115 VAC
P1-C	P2-C	3	12	NE UT
P1-D	P2-D	4	12	NE UT
P1-E	P2-E	5	12	CHASSI S GND
P1-F	P2-F	6	12	CHASSI S GND
P1-G	STM-1	7	20	SHI ELD
P2-A	P1-A	1	12	115 VAC
P2-B	P1-B	2	12	115 VAC
P2-C	P1-C	3	12	NE UT
P2-D	P1-D	4	12	NE UT
P2-E	P1-E	5	12	CHASSI S GND
P2-F	P1-F	6	12	CHASSI S GND
STM1	P1-G	7	20	SHI ELD



EL9LQ-1000-37

**P1 - MS3106A24-2P**



EL9LQ-1000-37

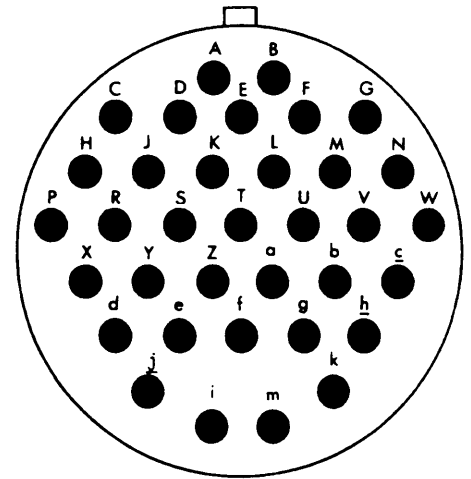
**P2 - MS3106A24-2S**

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

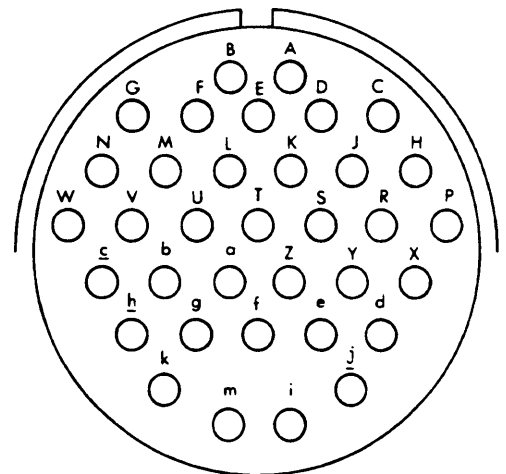
CABLE ASSEMBLY W5 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-A	STPA	3	16	SHI ELD
P1-B	P2-B	5	16	PS4 +OUT
P1-C	STPB	6	16	SHI ELD
P1-D	P2-D	8	16	PS4 -OUT
P1-E	P2-E	5	16	PS4 +OUT
P1-F	P2-F	5	16	PS4 +S
P1-G	STPF	18	16	SHI ELD
P1-H	P2-H	8	16	PS4 -OUT
P1-J	P2-J	8	16	PS4 -S
P1-K	P2-K	11	16	PS3 +OUT
P1-L	P2-L	11	16	PS3 +OUT
P1-M	P2-M	20	16	PS2 -OUT
P1-N	P2-N	20	16	PS2 -OUT
P1-P	P2-P	14	16	PS3 -OUT
P1-R	P2-R	14	16	PS3 -OUT
P1-S	P2-S	11	16	PS3 +S
P1-T	STPC	9	16	SHI ELD
P1-U	P2-U	20	16	PS2 -S
P1-V	P2-V	17	16	PS2 +OUT
P1-W	STPE	15	16	SHI ELD
P1-X	STPD	12	16	SHI ELD
P1-Y	P2-Y	14	16	PS3 -S
P1-Z	P2-Z	23	16	PS1 +OUT
P1-b	P2-b	17	16	PS2 +OUT
P1-c	P2-c	17	16	PS2 +S
P1-d	P2-d	23	16	PS1 +OUT
P1-e	P2-e	23	16	PS1 +S
P1-f	STPG	21	16	SHI ELD
P1-g	P2-g	26	16	PS1 -OUT
P1-h	PS-h	26	16	PS1 -OUT
P1-j	STM1	1	16	SHI ELD
P1-k	P2-k	26	16	PS1 -S
P1-m	STPH	24	16	SHI ELD
P2-A	STPJ	4	16	SHI ELD
P2-B	P1-B	5	16	PS4 +OUT
P2-C	STPK	7	16	SHI ELD
P2-D	P1-D	8	16	PS4 -OUT
P2-E	P1-E	5	16	PS4 +OUT
P2-F	P1-F	5	16	PS4 +S
P2-G	STPP	19	16	SHI ELD
P2-H	P1-H	8	16	PS4 -OUT
P2-J	P1-J	8	16	PS4 -S
P2-K	P1-K	11	16	PS3 +OUT



EL9LQ-1000-39A

**P1 - MS3106E28-15P**



EL9LQ-1000-39A

**P2 - MS3106E28-15S**

## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

## CABLE ASSEMBLY W5 WIRE LIST (cont)

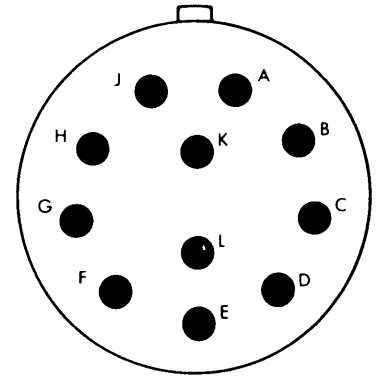
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-L	P1-L	11	16	PS3 +OUT
P2-M	P1-M	20	16	PS2 -OUT
P2-N	P1-N	20	16	PS2 -OUT
P2-P	P1-P	14	16	PS3 -OUT
P2-R	P1-R	14	16	PS3 -OUT
P2-S	P1-S	11	16	PS3 +S
P2-T	STPL	10	16	SHI ELD
P2-U	P1-U	20	16	PS2 -S
P2-V	P1-V	17	16	PS2 +OUT
P2-W	STPN	16	16	SHI ELD
P2-X	STPM	13	16	SHI ELD
P2-Y	P1-Y	14	16	PS3 -S
P2-Z	P1-Z	23	16	PS1 +OUT
P2-b	P1-b	17	16	PS2 +OUT
P2-c	P1-v	17	16	PS2 +S
P2-d	P1-f	23	16	PS1 +OUT
P2-e	P1-r	23	16	PS1 +S
P2-f	STPR	22	16	SHI ELD
P2-g	P1-g	26	16	PS1 -OUT
P2-h	P1-h	26	16	PS1 -OUT
P2-j	STM2	2	16	SHI ELD
P2-k	P1-k	26	16	PS1 -S
P2-m	STPS	25	16	SHI ELD
STM1	P1-j	1	16	SHI ELD
STM2	P2-j	2	16	SHI ELD
STPA	P1-A	3	16	SHI ELD
STPB	P1-C	6	16	SHI ELD
STPC	P1-T	9	16	SHI ELD
STPD	P1-X	12	16	SHI ELD
STPE	P1-W	15	16	SHI ELD
STPF	P1-G	18	16	SHI ELD
STPG	P1-f	21	16	SHI ELD
STPH	P1-m	24	16	SHI ELD
STPJ	P2-A	4	16	SHI ELD
STPK	P2-C	7	16	SHI ELD
STPL	P2-T	10	16	SHI ELD
STPM	P2-X	13	16	SHI ELD
STPN	P2-W	16	16	SHI ELD
STPP	P2-G	19	16	SHI ELD
STPR	P2-f	22	16	SHI ELD
STPS	P2-m	25	16	SHI ELD

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

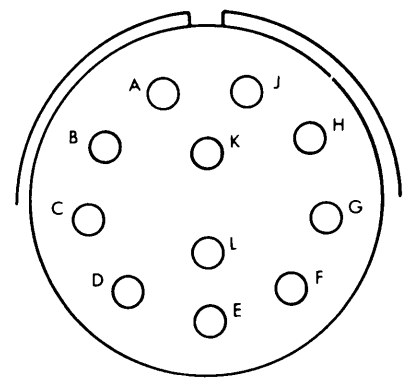
CABLE ASSEMBLY W6 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	4	16	DRI VE
P1-B	P2-B	3	16	DRI VE
P1-C	P2-C	9	16	AC FAN B
P1-D	P2-D	8	16	OVERHEAT A
P1-E	P2-E	7	16	OVERHEAT B
P1-F	P2-F	9	16	AC FAN A
P1-G	P2-G	1	16	DRI VE RTN
P1-H	P2-H	2	16	DRI VE RTN
P1-J	STMA	10	16	SHI ELD
P1-K	P2-K	5	16	SENSOR A
P1-L	P2-L	6	16	SENSOR B
P2-A	P1-A	4	16	DRI VE
P2-B	P1-B	3	16	DRI VE
P2-C	P1-C	9	16	AC FAN B
P2-D	P1-D	8	16	OVERHEAT A
P2-E	P1-E	7	16	OVERHEAT B
P2-F	P1-F	9	16	AC FAN A
P2-G	P1-G	1	16	DRI VE RTN
P2-H	P1-H	2	16	DRI VE RTN
P2-J	STMB	12	16	SHI ELD
P2-K	P1-K	5	16	SENSOR A
P2-L	P1-L	6	16	SENSOR B
STMA	P1-J	10	16	SHI ELD
STMA	STMB	11	16	SHI ELD
STMA	STP1	13	20	SHI ELD
STMB	STMA	11	16	SHI ELD
STMB	P2-J	12	16	SHI ELD
STMB	STP2	14	20	SHI ELD
STP1	STMA	13	20	SHI ELD
STP2	STMB	14	20	SHI ELD



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P1 - PT06SE-18-11P(SR)

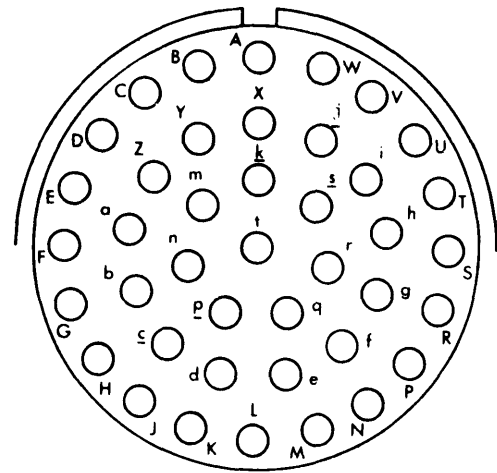


EL9LQ-1000-48

P2 - PT06SE-18-11S(SR)

CABLE ASSEMBLY W7 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-C	STM1	17	22	SHI ELD
P1-D	STP2	18	22	<u>SHI ELD</u>
P1-E	P2-E	21	22	DVCMD HI
P1-F	P2-F	21	22	DVCMD LO
P1-G	STP1	19	22	<u>SHI ELD</u>
P1-H	P2-H	20	22	DVFLG HI
P1-J	P2-J	20	22	<u>DVFLG LO</u>
P1-K	P2-K	16	22	<u>DI FIN 15</u>
P1-L	P2-L	16	22	<u>DI FIN 15</u>
P1-M	P2-M	15	22	<u>DI FIN 14</u>
P1-N	P2-N	15	22	<u>DI FIN 14</u>
P1-P	P2-P	14	22	<u>DI FIN 13</u>
P1-R	P2-R	14	22	<u>DI FIN 13</u>
P1-S	P2-S	13	22	<u>DI FIN 12</u>
P1-T	P2-T	13	22	<u>DI FIN 12</u>
P1-U	P2-U	12	22	<u>DI FIN 11</u>
P1-V	P2-V	12	22	<u>DI FIN 11</u>
P1-W	P2-W	11	22	<u>DI FIN 10</u>
P1-X	P2-X	11	22	<u>DI FIN 10</u>
P1-Y	P2-Y	10	22	<u>DI FIN 9</u>
P1-Z	P2-Z	10	22	<u>DI FIN 9</u>
P1-a	P2-a	9	22	<u>DI FIN 8</u>
P1-b	P2-b	9	22	<u>DI FIN 8</u>
P1-c	P2-c	8	22	<u>DI FIN 7</u>
P1-d	P2-d	8	22	<u>DI FIN 7</u>
P1-e	P2-e	7	22	<u>DI FIN 6</u>
P1-f	P2-f	7	22	<u>DI FIN 6</u>
P1-g	P2-g	6	22	<u>DI FIN 5</u>
P1-h	P2-h	6	22	<u>DI FIN 5</u>
P1-i	P2-i	5	22	<u>DI FIN 4</u>
P1-j	P2-j	5	22	<u>DI FIN 4</u>
P1-k	P2-k	4	22	<u>DI FIN 3</u>
P1-m	P2-m	4	22	<u>DI FIN 3</u>
P1-n	P2-n	3	22	<u>DI FIN 2</u>
P1-p	P2-p	3	22	<u>DI FIN 2</u>
P1-q	P2-q	2	22	<u>DI FIN 1</u>
P1-r	P2-r	2	22	<u>DI FIN 1</u>
P1-s	P2-s	1	22	<u>DI FIN 0</u>
P1-t	P2-t	1	22	<u>DI FIN 0</u>
P2-C	STM2	22	22	SHI ELD
P2-D	STP4	23	22	<u>SHI ELD</u>
P2-E	P1-E	21	22	DVCMD HI
P2-F	P1-F	21	22	DVCMD LO



EL9LQ-1000-40A

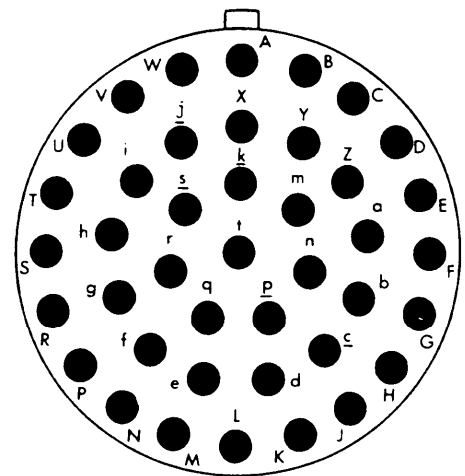
P1 - PT06SE-20-41S(SR)

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P2-G	STP3	24	22	<u>SHI ELD</u>
P2-H	P1-H	20	22	<u>DVFLG HI</u>
P2-J	P1-J	20	22	<u>DVFLG LO</u>
P2-K	P1-K	16	22	<u>DI FIN 15</u>
P2-L	P1-L	16	22	<u>DI FIN 15</u>
P2-M	P1-M	15	22	<u>DI FIN 14</u>
P2-N	P1-N	15	22	<u>DI FIN 14</u>
P2-P	P1-P	14	22	<u>DI FIN 13</u>
P2-R	P1-R	14	22	<u>DI FIN 13</u>
P2-S	P1-S	13	22	<u>DI FIN 12</u>
P2-T	P1-T	13	22	<u>DI FIN 12</u>
P2-U	P1-U	12	22	<u>DI FIN 11</u>
P2-V	P1-V	12	22	<u>DI FIN 11</u>
P2-W	P1-W	11	22	<u>DI FIN 10</u>
P2-X	P1-X	11	22	<u>DI FIN 10</u>
P2-Y	P1-Y	10	22	<u>DI FIN 9</u>
P2-Z	P1-Z	10	22	<u>DI FIN 9</u>
P2-a	P1-a	9	22	<u>DI FIN 8</u>
P2-b	P1-b	9	22	<u>DI FIN 8</u>
P2-c	P1-c	8	22	<u>DI FIN 7</u>
P2-d	P1-d	8	22	<u>DI FIN 7</u>
P2-e	P1-e	7	22	<u>DI FIN 6</u>
P2-f	P1-f	7	22	<u>DI FIN 6</u>
P2-g	P1-g	6	22	<u>DI FIN 5</u>
P2-h	P1-h	6	22	<u>DI FIN 5</u>
P2-i	P1-i	5	22	<u>DI FIN 4</u>
P2-j	P1-j	5	22	<u>DI FIN 4</u>
P2-k	P1-k	4	22	<u>DI FIN 3</u>
P2-m	P1-m	4	22	<u>DI FIN 3</u>
P2-n	P1-n	3	22	<u>DI FIN 2</u>
P2-p	P1-p	3	22	<u>DI FIN 2</u>
P2-q	P1-q	2	22	<u>DI FIN 1</u>
P2-r	P1-r	2	22	<u>DI FIN 1</u>
P2-s	P1-s	1	22	<u>DI FIN 0</u>
P2-t	P1-t	1	22	<u>DI FIN 0</u>
STM1	P1-C	17	22	SHI ELD
STM2	P2-C	22	22	SHI ELD
STP1	P1-G	19	22	SHI ELD
STP2	P1-D	18	22	SHI ELD
STP3	P2-G	24	22	SHI ELD
STP4	P2-D	23	22	SHI ELD



EL9LQ-1000-40A

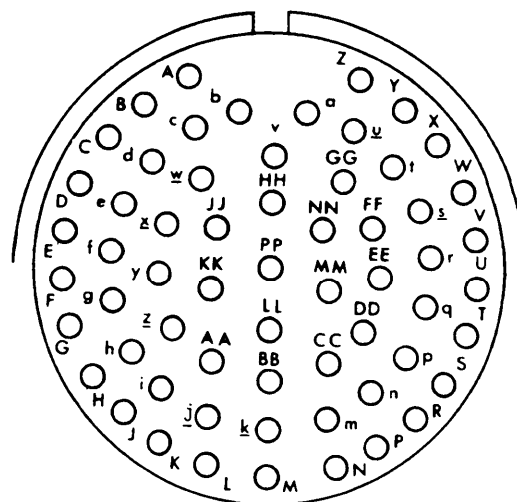
**P2 - PT06SE-20-41P (SR)**

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W8 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	35	22	SGN GND
P1-B	P2-B	38	22	SGN GND
P1-C	P2-C	42	22	SGN GND
P1-D	P2-D	41	22	+5V
P1-E	P2-E	37	22	+5V
P1-F	P2-F	39	22	INTERLOCK #1
P1-G	P2-G	40	22	INTERLOCK #2
P1-H	STM1	63	22	CABLE SHIELD CONTROL
P1-J	P2-J	44	22	-15V
P1-K	P2-K	43	22	+15V
P1-L	P2-L	34	22	+5V
P1-M	P2-M	59	22	SPARE
P1-N	P2-N	36	22	IR SOURCE #3
P1-P	P2-P	56	22	SPARE
P1-R	P2-R	55	22	SPARE
P1-S	P2-S	20	22	IR BORESIGHT IV
P1-T	P2-T	19	22	IR BORESIGHT III
P1-U	P2-U	18	22	IR BORESIGHT II
P1-v	P2-V	17	22	IR BORESIGHT I
P1-W	P2-W	48	22	SPARE
P1-X	P2-X	46	22	IR SHUTTER CLOSED
P1-Y	P2-Y	45	22	SPARE
P1-z	P2-Z	32	22	SPARE
P1-a	P2-a	33	22	IR SHUTTER OPEN
P1-b	P2-b	31	22	SIG
P1-c	P2-c	29	22	SI 1
P1-d	P2-d	16	22	NST2 DT1
P1-e	P2-e	26	22	SH1
P1-f	P2-f	30	22	SI 2
P1-g	P2-g	52	22	SPARE
P1-h	P2-h	28	22	SHG
P1-i	P2-i	24	22	SG2
P1-j	P2-j	57	22	SPARE
P1-k	P2-k	58	22	SPARE
P1-m	P2-m	23	22	SG1
P1-n	P2-n	27	22	SH2
P1-p	P2-p	54	22	SPARE
P1-q	P2-q	11	22	NST2 GH1
P1-r	P2-r	25	22	SGG
P1-s	P2-s	49	22	SPARE
P1-t	P2-t	47	22	SPARE
P1-u	P2-u	12	22	NST2 GH2
P1-v	P2-v	51	22	SPARE



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**P1 - PT06SE-24-61S (SR)**





## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

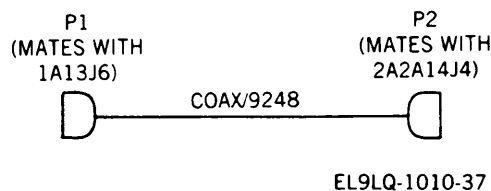
## CABLE ASSEMBLY W8 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-d	P1-d	16	22	NST2 DT1
P2-e	P1-e	26	22	SHI
P2-f	P1-f	30	22	S12
P2-g	P1-g	52	22	SPARE
P2-h	P1-h	28	22	SHG
P2-i	P1-i	24	22	SG2
P2-j	P1-j	57	22	SPARE
P2-k	P1-k	58	22	SPARE
P2-m	P1-m	23	22	SGI
P2-n	P1-n	27	22	SH2
P2-p	P1-p	54	22	<u>SPARE</u>
P2-q	P1-q	11	22	NST2 GH1
P2-r	P1-r	25	22	SGG
P2-s	P1-s	49	22	SPARE
P2-t	P1-t	47	22	<u>SPARE</u>
P2-u	P1-u	12	22	NST2 GH2
P2-v	P1-v	51	22	<u>SPARE</u>
P2-x	P1-x	7	22	NST2 D1
P2-y	P1-y	50	22	SPARE
P2-z	P1-z	53	22	<u>SPARE</u>
P2-AA	P1-AA	8	22	NST2 D2
P2-BB	P1-BB	22	22	<u>NST EN2</u>
P2-CC	P1-CC	4	22	<u>NST1 D4</u>
P2-DD	P1-DD	9	22	NST2 D3
P2-EE	P1-EE	21	22	<u>NST EN1</u>
P2-FF	P1-FF	3	22	<u>NST1 D3</u>
P2-GG	P1-GG	10	22	<u>NST2 D4</u>
P2-HH	P1-HH	14	22	<u>NST1 DT1</u>
P2-JJ	P1-JJ	2	22	<u>NST1 D2</u>
P2-KK	P1-KK	5	22	<u>NST1 GH1</u>
P2-LL	P1-LL	15	22	<u>NST2 DT0</u>
P2-MM	P1-MM	13	22	<u>NST1 DT0</u>
P2-NN	P1-NN	1	22	<u>NST1 D1</u>
P2-PP	P1-PP	6	22	NST1 GH2
STM1	P1-H	63	22	CABLE SHI ELD CONTROL
STM2	P2-H	61	22	CABLE SHI ELD CONTROL

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

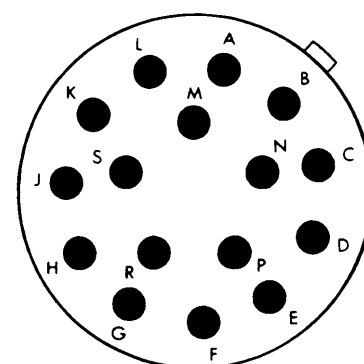
3-9

CABLE ASSEMBLY W9 WIRE DIAGRAM



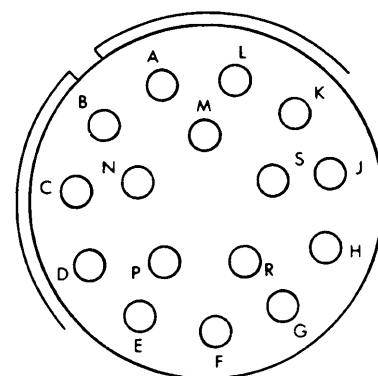
CABLE ASSEMBLY W10 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1 -A	P2-A	5	18	SENSOR
P1-B	P2-B	5	16	SENSOR RTN
P1-C	P2-C	7	16	FAN AC
P1-D	P2-D	8	16	FAN AC RTN
P1-E	P2-E	1	16	T E DRIVE
P1-F	P2-F	2	16	T E DRIVE
P1-G	STM1	12	16	CHASSI S GND
P1-H	P2-H	3	16	DRIVE RTN
P1-J	P2-J	4	16	DRIVE RTN
P1-K	P2-K	6	16	SENSOR DRIVE RTN
P1-L	P2-L	6	18	SENSOR DRIVE
P2-A	P1-A	5	18	SENSOR
P2-B	P1-B	5	16	SENSOR RTN
P2-C	P1-c	7	16	FAN AC
P2-D	P1-D	8	16	FAN AC RTN
P2-E	P1-E	1	16	T E DRIVE
P2-F	P1-F	2	16	T E DRIVE
P2-G	STM2	13	16	CHASSI S GND
P2-H	P1-H	3	16	DRIVE RTN
P2-J	P1-J	4	16	DRIVE RTN
P2-K	P1-K	6	16	SENSOR DRIVE RTN
P2-L	P1-L	6	18	SENSOR DRIVE
STM1	P1-G	12	16	CHASSI S GND
STM1	STM2	11	16	CHASSI S GND
STM1	STM7	19	16	CHASSI S GND
STM2	P2-G	13	16	CHASSI S GND
<b>STM2</b>	STM1	11	16	CHASSI S GND
STM2	STM8	20	16	CHASSI S GND
STM7	STM1	19	16	CHASSI S GND
STM8	STM2	20	16	CHASSI S GND



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**P1 - PT06SE-20-16PX (SR)**

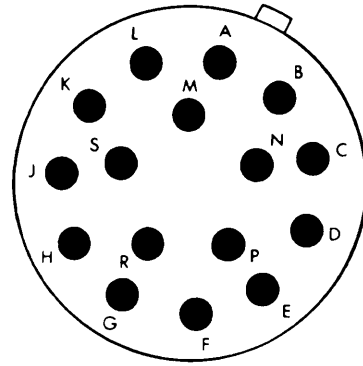


EL9LQ-1000-132

**P2 - MS3476L20-16SX**

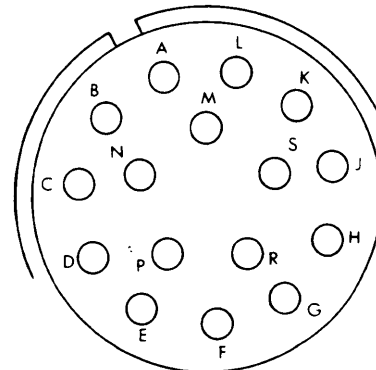
CABLE ASSEMBLY W11 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	5	18	SENSOR
P1-B	P2-B	5	16	SENSOR RTN
P1-C	P2-C	7	16	FAN AC
P1-D	P2-D	8	16	FAN AC RTN
P1-E	P2-E	1	16	T E DRIVE
P1-F	P2-F	2	16	T E DRIVE
P1-G	STM1	12	16	CHASSI S GND
P1-H	P2-H	3	16	DRI VE RTN
P1-J	P2-J	4	16	DRI VE RTN
P1-K	P2-K	6	16	SENSOR DRI VE RTN
P1-L	P2-L	6	18	SENSOR DRI VE
P2-A	P1-A	5	18	SENSOR
P2-B	P1-B	5	16	SENSOR RTN
P2-C	P1-c	7	16	FAN AC
P2-D	P1-D	8	16	FAN AC RTN
P2-E	P1-E	1	16	T E DRIVE
P2-F	P1-F	2	16	T E DRIVE
P2-G	STM2	13	16	CHASSI S GND
P2-H	P1-H	3	16	DRI VE RTN
P2-J	P1-J	4	16	DRI VE RTN
P2-K	P1-K	6	16	SENSOR DRI VE RTN
P2-L	P1-L	6	18	SENSOR DRI VE
STM1	P1-G	12	16	CHASSI S GND
STM1	STM2	11	16	CHASSI S GND
STM1	STM7	19	16	CHASSI S GND
STM2	P2-G	13	16	CHASSI S GND
STM2	STM1	11	16	CHASSI S GND
STM2	STM8	20	16	CHASSI S GND
STM7	STM1	19	16	CHASSI S GND
STM8	STM2	20	16	CHASSI S GND



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**P1 - PT06SE-20-16PY (SR)**



EL9LQ-1000-131

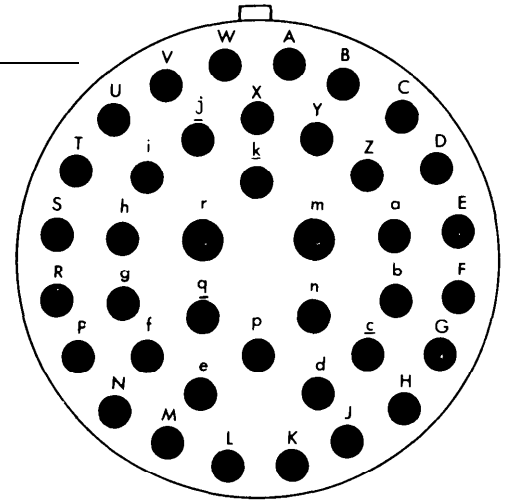
**P2 - PT06SE-20-16SY (SR)**

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

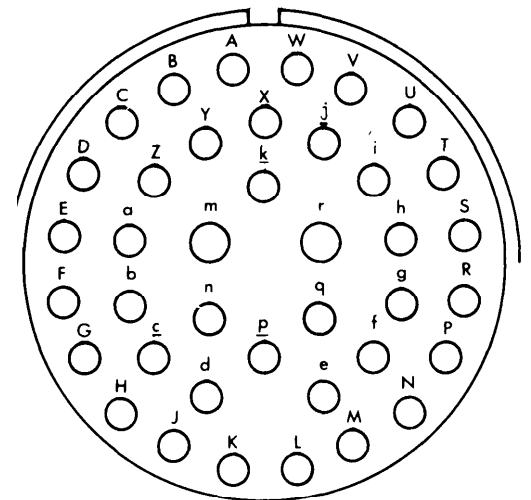
CABLE ASSEMBLY W12 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-A	P2-A	10	22	+28V
P1-B	STP1		22	CABLE SHIELD DRIVER
P1-C	P2-C	11	22	+28V
P1-D	P2-D	12	22	BORESIGHT GND
P1-E	P2-E	13	22	BORESIGHT LED
P1-F	P2-F	14	22	BORESIGHT LED GND
P1-G	P2-G	16	22	SPARE
P1-H	P2-H	17	22	SPARE
P1-J	P2-J	18	22	SPARE
P1-K	P2-K	19	22	SPARE
P1-L	P2-L	20	22	SPARE
P1-N	P2-N	22	22	SPARE
P1-P	P2-P	23	22	SPARE
P1-S	P2-S	25	22	SPARE
P1-T	P2-T	26	22	SPARE
P1-U	P2-U	27	22	SPARE
P1-V	P2-V	28	22	SPARE
P1-W	P2-W	29	22	SPARE
P1-X	P2-X	9	22	IR SHUTTER
P1-Y	P2-Y	30	22	SPARE
P1-z	P2-z	31	22	SPARE
P1-a	P2-a	32	22	SPARE
P1-b	P2-b	33	22	SPARE
P1-c	P2-c	34	22	SPARE
P1-d	P2-d	35	22	SPARE
P1-e	P2-e	36	22	SPARE
P1-f	P2-f	4	22	NST Ø4
P1-g	P2-g	5	22	NST1 DT
P1-h	P2-h	3	22	NST Ø3
P1-i	P2-i	6	22	NST2 DT
P1-j	P2-j	15	22	SPARE
P1-k	P2-k	2	22	NST Ø2
P1-n	P2-n	1	22	NST Ø1
P1-p	P2-p	7	22	NTCC
P1-q	P2-q	8	22	NTCC
P2-A	P1-A	10	22	+28V
P2-B	STP2		22	CABLE SHIELD DRIVER
P2-C	P1-C	11	22	+28V
P2-D	P1-D	12	22	BORESIGHT GND
P2-E	P1-E	13	22	BORESIGHT LED
P2-F	P1-F	14	22	BORESIGHT LED GND
P2-G	P1-G	16	22	SPARE
P2-H	P1-H	17	22	SPARE



EL9LQ-1000-42A

P1 - PT06SE-20-39P(SR)



EL9LQ-1000-42A

P2 - PT06SE-20-39S(SR)

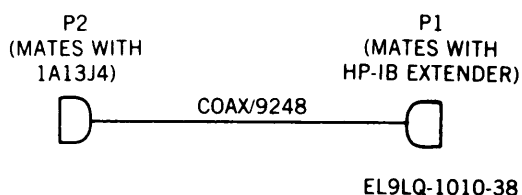
3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W12 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-J	P1-J	18	22	SPARE
P2-K	P1-K	19	22	SPARE
P2-L	P1-L	20	22	SPARE
P2-N	P1-N	22	22	SPARE
P2-P	P1-P	23	22	SPARE
P2-S	P1-S	25	22	SPARE
P2-T	P1-T	26	22	SPARE
P2-U	P1-U	27	22	SPARE
P2-V	P1-V	28	22	SPARE
P2-W	P1-W	29	22	SPARE
P2-X	P1-X	9	22	I R SHUTTER
P2-Y	P1-Y	30	22	SPARE
P2-Z	P1-Z	31	22	SPARE
P2-a	P1-a	32	22	SPARE
P2-b	P1-b	33	22	SPARE
P2-c	P1-c	34	22	SPARE
P2-d	P1-d	35	22	SPARE
P2-e	P1-e	36	22	SPARE
P2-f	P1-f	4	22	NST 04
P2-g	P1-g	5	22	NST1 DT
P2-h	P1-h	3	22	NST 03
P2-i	P1-i	6	22	NST2 DT
P2-j	P1-j	15	22	SPARE
P2-k	P1-k	2	22	NST 02
P2-n	P1-n	1	22	NST 01
P2-p	P1-p	7	22	NTCC
P2-q	P1-q	8	22	NTCC
SHI ELD	STP1	37	22	SHI ELD
SHI ELD	STP2	39	22	SHI ELD
STP1	P1-B		22	CABLE SHI ELD DRI VER
STP1	SHI ELD	37	22	SHI ELD
STP2	P2-B		22	CABLE SHI ELD DRI VER
STP2	SHI ELD	39	22	SHI ELD

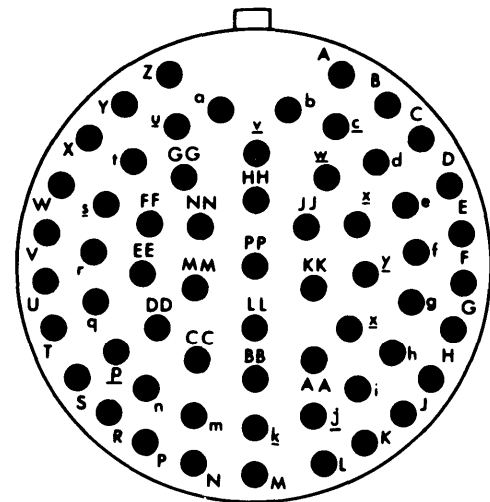
CABLE ASSEMBLY W13 WIRE DIAGRAM



3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

CABLE ASSEMBLY W14 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	STP1	23	22	SHIELD
P1-P	STM1	21	22	SHIELD
P1-R	STP4	26	22	SHIELD
P1-S	P2-S	20	22	CNT 3
P1-T	P2-T	20	22	CNT 3
P1-U	P2-U	19	22	CNT 2
P1-V	P2-V	19	22	CNT 2
P1-W	P2-W	18	22	CNT 1
P1-X	P2-X	18	22	CNT 1
P1-Y	P2-Y	17	22	CNT 0
P1-Z	P2-Z	17	22	CNT 0
P1-a	P2-a	16	22	GND
P1-b	P2-b	16	22	OUT 15
P1-c	P2-c	15	22	GND
P1-d	P2-d	15	22	OUT 14
P1-e	P2-e	14	22	GND
P1-f	P2-f	14	22	OUT 13
P1-g	P2-g	13	22	GND
P1-h	P2-h	13	22	OUT 12
P1-i	P2-i	12	22	GND
P1-j	P2-j	12	22	OUT 11
P1-k	P2-k	11	22	GND
P1-m	P2-m	11	22	OUT 10
P1-n	P2-n	10	22	GND
P1-p	P2-p	10	22	OUT 9
P1-q	P2-q	9	22	GND
P1-r	P2-r	9	22	OUT 8
P1-s	STP3	25	22	SHIELD
P1-t	STP2	24	22	SHIELD
P1-u	P2-u	7	22	GND
P1-v	P2-v	7	22	OUT 6
P1-w	P2-w	6	22	GND
P1-x	P2-x	6	22	OUT 5
P1-y	P2-y	5	22	GND
P1-z	P2-a	5	22	OUT 4
P1-AA	P2-AA	4	22	GND
P1-BB	P2-BB	4	22	OUT 3
P1-CC	P2-CC	3	22	GND
P1-DD	P2-DD	3	22	OUT 2
P1-EE	P2-EE	2	22	GND
P1-FF	P2-FF	2	22	OUT 1
P1-GG	P2-GG	1	22	GND
P1-HH	P2-HH	1	22	OUT 0
P1-MM	P2-MM	8	22	GND
P1-NN	P2-NN	8	22	OUT 7



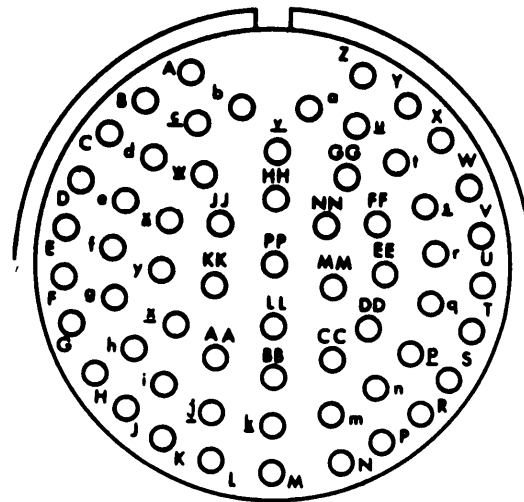
EL9LQ-1000-41A

P1 - MS27467T25B61P

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

CABLE ASSEMBLY W14 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-A	STP5	27	22	SHIELD
P2-P	STM2	22	22	SHIELD
P2-R	STP8	30	22	SHIELD
P2-S	P1-S	20	22	CNT 3
P2-T	P1-T	20	22	CNT 3
P2-U	P1-U	19	22	CNT 2
P2-V	P1-V	19	22	CNT 2
P2-W	P1-W	18	22	CNT 1
P2-X	P1-X	18	22	CNT 1
P2-Y	P1-Y	17	22	CNT 0
P2-Z	P1-Z	17	22	CNT 0
P2-a	P1-a	16	22	GND
P2-b	P1-b	16	22	OUT 15
P2-c	P1-c	15	22	GND
P2-d	P1-d	15	22	OUT 14
P2-e	P1-e	14	22	GND
P2-f	P1-f	14	22	OUT 13
P2-g	P1-g	13	22	GND
P2-h	P1-h	13	22	OUT 12
P2-i	P1-i	12	22	GND
P2-j	P1-j	12	22	OUT 11
P2-k	P1-k	11	22	GND
P2-m	P1-m	11	22	OUT 10
P2-n	P1-n	10	22	GND
P2-p	P1-p	10	22	OUT 9
P2-q	P1-q	9	22	GND
P2-r	P1-r	9	22	OUT 8
P2-s	STP7	29	22	SHIELD
P2-t	STP6	28	22	SHIELD
P2-u	P1-u	7	22	GND
P2-v	P1-v	7	22	OUT 6
P2-w	P1-w	6	22	GND
P2-x	P1-x	6	22	OUT 5
P2-y	P1-y	5	22	GND
P2-z	P1-z	5	22	OUT 4
P2-AA	P1-AA	4	22	GND
P2-BB	P1-BB	4	22	OUT 3
P2-CC	P1-CC	3	22	GND
P2-DD	P1-DD	3	22	OUT 2
P2-EE	P1-EE	2	22	GND
P2-FF	P1-FF	2	22	OUT 1
P2-GG	P1-GG	1	22	GND
P2-HH	P1-HH	1	22	OUT 0
P2-MM	P1-MM	8	22	GND
P2-NN	P1-NN	8	22	OUT 7



EL9LQ-1000-41A

P2 - MS27467T25B61S



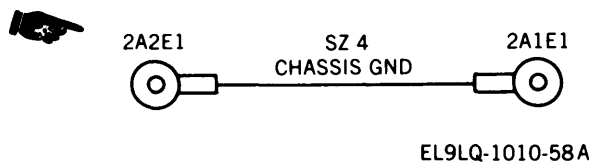
3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

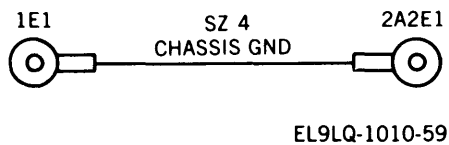
CABLE ASSEMBLY W14 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
STM1	P1-P	21	22	SHI ELD
STM2	P2-P	22	22	SHI ELD
STP1	P1-A	23	22	SHI ELD
STP2	P1-t	24	22	SHI ELD
STP3	P1-s	25	22	SHI ELD
STP4	P1-R	26	22	SHI ELD
STP5	P2-A	27	22	SHI ELD
STP6	P2-t	28	22	SHI ELD
STP7	P2-S	29	22	SHI ELD
STP8	P2-R	30	22	SHI ELD

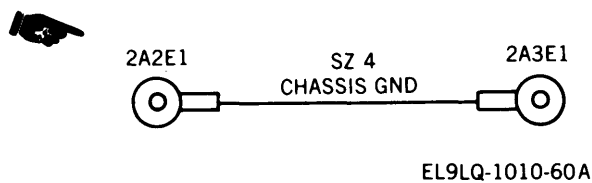
CABLE ASSEMBLY W15 WIRE DIAGRAM



CABLE ASSEMBLY W16 WIRE DIAGRAM

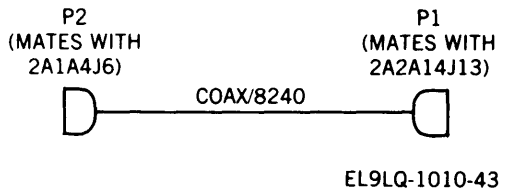


CABLE ASSEMBLY W17 WIRE DIAGRAM



CABLE ASSEMBLY W24 WIRE DIAGRAM

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## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

## CABLE ASSEMBLY W27 HI RE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-m	P1-m	17	22	<del>DSMB D3</del>
P2-n	P1-n	16	22	<del>DSMB D2</del>
P2-p	P1-p	15	22	<del>DSMB D1</del>
P2-q	P1-q	48	22	+5V
P2-r	P1-r	49	22	SGN GND
P2-s	P1-s	14	22	DST1 EN2
P2-t	P1-t	13	22	DST1 EN1
P2-u	P1-u	12	22	<del>DST1 DT1</del>
P2-v	P1-v	11	22	<del>DST1 DT0</del>
P2-w	P1-w	10	22	<del>DST1 D4</del>
P2-x	P1-x	9	22	<del>DST1 D3</del>
P2-y	P1-y	8	22	<del>DST1 D2</del>
P2-z	P1-z	7	22	<del>DST1 D1</del>
P2-AA	P1-AA	6	22	<del>DST1 GH2</del>
P2-BB	P1-BB	5	22	<del>DST1 GH1</del>
P2-CC	P1-CC	46	22	+15V
P2-DD	P1-DD	47	22	-15V
P2-EE	P1-EE	4	22	DSMA EN2
P2-FF	P1-FF	3	22	DSMA EN1
P2-GG	P1-GG	2	22	<del>DSMA D2</del>
P2-HH	P1-HH	1	22	<del>DSMA D1</del>
STP1	P1-h	54	22	ZIP SHLD

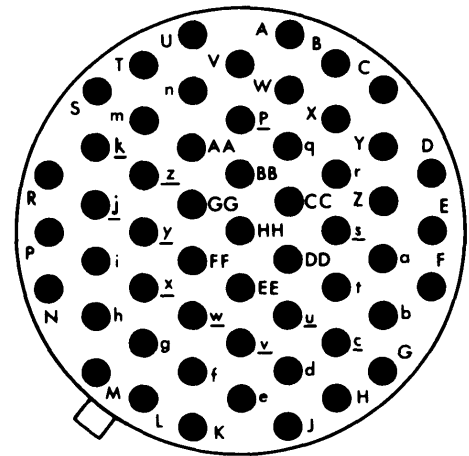


3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W28 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-x	P2-x	8	22	SBG
P1-y	P2-y	23	22	SA2
P1-z	P2-z	7	22	DOOR INTERLOCK
P1-AA	P2-AA	4	22	SGN GD
<b>P1-BB</b>	P2-BB	3	22	+5V
<b>P1-CC</b>	P2-CC	24	22	SA I
P1-DD	P2-DD	2	22	OA FILTER 1 POS 2
P1-EE	P2-EE	22	22	SAG
P1-FF	P2-FF	1	22	OA FILTER 1 POS 1
P1-GG	P2-GG	5	22	OA SHUTTER CLOSED
P1-HH	P2-HH	6	22	OA SHUTTER OPEN
P2-A	STPA	55	22	ZIP SHLD
P2-B	P1-B	39	22	DC FLASH PWR
P2-C	P1-c	40	22	DC FLASH PWR
P2-D	P1-D	41	22	DC FLASH RTN
P2-E	P1-E	42	22	DC FLASH RTN
P2-F	P1-F	43	22	DC T LAMP
P2-G	P1-G	44	22	DC T LAMP
P2-H	P1-H	45	22	LAMP RTN
P2-J	P1-J	46	22	LAMP RTN
P2-K	P1-K	47	22	FILTER INTERLOCK
P2-L	P1-L	48	22	SPARE
P2-M	P1-M	49	22	SPARE
P2-N	P1-N	50	22	SPARE
P2-P	P1-P	51	22	SPARE
P2-R	P1-R	52	22	S PARE
P2-S	P1-S	53	22	SPARE
P2-T	P1-T	54	22	SPARE
P2-V	P1-V	37	22	SGN GND
P2-W	P1-W	36	22	+5V
P2-X	P1-X	35	22	I NTERLOCK #2
P2-Y	P1-Y	34	22	I NTERLOCK #1
P2-Z	P1-Z	33	22	SWI TCH
P2-a	P1-a	19	22	PMT FI LTER V
P2-b	P1-b	32	22	ARM #2
P2-c	P1-c	31	22	ARM #1
P2-d	P1-d	30	22	SHI ELD SENSOR #2
P2-e	P1-e	29	22	SHI ELD SENSOR #1
P2-f	P1-f	28	22	ATTEN SENSOR #2
P2-g	P1-g	27	22	ATTEN SENSOR #1
P2-h	P1-h	26	22	CARRI AGE SENSOR #2
P2-i	P1-i	25	22	CARRI AGE SENSOR #1
P2-j	P1-j	21	22	+15V



EL9LQ-1000-16A

**P2-PT06SE-22-55PX (SR)**

## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

## CABLE ASSEMBLY W28 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-k	P1-k	20	22	-15V
P2-m	P1-m	14	22	OSAF EN2
P2-n	P1-n	13	22	OSAF EN1
P2-p	P1-p	11	22	<del>OSAF DI</del>
P2-q	P1-q	12	22	OSAF D2
P2-r	P1-r	18	22	PMT FILTER IV
P2-s	P1-s	17	22	PMT FILTER III
P2-t	P1-t	16	22	PMT FILTER II
P2-u	P1-u	15	22	PMT FILTER I
<b>P2-v</b>	P1-v	9	22	SB2
<b>P2-w</b>	P1-w	10	22	SBI
P2-x	P1-x	8	22	SBG
P2-y	P1-y	23	22	SA2
P2-z	P1-z	7	22	DOOR INTERLOCK
P2-AA	P1-AA	4	22	SGN GND
P2-BB	P1-BB	3	22	+5V
P2-CC	P1-CC	24	22	SAI
P2-DD	P1-DD	2	22	OA FILTER 1 POS 2
P2-EE	P1-EE	22	22	SAG
P2-FF	P1-FF	1	22	OA FILTER 1 POS 1
P2-GG	P1-GG	5	22	OA SHUTTER CLOSED
P2-HH	P1-HH	6	22	OA SHUTTER OPEN
STPA	P2-A	55	22	ZIP SHLD
STPB	P1-A	38	22	ZIP SHLD

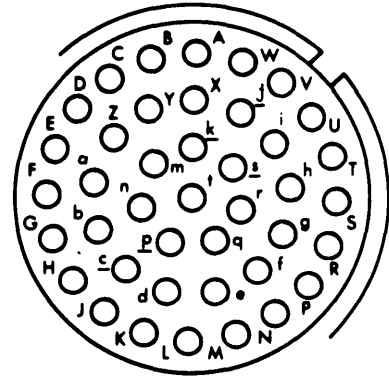


3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W29 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-A	4	22	+15V
P1-B	P2-B	3	22	+28V
P1-c	P2-C	34	22	PWR GND
P1-D	P2-D	33	22	+28V
P1-E	STPA	35	22	ZIP SHLD
P1-F	P2-F	36	22	SPARE
P1-G	P2-G	37	22	SPARE
P1-H	P2-H	38	22	SPARE
P1-J	P2-J	39	22	SPARE
P1-K	P2-K	40	22	GAP MTHV
P1-L	P2-L	11	22	<del>DST1 01</del>
P1-M	P2-M	31	22	<del>DSMB 03</del>
P1-N	P2-N	32	22	<del>DSMB 04</del>
P1-P	P2-P	30	22	<del>DSMB 02</del>
P1-R	P2-R	25	22	<del>DSFA 01</del>
P1-S	P2-S	29	22	<del>DSMB 01</del>
P1-T	P2-T	26	22	<del>DSFA 02</del>
P1-U	P2-U	24	22	<del>DSMA 04</del>
P1-V	P2-V	27	22	<del>DSFA 03</del>
<b>P1-W</b>	P2-W	23	22	<del>DSMA 03</del>
P1-X	P2-X	28	22	<del>DSFA 04</del>
P1-Y	P2-Y	22	22	<del>DSMA 02</del>
P1-Z	P2-Z	10	22	<del>OSAF 04</del>
P1-a	P2-a	9	22	<del>OSAF 03</del>
P1-b	P2-b	8	22	<del>OSAF 02</del>
P1-c	P2-c	7	22	<del>OSAF 01</del>
P1-d	P2-d	41	22	SPARE
P1-e	P2-e	16	22	<del>DSFC 01</del>
P1-f	P2-f	17	22	<del>DSFC 02</del>
P1-g	P2-g	21	22	<del>DSMA 01</del>
P1-h	P2-h	18	22	<del>DSFC 03</del>
P1-i	P2-i	15	22	<del>DST 04</del>
P1-j	P2-j	19	22	<del>DSFC 04</del>
P1-k	P2-k	14	22	<del>DST 03</del>
P1-m	P2-m	6	22	OA SHUTTER
P1-n	P2-n	13	22	<del>DST 02</del>
P1-p	P2-p	2	22	OA FILTER 1
P1-q	P2-q	12	22	<del>DST 01</del>
P1-r	P2-r	5	22	PWR GND
P1-s	P2-s	1	22	OA TEST SOURCE
P1-t	P2-t	20	22	DC SHUTTER OPEN
P2-A	P1-A	4	22	+15V



EL9LQ-1000-45B

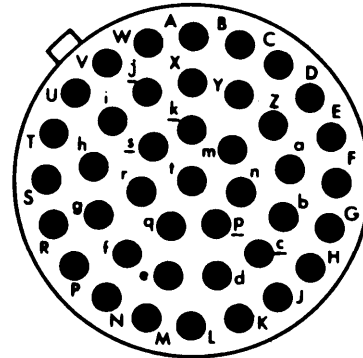
P1-PT06SE-20-41SW (SR)

3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

CABLE ASSEMBLY W29 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-B	P1-B	3	22	+28V
P2-C	P1-C	34	22	PWR GND
P2-D	P1-D	33	22	+28V
P2-E	STPB	42	22	ZIP SHLD
P2-F	P1-F	36	22	SPARE
P2-G	P1-G	37	22	SPARE
P2-H	P1-H	38	22	SPARE
P2-J	P1-J	39	22	SPARE
P2-K	P1-K	40	22	GAP MTHV
P2-L	P1-L	11	22	<del>DSTI 01</del>
P2-M	P1-M	31	22	<del>DSMB 03</del>
P2-N	P1-N	32	22	<del>DSMB 04</del>
P2-P	P1-P	30	22	<del>DSMB 02</del>
P2-R	P1-R	25	22	<del>DSFA 01</del>
P2-S	P1-s	29	22	<del>DSMB 01</del>
P2-T	P1-T	26	22	<del>DSFA 02</del>
P2-U	P1-u	24	22	<del>DSMA 04</del>
P2-V	P1-v	27	22	<del>DSFA 03</del>
P2-W	P1-w	23	22	<del>DSMA 03</del>
P2-X	P1-x	28	22	<del>DSFA 04</del>
P2-Y	P1-Y	22	22	<del>DSMA 02</del>
P2-Z	P1-z	10	22	<del>OSAF 04</del>
P2-a	P1-a	9	22	<del>OSAF 03</del>
P2-b	P1-b	8	22	<del>OSAF 02</del>
P2-c	P1-c	7	22	<del>OSAF 01</del>
P2-d	P1-d	41	22	SPARE
P2-e	P1-e	16	22	<del>DSFC 01</del>
P2-f	P1-f	17	22	<del>DSFC 02</del>
P2-g	P1-g	21	22	<del>DSMA 01</del>
P2-h	P1-h	18	22	<del>DSFC 03</del>
P2-i	P1-i	15	22	<del>DST 04</del>
P2-j	P1-j	19	22	<del>DSFC 04</del>
P2-k	P1-k	14	22	<del>DST 03</del>
P2-m	P1-m	6	22	OA SHUTTER
P2-n	P1-n	13	22	<del>DST 02</del>
P2-p	P1-p	2	22	OA FILTER 1
P2-q	P1-q	12	22	<del>DST 01</del>
P2-r	P1-r	5	22	PWR GND
P2-s	P1-s	1	22	OA TEST SOURCE
P2-t	P1-t	20	22	DC SHUTTER OPEN
STPA	P1-E	35	22	ZIP SHLD
STPB	P2-E	42	22	ZIP SHLD



EL9LQ-1000-45B

P2-PT06SE-20-41PW (SR)

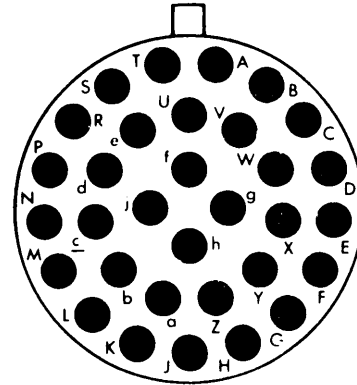


3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

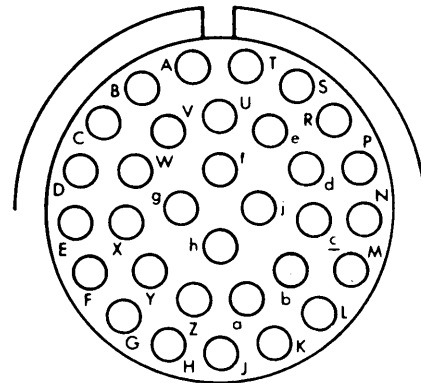
CABLE ASSEMBLY W30 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	STM3	31	22	SHI ELD
P1-B	P2-B	22	22	SPARE
P1-C	P2-C	21	22	SPARE
P1-D	P2-D	20	22	SPARE
P1-E	P2-E	19	22	SPARE
P1-F	P2-F	18	22	SPARE
P1-G	P2-G	17	22	SPARE
P1-H	P2-H	16	22	SPARE
P1-J	P2-J	15	22	VED
P1-K	P2-K	14	22	VEE
P1-L	STM1	29	22	SHI ELD
P1-M	P2-M	5	22	CH2 RTN
P1-N	P2-N	5	22	CH2 VI DEO
P1-P	P2-P	13	22	-12V
P1-R	P2-R	4	22	CH1 RTN
P1-S	P2-S	4	22	CH1 VI DEO
P1-T	P2-T	12	22	+12V
P1-U	P2-U	11	22	H DATA
P1-V	P2-V	10	22	ALC VI DEO
P1-W	P2-W	9	22	ROW VG
P1-X	P2-X	8	22	V DATA
P1-Y	P2-Y	7	22	V Ø2
P1-Z	P2-Z	6	22	V Ø1
P1-a	P2-a	3	22	HØ COMPOSITE
P1-b	STP5	27	22	SHI ELD
P1-c	P2-c	3	22	HØ COMP RTN
P1-d	STP3	25	22	SHI ELD
P1-e	P2-e	2	22	RTN
P1-f	P2-f	2	22	+5V
P1-g	STP1	23	22	SHI ELD
P1-h	P2-h	1	22	ALC RTN
P1-j	P2-j	1	22	ALC +12V
P2-A	STM4	32	22	SHI ELD
P2-B	P1-B	22	22	SPARE
P2-C	P1-c	21	22	SPARE
P2-D	P1-D	20	22	SPARE
P2-E	P1-E	19	22	SPARE
P2-F	P1-F	18	22	SPARE
P2-G	P1-G	17	22	SPARE
P2-H	P1-H	16	22	SPARE
P2-J	P1-J	15	22	VED
P2-K	P1-K	14	22	VEE
P2-L	STM2	30	22	SHI ELD



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P1-PT06SE-18-32P (SR)



EL9LQ-1000-46

P2-PT06SE-18-32S (SR)

## 3-9. ELECTRO-OPTICAL TEST BENCH SET (cont)

3-9

## CABLE ASSEMBLY W30 HI RE LIST (cont)

FROM	To	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-M	P1-M	5	22	CH2 RTN
P2-N	P1-N	5	22	CH2 VI DEO
P2-P	P1-P	13	22	-12V
P2-R	P1-R	4	22	CH1 RTN
P2-S	P1-S	4	22	CH1 VI DEO
P2-T	P1-T	12	22	+12V
P2-U	P1-U	11	22	H DATA
P2-V	P1-V	10	22	ALC VI DEO
P2-W	P1-W	9	22	ROW VG
P2-X	P1-X	8	22	V DATA
P2-Y	P1-Y	7	22	V Ø2
P2-Z	P1-Z	6	22	V Ø1
P2-a	P1-a	3	22	HØ COMPOSI TE
P2-b	STP6	28	22	SHI ELD
P2-c	P1-c	3	22	HØ COMPOSI TE
P2-d	STP4	26	22	SHI ELD
P2-e	P1-e	2	22	RTN
P2-f	P1-f	2	22	+5V
P2-g	STP2	24	22	SHI ELD
P2-h	P1-h	1	22	ALC RTN
P2-j	P1-j	1	22	ALC +12V
STM1	P1-L	29	22	SHI ELD
STM1	STP7	33	22	SHI ELD
STM1	STP8	34	22	SHI ELD
STM2	P2-L	30	22	SHI ELD
STM2	STP9	35	22	SHI ELD
STM2	STP10	36	22	SHI ELD
STM3	P1-A	31	22	SHI ELD
STM4	P2-A	32	22	SHI ELD
STP1	P1-g	23	22	SHI ELD
STP2	P2-g	2	22	SHI ELD
STP3	P1-d	25	22	SHI ELD
STP4	P2-d	26	22	SHI ELD
STP5	P1-b	27	22	SHI ELD
STP6	P2-b	28	22	SHI ELD
STP7	STM1	33	22	SHI ELD
STP8	STM1	34	22	SHI ELD
STP9	STM2	35	22	SHI ELD
STP10	STM2	36	22	SHI ELD

Section V. DAYSIDE TEST BENCH 2A1 WIRING DATA

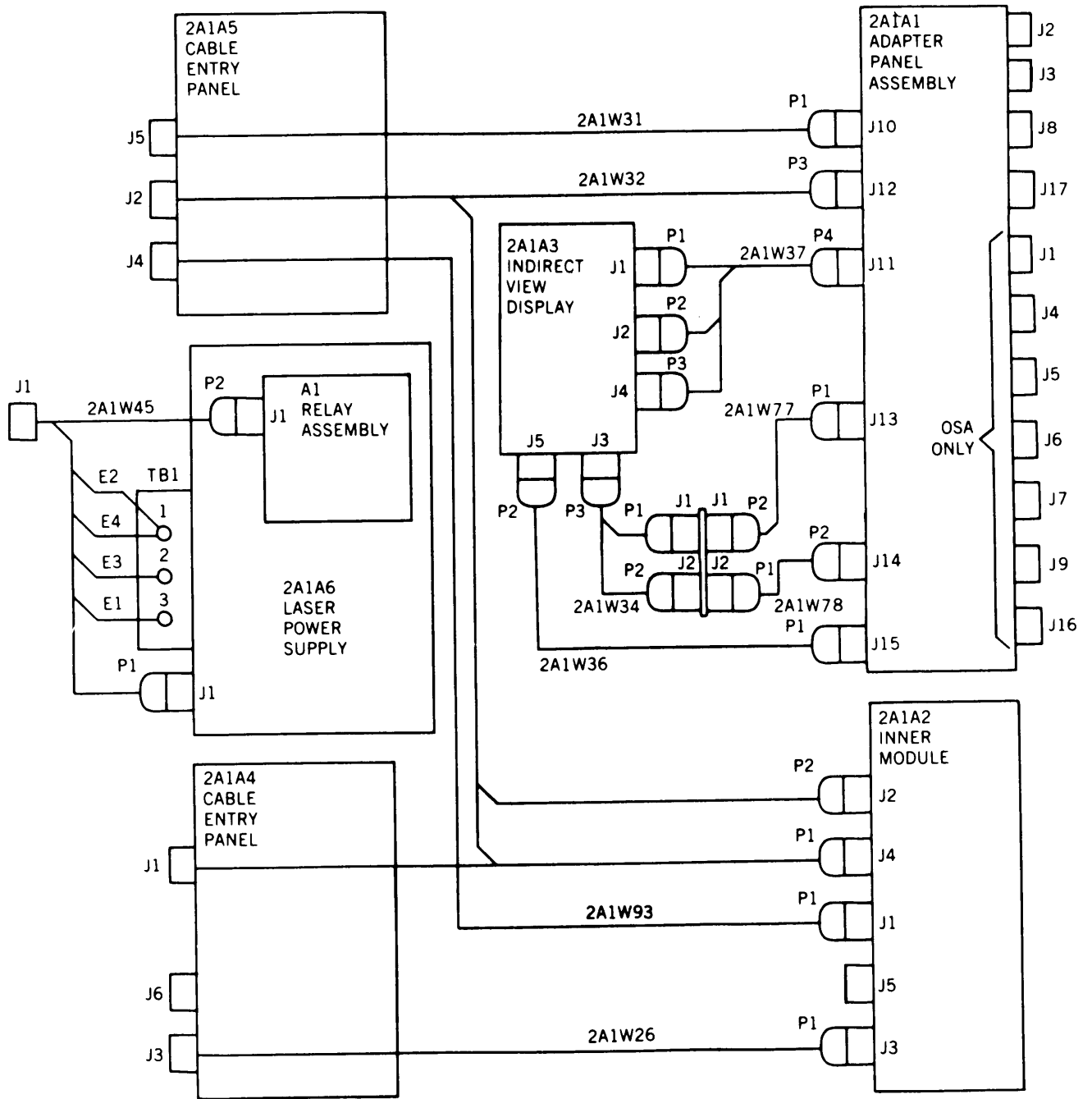
Subject	Part No.	Para	Page
General		3-10	3-72
Dayside Test Bench 2A1 Interconnection Diagram		3-11	3-73
Cable Assembly 2A1W26 Wire List	13081893	3-11	3-77
Cable Assembly 2A1W31 Wire List	13081855-19	3-11	3-80
Cable Assembly 2A1W32 Wire List	13081854	3-11	3-81
Cable Assembly 2A1W34 Wire Diagram	13231420	3-11	3-86
Cable Assembly 2A1W36 Wire Diagram	13081864	3-11	3-86
Cable Assembly 2A1W37 Wire List	13081863-39	3-11	3-91
Cable Assembly 2A1W45 Wire Diagram	13081518	3-11	3-93
Cable Assembly 2A1W77 Wire List	13231422	3-11	3-93
Cable Assembly 2A1W78 Wire List	13231422-29	3-11	3-93
Cable Assembly 2A1W93 Wire List	13081853-19	3-11	3-94
Adapter Panel Assembly/Optical Signal Analyzer 2A1A1		3-12	3-94. 2
Adapter Panel Assembly 2A1A1 Wire List		3-12	3-94. 2
Optical Signal Analyzer 2A1A1 Interconnection Diagram		3-12	3-94. 2. 8
HOD Mounting Bracket Assembly 2A1A1A4 Wire List	13083489-19	3-12	3-94. 9
Cable Assembly 2A1A1W8 Wire Diagram	13081937	3-12	3-95
Inner Module 2A1A2 Interconnection Diagram		3-13	3-124
Cable Assembly 2A1A2W1 Wire List	13082256	3-13	3-125
Cable Assembly 2A1A2W40 Wire List	13081865-19	3-13	3-130
Cable Assembly 2A1A2W47, 2A1A2W51, 2A1A2W52, and 2A1A2W53 Wire List	13082263-59 13082263-99 13082263-109 13082263-49	3-13	3-138
Cable Assembly 2A1A2W54 and 2A1A2W55 Wire List	13081588-39 13081588-49	3-13	3-138
Cable Assembly 2A1A2W91 Wire List	13081860-19	3-13	3-138. 1
Cable Assembly 2A1A2W95 Wire Diagram	13231760	3-13	3-138. 1
Optics Assembly 2A1A2A1 Interconnection Diagram		3-14	3-139
Cable Assembly 2A1A2A1W48, 2A1A2A1W49, and 2A1A2A1W50 Wire List	13082263-69 13082263-79 13082263-89	3-14	3-139

Subject	Part No.	Para	Page
Shutter Assembly 2A1A2A2 Interconnection Diagram . . . . .		3-16	3-142
Cable Assembly 2A1A2A2W2 Wire Diagram . . . . .	13082243	3-16	3-143
Cable Assembly 2A1A2A2W4 Wire List . . . . .	13082241	3-16	3-143
Radiometer Assembly 2A1A2A3 . . . . .	13081410-19	3-16.1	3-144
Cable Assembly 2A1A2A3W41, 2A1A2A3W42, . . . . .			
2A1A2A3W43, . . . . .	13081892-49	3-16.1	3-144
and 2A1A2A3W44 . . . . .	13081892-59	3-16.1	3-144
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Dayside Sensor Mount Assembly 2A1A2A4 Interconnection Diagram . . . . .		3-17	3-144
Cable Assembly 2A1A2A4W5 Wire List . . . . .	13082257	3-17	3-145
Cable Assembly 2A1A2A4W43 Wire List . . . . .	13082263-29	3-17	3-146
Cable Assembly 2A1A2A4W44 Wire List . . . . .	13082263-19	3-17	3-146
Cable Assembly 2A1A2A4W75 Wire List . . . . .	13082263	3-17	3-147
Sensor Mount Assembly 2A1A2A4A10 Interconnection Diagram . . . . .		3-18	3-148
Cable Assembly 2A1A2A4A10W14 Wire List . . . . .	13082261	3-18	3-148
Filter Wheel Motor Assembly 2A1A2A10 Interconnection Diagram . . . . .		3-19	3-149
Cable Assembly 2A1A2A10W46 Wire List . . . . .	13082264	3-19	3-149
Lampholder Assembly 2A1A2A11 Interconnection Diagram . . . . .		3-20	3-150
Cable Assembly 2A1A21 Wire List . . . . .	13082266	3-20	3-150
Laser Protective Cover Assembly 2A1A2A19 . . . . .	13083360-39	3-20.1	3-150.1

3-10. GENERAL

- a. This section provides wiring and interconnection data for cable assemblies that connect within the dayside test bench.
- b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.
- c. The information is presented in cable reference designator sequence. Each paragraph contains an interconnection diagram followed by cable wire list data for all cables of that unit, assembly, or subassembly as listed above. Simple cables are shown by diagram.
- d. For the detailed dayside test bench 2A1 interconnection diagram, refer to F0-37.

INTERCONNECTION DIAGRAM



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3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

CABLE ASSEMBLY 2A1W26 WIRE LIST (cont)

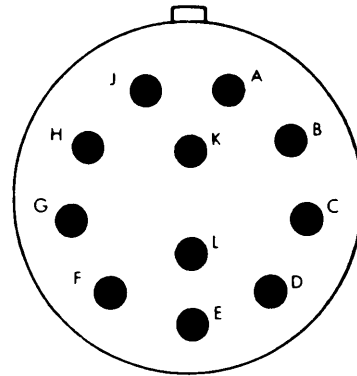
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-j	J3-j	19	22	DSMB EN2
P1-k	J3-k	18	22	<u>DSMB EN1</u>
P1-m	J3-m	17	22	<u>DSMB D3</u>
P1-n	J3-n	16	22	<u>DSMB D2</u>
P1-p	J3-p	15	22	DSMB D1
P1-q	J3-q	48	22	+5V
P1-r	J3-r	49	22	SGN GND
P1-s	J3-s	14	22	DST1 EN2
P1-t	J3-t	13	22	<u>DST1 EN1</u>
P1-u	J3-u	12	22	<u>DST1 DT1</u>
P1-v	J3-v	11	22	<u>DST1 DTO</u>
P1-w	J3-w	10	22	<u>DST1 D4</u>
P1-x	J3-x	9	22	<u>DST1 D3</u>
P1-y	J3-y	8	22	<u>DST1 D2</u>
P1-z	J3-z	7	22	<u>DST1 D1</u>
P1-AA	J3-AA	6	22	<u>DST1 GH2</u>
P1-BB	J3-BB	5	22	DST1 GH1
P1-CC	J3-CC	46	22	+15V
P1-DD	J3-DD	47	22	-15V
P1-EE	J3-EE	4	22	DSMA EN2
P1-FF	J3-FF	3	22	<u>DSMA EN1</u>
P1-GG	J3-GG	2	22	<u>DSMA D2</u>
P1-HH	J3-HH	1	22	DSMA D1

**3-11. DAYSIDE TEST BENCH 2A1 (cont)**

**3-11**

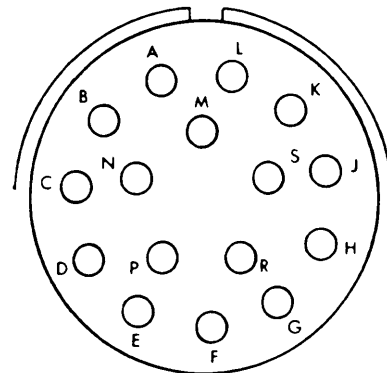
**CABLE ASSEMBLY 2A1W31 WIRE LIST**

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J5-A	P1-A	1	16	DRIVE
J5-B	P1-B	2	16	DRIVE
J5-C	P1-c	3	16	AC FAN-B
J5-D	P1-D	4	16	OVERHEAT-A
J5-E	P1-E	5	16	OVERHEAT-B
J5-F	P1-F	3	16	AC FAN-A
J5-G	P1-G	7	16	DRIVE RTN
J5-H	P1-H	8	16	DRIVE RTN
J5-J	STM1	11	16	CHASSI S GND
J5-K	P1-K	9	16	SENSOR-A
J5-L	P1-L	10	16	SENSOR-B
P1-A	J5-A	1	16	DRIVE
P1-B	J5-B	2	16	DRIVE
P1-c	J5-C	3	16	AC FAN-B
P1-D	J5-D	4	16	OVERHEAT-A
P1-E	J5-E	5	16	OVERHEAT-B
P1-F	J5-F	3	16	AC FAN-A
P1-G	J5-G	7	16	DRIVE RTN
P1-H	J5-H	8	16	DRIVE RTN
P1-J	STM2	13	16	CHASSI S GND
P1-K	J5-K	9	16	SENSOR-A
P1-L	J5-L	10	16	SENSOR-B
STM1	J5-J	11	16	CHASSI S GND
STM1	STM2	12	16	CHASSI S GND
STM1	STPA	14	20	CHASSI S GND
STM2	P1-J	13	16	CHASSI S GND
STM2	STM1	12	16	CHASSI S GND
STM2	STPB	15	20	CHASSI S GND
STPA	STM1	14	20	CHASSI S GND
STPB	STM2	15	20	CHASSI S GND



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**J5 - KP28F18-11P**



EL9LQ-1000-89

**P1 - MS27467T21B16S**

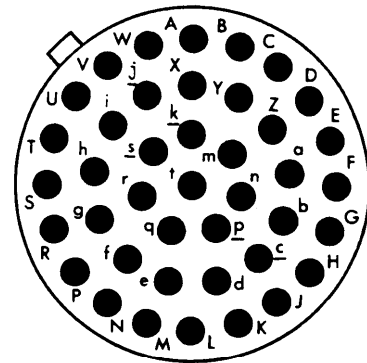


3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

CABLE ASSEMBLY 2A1W32 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-u	P3-49	17	22	PMT FILTER I
J1-v	P3-23	11	22	SB2
J1-w	P3-25	12	22	SBI
J1-x	P3-26	24	22	SBG
J1-y	P3-27	25	22	SA2
J1-z	P3-15	9	22	DOOR INTERLOCK
J1-AA	P3-2	6	22	SGN GND
J1-BB	P3-8	5	22	+5V
J1-CC	P3-29	26	22	SAI
J1-DD	P3-7	4	22	OA FILTER 1 POS 2
J1-FF	P3-6	3	22	OA FILTER 1 POS 1
J1-GG	P3-13	7	22	OA SHUTTER CLOSED
J1-HH	P3-14	8	22	OA SHUTTER OPEN
J2-A	P3-18	65	22	+15V
J2-B	P2-B	95	22	+28V
J2-C	P2-C	96	22	PWR
J2-D	P3-10	70	22	+28V
J2-E	P2-E	98	22	ZIP SHIELD
J2-F	P2-F	99	22	SPARE
J2-G	P2-G	100	22	SPARE
J2-H	P2-H	101	22	SPARE
J2-J	P3-9	71	22	SPARE
J2-K	P3-16	72	22	OA PMT HV
J2-L	P2-L	73	22	DST1 DT
J2-M	P2-M	93	22	DSMB Ø3
J2-N	P2-N	94	22	DSMB Ø4
J2-P	P2-P	92	22	DSMB Ø2
J2-R	P2-R	87	22	DSFA Ø1
J2-S	P2-S	91	22	DSMB Ø1
J2-T	P2-T	88	22	DSFA Ø2
J2-U	P2-U	86	22	DSMA Ø4
J2-V	P2-V	89	22	DSFA Ø3
J2-W	P2-W	85	22	DSMA Ø3
J2-X	P2-X	90	22	DSFA Ø4
J2-Y	P2-Y	84	22	DSMA Ø2
J2-Z	P3-40	69	22	QSAF Ø4
J2-a	P3-39	68	22	QSAF Ø3
J2-b	P3-38	67	22	QSAF Ø2
J2-c	P3-37	66	22	QSAF Ø1
J2-d	P2-d	97	22	SPARE
J2-e	P2-e	78	22	DSFC Ø1



EL9LQ-1000-45B

J2-KP28F20-41PW

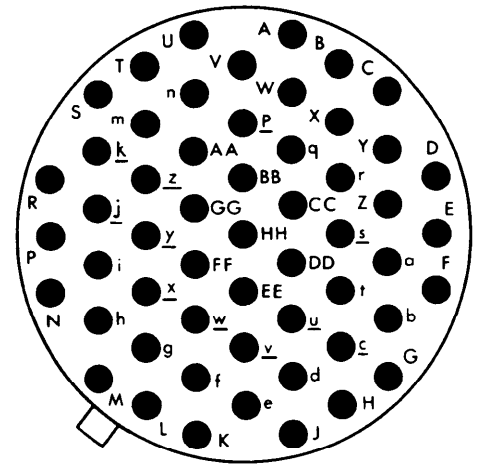


3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

CABLE ASSEMBLY 2A1W32 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J2-f	P2-f	79	22	DSFC Ø2
J2-g	P2-g	83	22	DSMA Ø1
J2-h	P2-h	80	22	DSFC Ø3
J2-i	P2-i	77	22	DST Ø4
J2-j	P2-j	81	22	DSFC Ø4
J2-k	P2-k	76	22	DST Ø3
J2-m	P3-12	64	22	SHUTTER
J2-n	P2-n	75	22	DST Ø2
J2-p	P3-5	62	22	OA FILTER 1
J2-q	P2-q	74	22	DST Ø1
J2-r	P3-11	63	22	PWR GND
J2-s	P3-1	61	22	OA TEST SOURCE
J2-t	P2-t	82	22	DC SHUTTER OPEN
PI-A	J1-A	49	22	ZIP SHIELD
PI-B	J1-B	40	22	LASER TEST/DC FLASH PWR
P1-c	J1-C	41	22	LASER TEST/DC FLASH PWR
P1-D	J1-D	42	22	LASER TEST RTN/DC FLASH
P1-E	J1-E	43	22	LASER TEST RTN/DC FLASH
P1-F	J1-F	44	22	LAMP/DCT LAMP PWR
P1-G	J1-G	45	22	LAMP/DCT LAMP PWR
P1-H	J1-H	46	22	LAMP RTN/DCT LAMP RTN
P1-J	J1-J	47	22	LAMP RTN/DCT LAMP RTN
P1-K	J1-K	48	22	FILTER INTERLOCK
P1-L	J1-L	50	22	SPARE
P1-M	J1-M	51	22	SPARE
P1-N	J1-N	52	22	SPARE
P1-P	J1-P	53	22	SPARE
P1-R	J1-R	54	22	SPARE
P1-T	J1-T	56	22	SPARE
P1-u	J1-U	57	22	SPARE
P1-V	J1-V	39	22	SGN GND
P1-w	J1-W	38	22	+5V
P1-x	J1-X	37	22	INTERLOCK #2
P1-Y	J1-Y	36	22	INTERLOCK #1
P1-z	J1-Z	35	22	SWITCH
P1-b	J1-b	34	22	ARM #2
P1-c	J1-c	33	22	ARM #1
P1-d	J1-d	32	22	SHIELD SENSOR #2
P1-e	J1-e	31	22	SHIELD SENSOR #1
P1-f	J1-f	30	22	ATTEN SENSOR #2



EL9LQ-1000-16 A

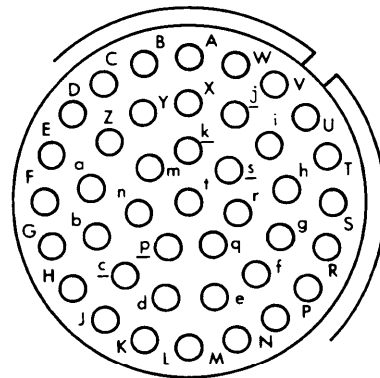
P1 - KP26F22-55PX

3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

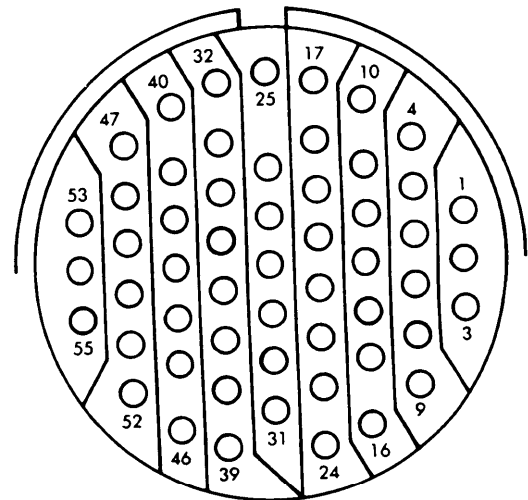
CABLE ASSEMBLY 2A1W32 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-g	J1-g	29	22	ATTEN SENSOR #1
P1-h	J1-h	28	22	CARRIAGE SENSOR #2
P1-i	J1-i	27	22	CARRIAGE SENSOR #1
P2-B	J2-B	95	22	+28V
P2-C	J2-C	96	22	PWR GND
P2-E	J2-E	98	22	ZIP SHIELD
P2-F	J2-F	99	22	SPARE
P2-G	J2-G	100	22	SPARE
P2-H	J2-H	101	22	SPARE
P2-L	J2-L	73	22	DST1 DT
P2-M	J2-M	93	22	DSMB Ø3
P2-N	J2-N	94	22	DSMB Ø4
P2-P	J2-P	92	22	DSMB Ø2
P2-R	J2-R	87	22	DSFA Ø1
P2-S	J2-S	91	22	DSMB Ø1
P2-T	J2-T	88	22	DSFA Ø2
P2-U	J2-U	86	22	DSMA Ø4
P2-V	J2-V	89	22	DSFA Ø3
P2-W	J2-W	85	22	DSMA Ø3
P2-X	J2-X	90	22	DSFA Ø4
P2-Y	J2-Y	84	22	DSMA Ø2
P2-d	J2-d	97	22	SPARE
P2-e	J2-e	78	22	DSFC Ø1
P2-f	J2-f	79	22	DSFC Ø2
P2-g	J2-g	83	22	DSMA Ø1
P2-h	J2-h	80	22	DSFC Ø3
P2-i	J2-i	77	22	DST Ø4
P2-j	J2-j	81	22	DSFC Ø4
P2-k	J2-k	76	22	DST Ø3
P2-n	J2-n	75	22	DST Ø2
P2-q	J2-q	74	22	DST Ø1
P2-t	J2-t	82	22	DC SHUTTER OPEN
P3-1	J2-s	61	22	OA TEST SOURCE
P3-2	J1-AA	6	22	SGN GND
P3-3	J1-S	10	22	HV/300V
P3-5	J2-p	62	22	OA FILTER 1
P3-6	J1-FF	3	22	OA FILTER 1 POS 1
P3-7	J1-DD	4	22	OA FILTER 1 POS 2
P3-8	J1-BB	5	22	+5V
P3-9	J2-J	71	22	SPARE
P3-10	J2-D	70	22	+28V



EL9LQ-1000-45B

P2 - MS3126F20-41SW



EL9LQ-1000-57

P3 - MS27467T17B35S



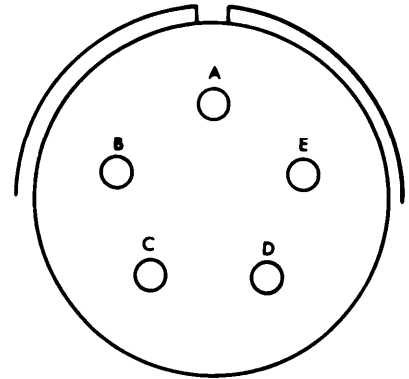
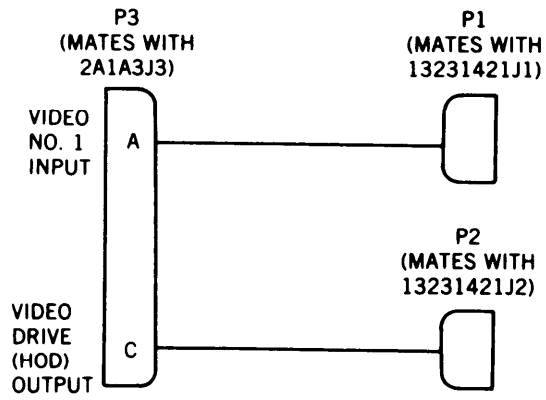
## 3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

## CABLE ASSEMBLY 2A1W32 WIRE LIST (cont)

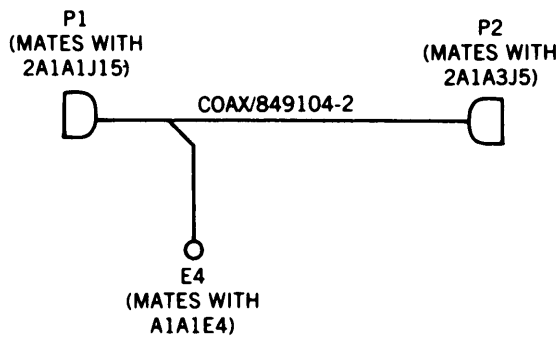
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P3-11	J2-r	63	22	PWR GND
P3-12	J2-m	64	22	SHUTTER
P3-13	J1-GG	7	22	OA SHUTTER CLOSED
P3-14	J1-HH	8	22	OA SHUTTER OPEN
P3-15	J1-z	9	22	DOOR INTERLOCK
P3-16	J2-K	72	22	OA PMT HV
P3-18	J2-A	65	22	+15V
P3-23	J1-v	11	22	SB2
P3-24	J1-P	13	22	<del>OSAF DI</del>
P3-25	J1-w	12	22	SBI
P3-26	J1-x	24	22	SBG
P3-27	J1-y	25	22	SA2
P3-29	J1-CC	26	22	SAI
P3-37	J2-c	66	22	<del>OSAF 01</del>
P3-38	J2-b	67	22	<del>OSAF 02</del>
P3-39	J2-a	68	22	<del>OSAF 03</del>
P3-40	J2-Z	69	22	<del>OSAF 04</del>
P3-42	J1-q	14	22	OSAF DI
P3-45	J1-n	15	22	OSAF EN1
P3-46	J1-m	16	22	OSAF EN2
P3-49	J1-u	17	22	PMT FILTER I
P3-50	J1-t	18	22	PMT FILTER II
P3-51	J1-s	19	22	PMT FILTER III
P3-52	J1-r	20	22	PMT FILTER IV
P3-53	J1-a	21	22	PMT FILTER V
P3-54	J1-k	22	22	-15V
P3-55	J1-j	23	22	+15V

CABLE ASSEMBLY 2A1W34 WIRE DIAGRAM



EL9LQ-1000-50

CABLE ASSEMBLY 2A1W36 WIRE DIAGRAM



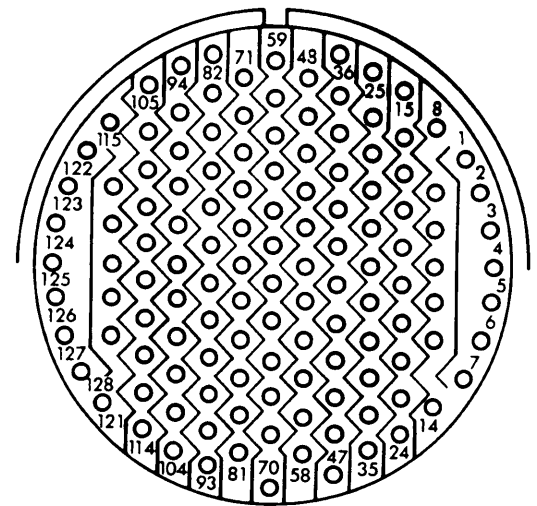
EL9LQ-1010-15

3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

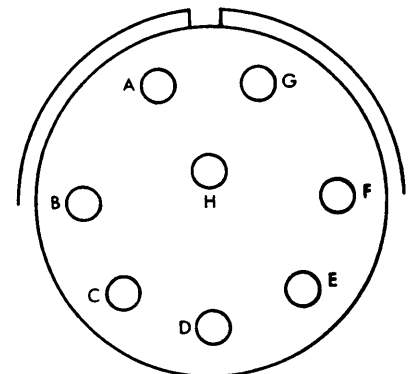
CABLE ASSEMBLY 2A1W37 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
C1-1	GND	86	22	GND
C1-2	R1-2	87	22	DSPL CNTR
P1-1	P4-25	1	22	DVO SEL
P1-2	P4-26	2	22	GRY SC SEL
P1-3	P4-27	3	22	HOD SEL
P1-4	P4-28	3	22	SEL RTN
P1-5	P4-29	4	22	BRI GHTNESS
P1-6	P4-52	25	22	SPARE
P1-7	P1-2	85	22	DI SPL CNTR
P1-8	P4-53	26	22	SPARE
P1-9	P4-54	27	22	SPARE
P1-10	P4-55	28	22	SPARE
P1-11	P4-56	29	22	SPARE
P1-12	P4-57	30	22	SPARE
P1-13	P4-31	6	22	STATUS OUT
P1-14	P4-32	6	22	STATUS RTN
P1-15	P4-58	31	22	SPARE
P1-16	P4-59	32	22	SPARE
P1-17	P4-60	33	22	SPARE
P1-109	P4-61	34	22	SPARE
P1-110	P4-33	7	22	CHASSI S
P1-111	P4-34	8	22	SRU1 SFP
P1-112	P4-35	9	22	SRU2 VERT OSC
P1-115	P4-38	12	22	SRU5 HOR SFP
P1-126	P4-49	23	22	VIDEO SEL
P1-127	P4-50	23	22	SEL RTN
P1-128	P4-51	24	22	MSL SEL I NPUT (MMC)
P2-A	P4-62	35	22	115 VAC 400HZ OA
P2-B	P4-63	35	22	115 VAC 400HZ OB
P2-C	P4-64	37	22	115 VAC 400HZ OC
P2-D	P4-65	37	22	NEUTRAL
P2-E	P4-66	39	22	+28 VDC
P2-F	P4-67	39	22	RTN



EL9LQ-1000-2

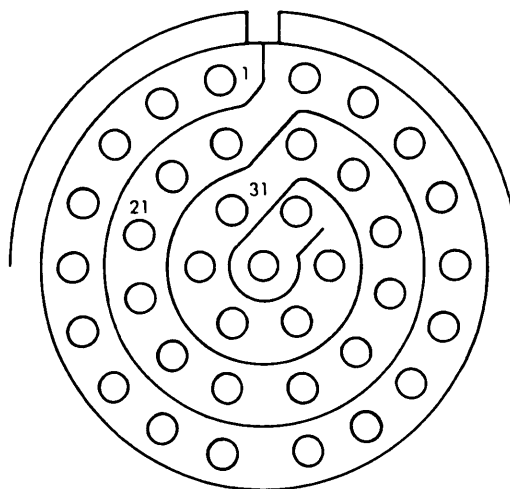
P1 - MS27467T25F35S



EL9LQ-1000-76

CABLE ASSEMBLY 2A1W37 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-G	P4-68	40	22	SPARE
P2-H	P4-69	41	22	SPARE
P3-1	P4-1	42	22	6.3 VAC
P3-2	P4-2	42	22	RTN
P3-3	P4-3	44	22	+15 VDC
P3-4	P4-4	45	22	-15 VDC
P3-5	P4-5	46	22	MSL SEL
P3-6	P4-6	47	22	WIDTH I NPUT
P3-7	P4-7	47	22	WIDTH I NPUT RTN
P3-8	P4-8	48	22	WIDTH OUT
P3-9	P4-9	49	22	SPARE
P3-10	P4-10	50	22	VERT RTN
P3-11	P4-11	51	22	VERT I NPUT
P3-12	P4-12	52	22	VERT SFP
P3-13	P4-13	53	22	SPARE
P3-14	P4-14	54	22	VIDEO RTN
P3-15	P4-15	55	22	Focus/G2 +400V
P3-16	P4-16	56	22	FOCUS/G2 RTN
P3-17	P4-17	57	22	G1
P3-18	P4-18	58	22	+100 VDC
P3-19	P4-19	58	22	100 RTN
P3-20	P4-20	59	22	BK PORCH
P3-21	STP2	77	22	SHI ELD
P3-22	P4-22	61	22	CHASSI S
P3-23	SPL-3	82	22	HORI Z YOKE HI
P3-24	SPL-4	85	22	HORI Z YOKE LOW
P3-25	P4-72	64	22	SPARE
P3-26	P4-73	65	22	SPARE
P3-27	P4-74	66	22	SPARE
P3-28	P4-75	67	22	SPARE
P3-29	P4-76	68	22	SPARE
P3-30	P4-70	63	22	+28 VDC ET1
P3-31	P4-71	63	22	28V RTN
P3-32	P4-77	69	22	SPARE
P3-33	P4-78	70	22	SPARE
P3-34	P4-79	71	22	SPARE
P3-35	P4-80	72	22	SPARE
P3-36	P4-81	73	22	SPARE
P3-37	P4-82	74	22	SPARE
P4-1	P3-1	42	22	6.3 VAC
P4-2	P3-2	42	22	RTN
P4-3	P3-3	44	22	+15 VDC
P4-4	P3-4	45	22	-15 VDC



EL9LQ-1000-86

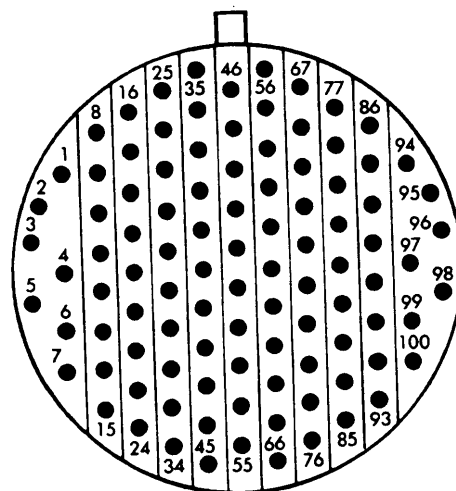
**P3 - MS27467T15F35S**

3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

CABLE ASSEMBLY 2A1U37 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P4-5	P3-5	46	22	MSL SEL
P4-6	P3-6	47	22	WIDTH INPUT
P4-7	P3-7	47	22	WIDTH INPUT RTN
P4-8	P3-8	48	22	WIDTH OUT
P4-9	P3-9	49	22	SPARE
P4-10	P3-10	50	22	VERT RTN
P4-11	P3-11	51	22	VERT INPUT
P4-12	P3-12	52	22	VERT SFP
P4-13	P3-13	53	22	SPARE
P4-14	P3-14	54	22	VIDEO RTN
P4-15	P3-15	55	22	Focus/G2 +400V
P4-16	P3-16	56	22	FOCUS/G2 RTN
P4-17	P3-17	57	22	G1
P4-18	P3-18	58	22	+100 VDC
P4-19	P3-19	58	22	100 RTN
P4-20	P3-20	59	22	BK PORCH
P4-21	STP1	60	22	SHIELD
P4-22	P3-22	61	22	CHASSIS
P4-23	SPL1	80	22	HORIZ YOKE HI
P4-24	SPL2	83	22	HORIZ YOKE LOW
P4-25	P1-1	1	22	DVO SEL
P4-26	P1-2	2	22	GRY SC SEL
P4-27	P1-3	3	22	HOD SEL
P4-28	P1-4	3	22	SEL RTN
P4-29	P1-5	4	22	BRIGHTNESS
P4-30	R1-1	88	22	DISPL CNTR
P4-31	P1-13	6	22	STATUS OUT
P4-32	PI-14	6	22	STATUS RTN
P4-33	P1-110	7	22	CHASSIS
P4-34	P1-111	8	22	SRU1 SFP
P4-35	P1-112	9	22	SRU2 VERT OSC
P4-38	P1-115	12	22	SRU5 HOR SFP



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P4-MS27467T23B35P

**3-11. DAYSIDE TEST BENCH 2A1 (cont)**

**3-11**

**CABLE ASSEMBLY 2A1W37 WIRE LIST (cont)**

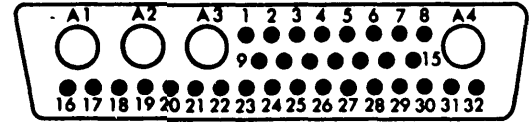
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-49	P1-126	23	22	VI DEO SEL
P4-50	P1-127	23	22	SEL RTN
P4-51	P1-128	24	22	MSL SEL INPUT (MMC)
P4-52	P1-6	25	22	SPARE
P4-53	P1-8	26	22	SPARE
P4-54	P1-9	27	22	SPARE
P4-55	P1-10	28	22	SPARE
P4-56	P1-11	29	22	SPARE
P4-57	P1-12	30	22	SPARE
P4-58	P1-15	31	22	SPARE
P4-59	P1-16	32	22	SPARE
P4-60	P1-17	33	22	SPARE
P4-61	P1-109	34	22	SPARE
P4-62	P2-A	35	22	115 VAC 400HZ OA
P4-63	P2-B	35	22	115 VAC 400HZ OB
P4-64	P2-C	37	22	115 VAC 400HZ OC
P4-65	P2-D	37	22	NEUTRAL
P4-66	P2-E	39	22	+28 VDC
P4-67	P2-F	39	22	RTN
P4-68	P2-G	40	22	SPARE
P4-69	P2-H	41	22	SPARE
P4-70	P3-30	63	22	+28 VDC ET1
P4-71	P3-31	63	22	28V RTN
P4-72	P3-25	64	22	SPARE
P4-73	P3-26	65	22	SPARE
P4-74	P3-27	66	22	SPARE
P4-75	P3-28	67	22	SPARE
P4-76	P3-29	68	22	SPARE
P4-77	P3-32	69	22	SPARE
P4-78	P3-33	70	22	SPARE
P4-79	P3-34	71	22	SPARE
P4-80	P3-35	72	22	SPARE
P4-81	P3-36	73	22	SPARE
P4-82	P3-37	74	22	SPARE
P4-100	STMA	75	22	SHI ELD
R1-1	P4-30	88	22	DI SPL CNTR
R1-2	C1-2	87	22	DI SPL CNTR
SPL1	P4-23	80	22	HORI Z YOKE HI
SPL1	SPL3	81	22	HORI Z YOKE HI

3-11. DAYSIDE TEST BENCH 2A1 (cont)

3-11

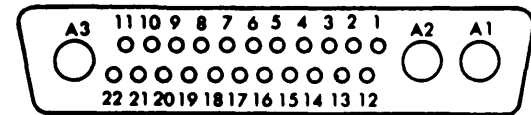
CABLE ASSEMBLY 2A1W45 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
E1	J1-24	12	20	HV CONTROL
E2	J1-25	14	20	HV CONTROL RTN
E3	P1-6	13	20	HV ADJUST
E4	P1-16	15	20	HV ADJUST RTN
E5	TM1	36	20	CHASSIS GND
E6	P2-32	47	20	CHASSIS GND
J1-1	P1-18	1	20	<b>SYNC/2</b>
J1-2	P1-8	2	20	SYNC/2
J1-3	P1-13	3	20	115 VAC 400HZ COMM
J1-4	P1-5	4	20	OPERATE SIG NAC +28 VDC
J1-5	P1-9	5	20	HV ENABLE
J1-6	P1-19	6	20	QUENCH
J1-7	TM2	7	20	RTN
J1-8	P1-15	8	20	+28 VDC RELAY RTN
J1-9	P1-11	9	20	HV SAMPLE TEST
J1-10	P1-7	10	20	INTERLOCK OUT
J1-11	P2-1	21	20	115 VAC 400HZ 01
J1-12	P2-2	22	20	115 VAC 400HZ 02
J1-13	P2-3	23	20	115 VAC 400HZ 03
J1-14	P2-4	24	20	-15 VDC
J1-15	P2-5	25	20	+28 VDC
J1-16	P2-6	26	20	115 VAC 400HZ 01 INTERLOCKED
J1-17	P2-7	27	20	-15 VDC INTERLOCKED
J1-18	P2-8	28	20	+28 VDC INTERLOCKED
J1-19	P2-9	29	20	+28 VDC SW INTERLOCKED
J1-20	P2-10	30	20	HV INTERLOCK
J1-21	P2-11	31	20	INTERLOCK +28V RTN
J1-22	P2-12	32	20	ARM LT RTN #1
J1-23	P2-13	33	20	ARM LT RTN #2
J1-24	E1	12	20	HV CONTROL
J1-25	E2	14	20	HV CONTROL RTN
J1-26	TM1	34	20	CHASSIS GND
J1-27	P2-20	38	20	1000V SENSE
J1-28	P2-21	39	20	60CV SENSE
J1-29	P2-22	40	20	600 VDC PRESENT
J1-30	P2-23	41	20	1000 VDC PRESENT
J1-A1	P1-A1	11	20	600/ 1000V RTN
J1-A2	P1-A2	11	20	1000V
J1-A3	P1-A3	37	20	600V
J1-A4		37	20	SPARE
P1-1	P2-14	16	20	115 VAC 400HZ 01 HV
P1-2	P2-16	18	20	115 VAC 400HZ 03 HV
P1-3	TM1	35	20	CHASSIS GND



EL9LQ-1000-52

J1 - DDM36W4P



EL9LQ-1000-109

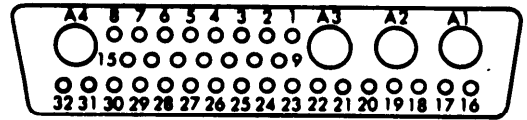
P1 - DCMM25W3S

**3-11. DAYSIDE TEST BENCH 2A1 (cont)**

3-11

**CABLE ASSEMBLY 2A1W45 HIRE LIST (cont)**

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-4	P2-17	19	20	+28 VDC HV
P1-5	J1-4	4	20	OPERATE SIG NAC +28 VDC
P1-6	E3	13	20	HV ADJUST
P1-7	J1-10	10	20	INTERLOCK OUT
P1-8	J1-2	2	20	SYNC/2
P1-9	J1-5	5	20	HV ENABLE
P1-11	J1-9	9	20	HV SAMPLE TEST
P1-12	P2-15	17	20	115 VAC 400HZ 92 HV
P1-13	J1-3	3	20	115 VAC 400HZ COM
P1-14	TM2	42	20	RTN
P1-15	J1-8	8	20	+28 VDC RELAY RTN
P1-16	E4	15	20	HV ADJUST RTN
P1-17	P2-18	20	20	INTERLOCK I N
P1-18	J1-1	1	20	SYNC/2
P1-19	J1-6	6	20	QUENCH
P1-22	TM2	43	20	RTN
P1-A1	J1-A1	11	20	600/1000V RTN
P1-A1	P2-A1	44	20	600/1000V RTN
P1-A2	J1-A2	11	20	1000V
P1-A2	P2-A2	44	20	1000V
P1-A3	J1-A3	37	20	600V
P1-A3	P2-A3	45	20	600V
P2-1	J1-11	21	20	115 VAC 400HZ O1
P2-2	J1-12	22	20	115 VAC 400HZ O2
P2-3	J1-13	23	20	115 VAC 400HZ O3
P2-4	J1-14	24	20	-15 VDC
P2-5	J1-15	25	20	+28 VDC
P2-6	J1-16	26	20	115 VAC 400HZ O1 INTERLOCKED
P2-7	J1-17	27	20	-15 VDC INTERLOCKED
P2-8	J1-18	28	20	+28 VDC INTERLOCKED
P2-9	J1-19	29	20	+28 VDC SW INTERLOCKED
P2-10	J1-20	30	20	HV INTERLOCK
P2-11	J1-21	31	20	INTERLOCK +28V RTN
P2-12	J1-22	32	20	ARM LT RTN #1
P2-13	J1-23	33	20	ARM LT RTN #2
P2-14	P1-1	16	20	115 VAC 400HZ B1 HV
P2-15	P1-12	17	20	115 VAC 400HZ O2 HV
P2-16	P1-2	18	20	115 VAC 400HZ O3 HV
P2-17	P1-4	13	20	+28 VDC HV
P2-18	P1-17	20	20	INTERLOCK I N
P2-19	TM2	46	20	RTN
P2-20	J1-27	38	20	1000V SENSE
P2-21	J1-28	39	20	600V SENSE



EL9LQ-1000-52

**P2 - DDM36W4S**



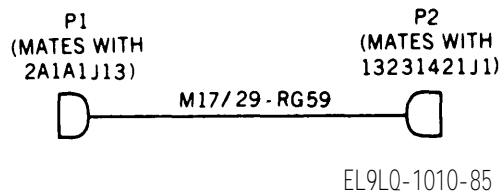
**3-11. DAYSIDE TEST BENCH 2A1 (cont)**

**3-11**

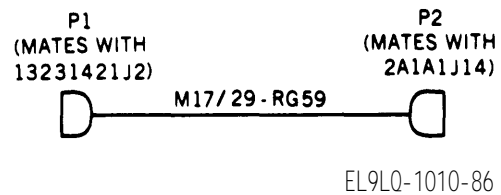
**CABLE ASSEMBLY 2A1W45 WIRE LIST (cont)**

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P2-22	J1-29	40	20	600 VDC PRESENT
P2-23	J1-30	41	20	1000 VDC PRESENT
P2-32	E6	47	20	CHASSIS GND
P2-A1	P1-A1	44	20	600/1000V RTN
P2-A2	P1-A2	44	20	1000V
P2-A3	P1-A3	45	20	600V
P2-A4		45	20	SPARE
TM1	E5	36	20	CHASSIS GND
TM1	J1-26	34	20	CHASSIS GND
TM1	P1-3	35	20	CHASSIS GND
TM2	J1-7	7	20	RTN
TM2	P1-14	42	20	RTN
TM2	P1-22	43	20	RTN
TM2	P2-19	46	20	RTN

CABLE ASSEMBLY 2A1W77 WIRE DIAGRAM



CABLE ASSEMBLY 2A1W78 WIRE DIAGRAM

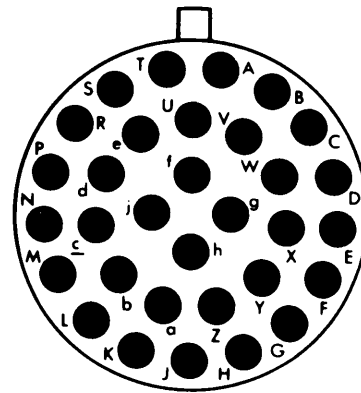


3-11. DAYSIDE TEST BENCH 2A1 (cont)

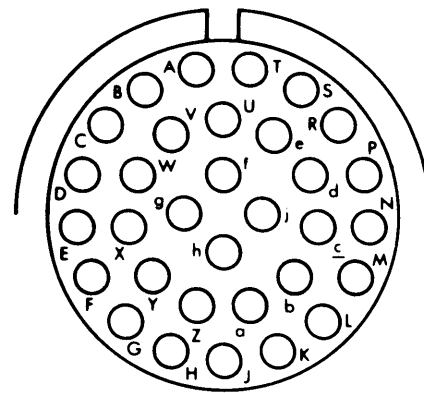
3-11

CABLE ASSEMBLY 2A1W93 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J4-A	STP13	35	22	SHI ELD
J4-B	P1-B	32	22	SPARE
J4-C	P1-c	31	22	SPARE
J4-D	P1-D	30	22	SPARE
J4-E	P1-E	29	22	SPARE
J4-F	P1-F	28	22	SPARE
J4-G	P1-G	27	22	SPARE
J4-H	P1-H	26	22	SPARE
J4-J	P1-J	25	22	VEO
J4-K	P1-K	24	22	VEE
J4-L	STP11	22	22	SHI ELD
J4-M	P1-M	21	22	CH2 RTN
J4-N	P1-N	21	22	CH2 VIDEO
J4-P	P1-P	19	22	-12V
J4-R	P1-R	17	22	CH1 RTN
J4-S	P1-s	17	22	CH1 VIDEO
J4-T	P1-T	16	22	+12V
J4-U	P1-u	15	22	H DATA
J4-V	P1-v	14	22	ALC VIDEO
J4-W	P1-w	13	22	ROW VG
J4-X	P1-x	12	22	V DATA
J4-Y	P1-Y	11	22	V 02
J4-Z	P1-z	10	22	V 01
J4-a	P1-a	7	22	HO COMPOSITE
J4-b	STP5	8	22	SHI ELD
J4-c	P1-c	7	22	HO COMPOSITE RTN
J4-d	STP3	5	22	SHI ELD
J4-e	P1-e	4	22	RTN
J4-f	P1-f	4	22	+5V
J4-g	STP1	2	22	SHI ELD
J4-h	P1-h	1	22	ALC RTN
J4-j	P1-j	1	22	ALC +12V
P1-A	STP14	36	22	SHI ELD
P1-B	J4-B	32	22	SPARE
P1-c	J4-C	31	22	SPARE
P1-D	J4-D	30	22	SPARE
P1-E	J4-E	29	22	SPARE
P1-F	J4-F	28	22	SPARE
P1-G	J4-G	27	22	SPARE
P1-H	J4-H	26	22	SPARE
P1-J	J4-J	25	22	VEO
P1-K	J4-K	24	22	VEE
P1-L	STP12	23	22	SHI ELD



EL9LQ-1000-47  
J4-KP28F18-32P



EL9LQ-1000-47  
P1-PT06SE-18-32S (SR)

## 3-11. DAYSIDE TEST BENCH 2A1 (cont)

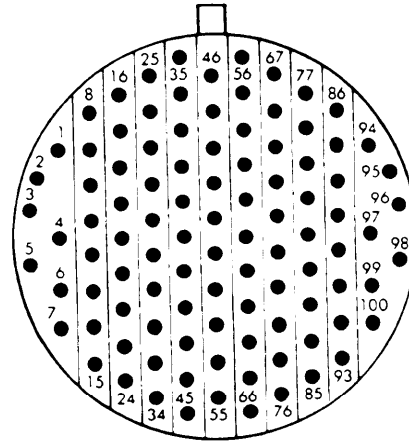
3-11

## CABLE ASSEMBLY 2A1W93 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-M	J4-M	21	22	CH2 RTN
P1-N	J4-N	21	22	CH2 VI DEO
P1-P	J4-P	19	22	-12V
P1-R	J4-R	17	22	CH1 RTN
P1-s	J4-S	17	22	CH1 VI DEO
P1-T	J4-T	16	22	+12V
P1-u	J4-U	15	22	H DATA
P1-v	J4-V	14	22	ALC VI DEO
P1-w	J4-W	13	22	ROW VG
P1-x	J4-X	12	22	V DATA
P1-Y	J4-Y	11	22	V O2
P1-z	J4-Z	10	22	V O1
P1-a	J4-a	7	22	HO COMPOSI TE
P1-b	STP6	9	22	SHI ELD
P1-c	J4-c	7	22	HO COMPOSI TE RTN
P1-d	STP4	6	22	SHI ELD
P1-e	J4-e	4	22	RTN
P1-f	J4-f	4	22	+5V
P1-g	STP2	3	22	SHI ELD
P1-h	J4-h	1	22	ALC RTN
P1-j	J4-j	1	22	ALC +12V
STP1	J4-g	2	22	SHI ELD
STP2	P1-g	3	22	SHI ELD
STP3	J4-d	5	22	SHI ELD
STP4	P1-d	6	22	SHI ELD
STP5	J4-b	8	22	SHI ELD
STP6	P1-b	9	22	SHI ELD
STP7	STP11	18	22	SHI ELD
STP8	STP12	20	22	SHI ELD
STP9	STP11	33	22	SHI ELD
STP10	STP12	34	22	SHI ELD
STP11	J4-L	22	22	SHI ELD
STP11	STP7	18	22	SHI ELD
STP11	STP9	33	22	SHI ELD
STP12	P1-L	23	22	SHI ELD
STP12	STP8	20	22	SHI ELD
STP12	STP10	34	22	SHI ELD
STP13	2A1A2E2	37	22	GND
STP13	J4-A	35	22	SHI ELD
STP14	P1-A	36	22	SHI ELD
2A1A2E2	STP13	37	22	GND

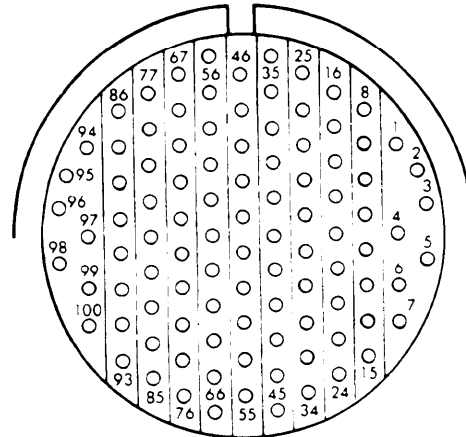
ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE
E2	J2-100	64	22
E3	J2-12	48	22
E4	TB1-4G	35	22
J2-1	TB1-1B	41	22
J2-2	TB1-1G	41	22
J2-3	TB1-1D	42	22
J2-4	TB1-2B	42	22
J2-5	TB1-2G	43	22
J2-6	TB1-2D	44	22
J2-7	TB1-3B	44	22
J2-8	TB1-3G	45	22
J2-9	TB1-9B	46	22
J2-10	TB1-3D	47	22
J2-11	TB1-4B	47	22
J2-12	E3	48	22
J2-13	TB1-9G	94	22
J2-14	TB1-4D	49	22
J2-15	TB1-5B	50	22
J2-16	TB1-5G	50	22
J2-17	TB1-5D	51	22
J2-18	TB1-6B	52	22
J2-19	TB1-6G	52	22
J2-20	SPL-5	53	22
J2-21	SPL-6	54	22
J2-22	TB1-6D	55	22
J2-23	SPL-2	56	22
J2-24	SPL-2	56	22
J2-25	J11-25	16	22
J2-26	J11-26	17	22
J2-27	J11-27	18	22
J2-28	J11-28	18	22
J2-29	J11-29	19	22
J2-30	J11-30	20	22
J2-31	J11-31	21	22
J2-32	J11-32	21	22
J2-33	TB1-9D	57	22
J2-34	J11-34	23	22
J2-35	J11-35	24	22
J2-38	J11-38	25	22
J2-49	J11-49	26	22
J2-50	J11-50	26	22
J2-51	J11-51	27	22
J2-55	J11-55	28	22
J2-56	J11-56	29	22
J2-62	J11-62	30	22



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J2 - MS27468T23F35P



EL9LQ-1000-51

J3 - MS27468T21F39S

## 3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)

3-12

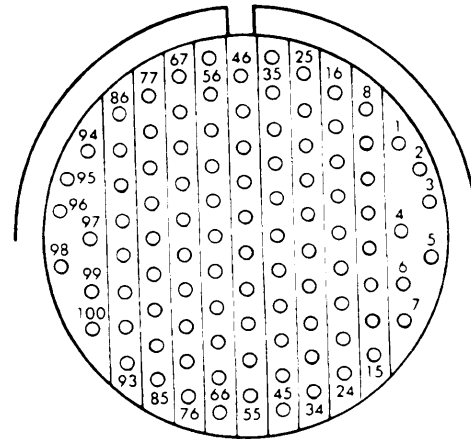
## ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE
J2-63	J11-63	31	22
J2-64	J11-64	32	22
J2-65	J11-65	33	22
J2-66	J11-66	34	22
J2-67	J11-67	34	22
J2-70	TB1-7B	58	22
J2-71	TB1-7G	58	22
J2-72	TB1-7D	59	22
J2-73	TB1-8B	60	22
J2-74	TB1-8G	61	22
J2-75	TB1-8D	62	22
J2-100	E2	64	22
J3-A	TB1-10	66	22
J3-B	TB1-1H	66	22
J3-C	TB1-1E	67	22
J3-D	TB1-2C	67	22
J3-E	TB1-2H	68	22
J3-F	TB1-2E	69	22
J3-G	TB1-3C	69	22
J3-H	TB1-3H	70	22
J3-J	TB1-9C	88	22
J3-K	TB1-3E	71	22
J3-L	TB1-4C	71	22
J3-M	TB1-4H	72	22
J3-N	TB1-9H	93	22
J3-P	TB1-4E	73	22
J3-R	TB1-5C	74	22
J3-S	TB1-5H	74	22
J3-T	TB1-5E	75	22
J3-U	TB1-6C	76	22
J3-V	TB1-6H	76	22
J3-W	SPL-5	77	22
J3-X	STP-1	78	22
J3-Y	TB1-9E	79	22
J3-Z	SPL-7	80	22
J3-a	SPL-8	80	22
J3-b	TB1-7E	86	22
J3-c	TB1-8C	82	22
J3-d	TB1-8H	83	22
J3-e	TB1-8E	84	22
J3-g	TB1-7C	81	22
J3-h	TB1-7H	81	22
J3-m	J14	85	22
J8	J13	90	22
J11-1	TB1-1A	1	22

**3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)**

**ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST**

FROM	TO	WIRE ID	WIRE SIZE
J11-2	TB1-1F	1	22
J11-3	TB1-1J	2	22
J11-4	TB1-2A	2	22
J11-5	TB1-2F	3	22
J11-6	TB1-2J	4	22
J11-7	TB1-3A	4	22
J11-8	TB1-3F	5	22
J11-9	TB1-9A	65	22
J11-10	TB1-3J	6	22
J11-11	TB1-4A	6	22
J11-12	TB1-4F	7	22
J11-13	TB1-9F	95	22
J11-14	TB1-4J	8	22
J11-15	TB1-5A	9	22
J11-16	TB1-5F	9	22
J11-17	TB1-5J	10	22
J11-18	TB1-6A	11	22
J11-19	TB1-6F	11	22
J11-20	SPL-5	12	22
J11-21	STP-3	13	22
J11-22	TB1-6J	14	22
J11-23	SPL-3	15	22
J11-24	SPL-4	15	22
J11-25	J2-25	16	22
J11-26	J2-26	17	22
J11-27	J2-27	18	22
J11-28	J2-28	18	22
J11-29	J2-29	19	22
J11-30	J2-30	20	22
J11-31	J2-31	21	22
J11-32	J2-32	21	22
J11-33	TB1-9J	22	22
J11-34	J2-34	23	22
J11-35	J2-35	24	22
J11-38	J2-38	25	22
J11-49	J2-49	26	22
J11-50	J2-50	26	22
J11-51	J2-51	27	22
J11-55	J2-55	28	22
J11-56	J2-56	29	22
J11-62	J2-62	30	22
J11-63	J2-63	31	22
J11-64	J2-64	32	22
J11-65	J2-65	33	22
J11-66	J2-66	34	22



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**J11 - MS27468T23B35S**

**3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)****3-12****ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST**

FROM	TO	WIRE ID	WIRE SIZE
J11-67	J2-67	34	22
J11-70	TB1-7A	36	22
J11-71	TB1-7F	36	22
J11-72	TB1-7J	37	22
J11-73	TB1-8A	38	22
J11-74	TB1-8F	39	22
J11-75	TB1-8J	40	22
J13	J8	90	22
J14	J3-m	85	22
J14	J17	89	22
J17	J14	89	22
SPL-1	J2-23	56	22
SPL-1	SPL-3	63	12
SPL-1	SPL-7	96	12
SPL-2	J2-24	56	22
SPL-2	SPL-4	63	12
SPL-2	SPL-8	96	12
SPL-3	J11-23	15	22
SPL-3	SPL-1	63	12
SPL-4	J11-24	15	22
SPL-4	SPL-2	63	12
SPL-5	J2-20	53	22
SPL-5	J3-W	77	22
SPL-5	J11-20	12	22
SPL-6	J2-21	54	22
SPL-6	STP-2	91	22
SPL-6	STP-4	92	22
SPL-7	J3-Z	80	22
SPL-7	SPL-1	96	12
SPL-8	J3-a	80	22
SPL-8	SPL-2	96	12
STP-1	J3-X	78	22
STP-2	SPL-6	91	22
STP-3	J11-21	13	22
STP-4	SPL-6	92	22
TB1-1A	J11-1	1	22
TB1-1B	J2-1	41	22
TB1-1C	J3-A	66	22
TB1-1D	J2-3	42	22
TB1-1E	J3-C	67	22
TB1-1F	J11-2	1	22
TB1-1G	J2-2	41	22
TB1-1H	J3-B	66	22
TB1-1J	J11-3	2	22
TB1-2A	J11-4	2	22

**3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)****3-12****ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST**

<b>FROM</b>	<b>TO</b>	<b>WIRE ID</b>	<b>WIRE SIZE</b>
TB1-2B	J2-4	42	22
TB1-2C	J3-D	67	22
TB1-2D	J2-6	44	22
TB1-2E	J3-F	69	22
TB1-2F	J11-5	3	22
TB1-2G	J2-5	43	22
TB1-2H	J3-E	68	22
TB1-2J	J11-6	4	22
TB1-3A	J11-7	4	22
TB1-3B	J2-7	44	22
TB1-3C	J3-G	69	22
TB1-3D	J2-10	47	22
TB1-3E	J3-K	71	22
TB1-3F	J11-8	5	22
TB1-3G	J2-8	45	22
TB1-3H	J3-H	70	22
TB1-3J	J11-10	6	22
TB1-4A	J11-11	6	22
TB1-4B	J2-11	47	22
TB1-4C	J3-L	71	22
TB1-4D	J2-14	49	22
TB1-4E	J3-P	73	22
TB1-4F	J11-12	7	22
TB1-4G	E4	35	22
TB1-4H	J3-M	72	22
TB1-4J	J11-14	8	22
TB1-5A	J11-15	9	22
TB1-5B	J2-15	50	22
TB1-5C	J3-R	74	22
TB1-5D	J2-17	51	22
TB1-5E	J3-T	75	22
TB1-5F	J11-16	9	22
TB1-5G	J2-16	50	22
TB1-5H	J3-S	74	22
TB1-5J	J11-17	10	22
TB1-6A	J11-18	11	22
TB1-6B	J2-18	52	22
TB1-6C	J3-U	76	22
TB1-6D	J2-22	55	22
TB1-6E	J11-19	11	22
TB1-6F	J2-19	52	22
TB1-6G	J3-V	76	22
TB1-6H	J11-22	14	22
TB1-6J	TB1-9K	87	22
TB1-7A	J11-70	36	22



**3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)****3-12****ADAPTER PANEL ASSEMBLY 2A1A1 WIRE LIST**

<b>FROM</b>	<b>TO</b>	<b>WIRE ID</b>	<b>WIRE SIZE</b>
TB1-7B	J2-70	58	22
TB1-7C	J3-g	81	22
TB1-7D	J2-72	59	22
TB1-7E	J3-b	86	22
TB1-7F	J11-71	36	22
TB1-7G	J2-71	58	22
TB1-7H	J3-h	81	22
TB1-7J	J11-72	37	22
TB1-8A	J11-73	38	22
TB1-8B	J2-73	60	22
TB1-8C	J3-c	82	22
TB1-8D	J2-75	62	22
TB1-8E	J3-e	84	22
TB1-8F	J11-74	39	22
TB1-8G	J2-74	61	22
TB1-8H	J3-d	83	22
TB1-8J	J11-75	40	22
TB1-9A	J11-9	65	22
TB1-9B	J2-9	46	22
TB1-9C	J3-J	88	22
TB1-9D	J2-33	57	22
TB1-9E	J3-Y	79	22
TB1-9F	J11-13	95	22
TB1-9G	J2-13	94	22
TB1-9H	J3-N	93	22
TB1-9J	J11-33	22	22
TB1-9K	TB1-6K	87	22

OPTICAL SIGNAL ANALYZER 2A1A1 INTERCONNECTION DIAGRAM

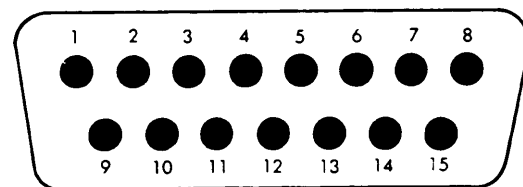
For the Optical Signal Analyzer interconnection diagram, refer to F0-38.

**342. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)**

**3-12**

**HOD MOUNTING BRACKET ASSEMBLY 2A1A1A4 WIRE LIST**

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
A1-1	CTP2	12	24	
A1-3	CTP3	15	24	
A1-4	P-n	16	24	OSAF D1
CTP1	M1-BLK	6	24	
CTP1	M1-WHT	7	24	
CTP1	P1-5	5	24	+28V
CTP2	A1-1	12	24	
CTP2	M1-RED	11	24	
CTP2	P1-7	10	24	+5V
CTP3	A1-3	15	24	
CTP3	M1-BLK	14	24	
CTP3	P1-8	13	24	SGN GND
M1-BLK	CTP1	6	24	
M1-BLK	CTP3	14	24	
M1-BLUE	P1-10	9	24	
M1-BRN	P1-6		24	SPARE
M1-GRN	P1-1	1	24	OSAF 01
M1-GR/W	P1-3	3	24	OSAF 03
M1-RED	CTP2	11	24	
M1-RED	P1-2	2	24	OSAF 02
M1-RD/W	P1-4	4	24	OSAF 04
M1-WHT	CTP1	7	24	
M1-WHT	P1-9	8	24	OSAF EN1
P1-1	M1-GRN	1	24	OSAF 01
P1-2	M1-RED	2	24	OSAF 02
P1-3	M1-GR/W	3	24	OSAF 03
P1-4	M1-RD/H	4	24	OSAF 04
P1-5	CTP1	5	24	+28V
P1-6	M1-BRN		24	SPARE
P1-7	CTP2	10	24	+5V
P1-8	CTP3	13	24	SGN GND
P1-9	M1-WHT	18	24	OSAF EN1
P1-10	M1-BLUE	9	24	
P1-11	A1-4	16	24	OSAF 01



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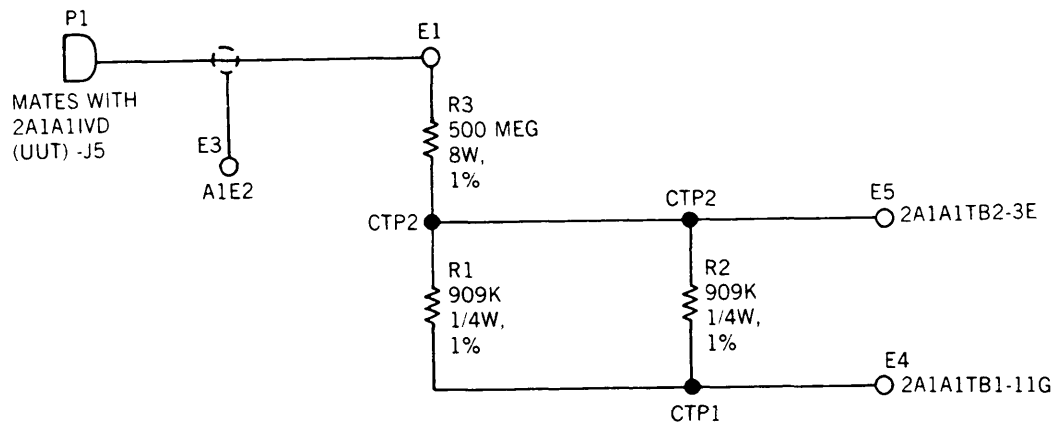
**P1 - M24308/4-2**



3-12. ADAPTER PANEL ASSEMBLY/OPTICAL SIGNAL ANALYZER 2A1A1 (cont)

3-12

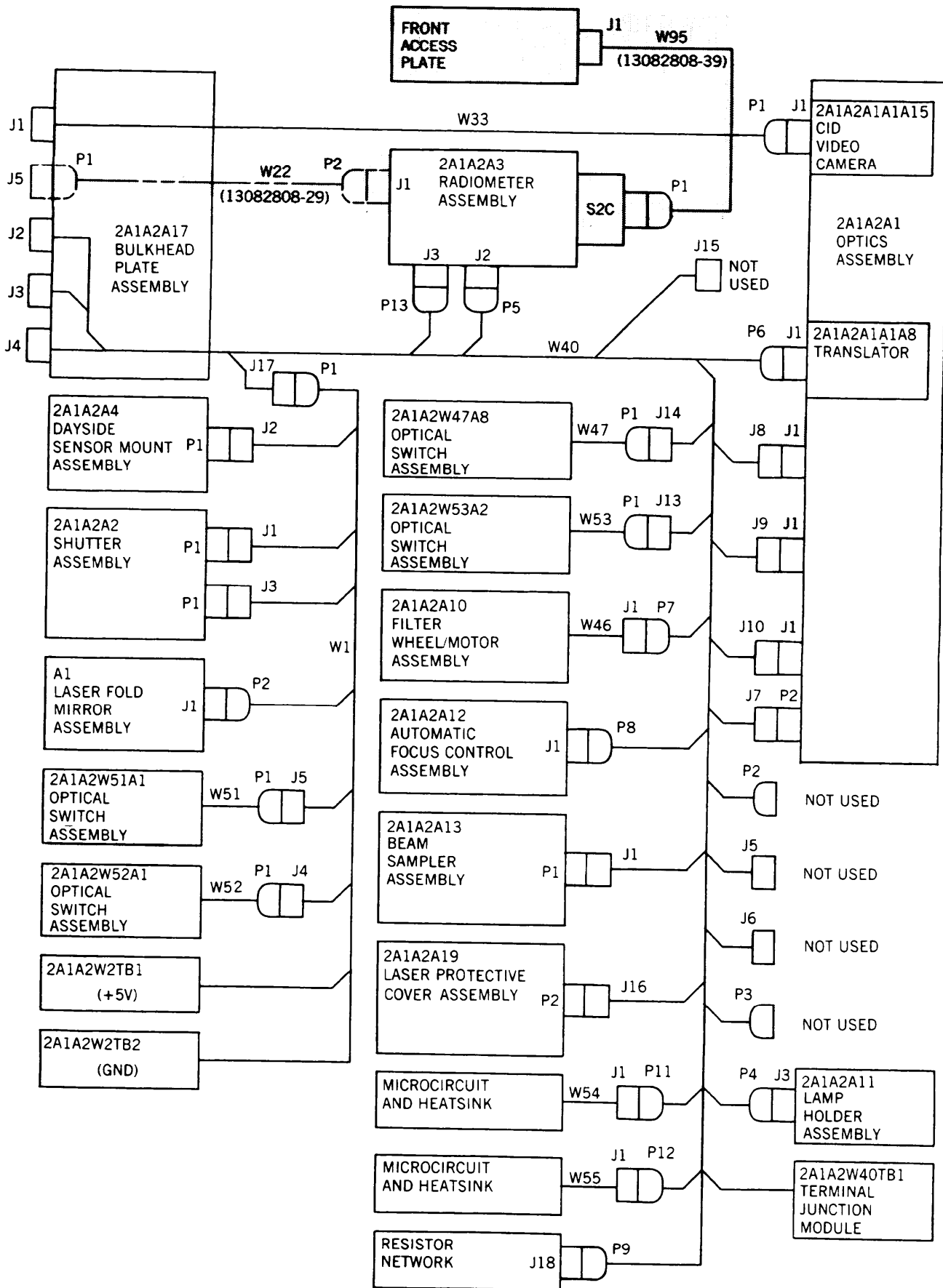
CABLE ASSEMBLY 2A1A1W8 WIRE DIAGRAM



EL9LQ-1010-1A





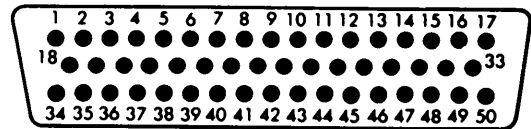






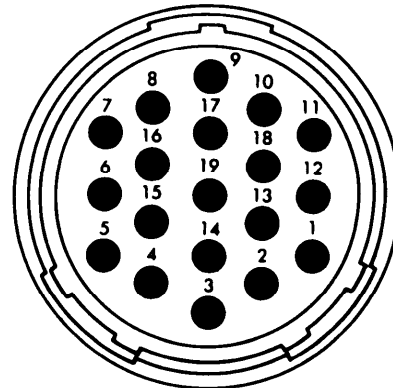
CABLE ASSEMBLY 2A1A2W1 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
P1-4	J2-T	4	22	CARRI AGE SENSOR #1
P1-5	J2-P	5	22	CARRI AGE SENSOR #2
P1-6	J2-W	6	22	ATTEN SENSOR #1
P1-7	J2-Z	7	22	ATTEN SENSOR #2
P1-8	J2-L	8	22	SHI ELD SENSOR #1
P1-9	J2-H	9	22	SHI ELD SENSOR #2
P1-10	J2-B	10	22	ARM SENSOR #1
P1-11	J2-E	11	22	ARM SENSOR #2
P1-12	J2-b	12	22	SWI TCH
P1-13	J4-B	13	22	DSMA 01
P1-14	J5-B	14	22	DSMA 02
P1-15	P2-13	15	22	DSMA EN1
P1-16	P2-14	16	22	DSMA EN2
P1-17	P2-3	17	22	DSMA 01
P1-18	P2-2	18	22	DSMA 02
P1-19	P2-4	19	22	DSMA 03
P1-20	P2-1	20	22	DSMA 04
P1-21	J1-B	21	22	GND
P1-22	J1-A	22	22	+5V
P1-23	P2-5	23	22	+28V
P1-24	P2-6	24	22	+28V
P1-25	P2-15	25	22	+5V
P1-26	P2-16	26	22	GND
P1-27	J1-D	27	22	+5V
P1-28	J1-E	28	22	GND
P1-29	J3-A	29	22	+28V
P1-30	J4-A	30	22	+5V
P1-31	J4-C	31	22	GND
P1-32	J5-A	32	22	+5V
P1-33	J5-C	33	22	GND
P1-34	TB1-1A	34	22	+5V
P1-35	TB1-2A	35	22	GND
P1-36	J2-c	36	22	SWI TCH RTN
P2-1	P1-20	20	22	DSMA 04
P2-2	P1-18	18	22	DSMA 02
P2-3	P1-17	17	22	DSMA 01
P2-4	P1-19	19	22	DSMA 03
P2-5	P1-23	23	22	+28V
P2-6	P1-24	24	22	+28V
P2-13	P1-15	15	22	DSMA EN1
P2-14	P1-16	16	22	DSMA EN2
P2-15	P1-25	25	22	+5V



EL9LQ-1000-13

P1 - M24308/4-5



EL9LQ-1000-24

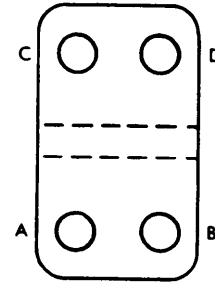
P2-530504-00

**3-13. INNER MODULE 2A1A2 (cont)****3-13****CABLE ASSEMBLY 2A1A2W1 WIRE LIST (cont)**

<b>FROM</b>	<b>TO</b>	<b>WIRE ID</b>	<b>WIRE SIZE</b>	<b>SIGNAL/FUNCTION</b>
P2-16	P1-26	26	22	GND
TB1-1A	P1-34	34	22	+5V
TB1-1B	J2-A	37	22	+5V
TB1-1C	J2-D	38	22	+5V
TB1-1D	J2-G	39	22	+5V
TB1-1E	J2-K	40	22	+5V
TB1-1F	J2-N	41	22	+5V
TB1-1G	J2-S	42	22	+5V
TB1-1H	J2-V	43	22	+5V
TB1-1J	J2-Y	44	22	+5V
TB1-2A	P1-35	35	22	GND
TB1-2B	J2-C	45	22	GND
TB1-2C	J2-F	46	22	GND
TB1-2D	J2-J	47	22	GND
TB1-2E	J2-M	48	22	GND
TB1-2F	J2-R	49	22	GND
TB1-2G	J2-U	50	22	GND
TB1-2H	J2-X	51	22	GND
TB1-2J	J2-a	52	22	GND

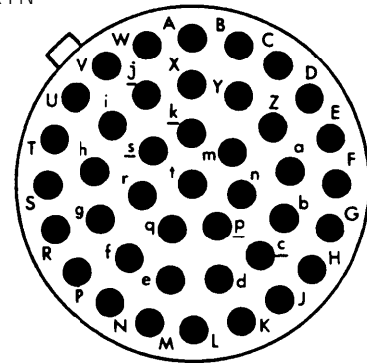
CABLE ASSEMBLY 2A1A2W40 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
CTP1	P8-15	55	22	+5V
CTP1	P9-B	153	22	+5V
CTP1	TB1-5E	166	22	+5V
CTP2	P8-19	39	22	DSFC L1
CTP2	P9-D	156	22	DSFC L1
CTP2	J3-V	165	22	DSFC L1
CTP3	P8-16		54	22GND
CTP3	P8-18	157	22	GND
CTP3	P8-9	158	22	GND
CTP3	TB1-6E	164	22	GND
CTP4	P5-D	163	22	GND
CTP4	TB1-6K	80	22	GND
CTP4	P13-B	161	22	GND
CTP5	P5-H	162	22	LASER TEST/DC FLASH PWR
CTP5	J4-B	159	22	LASER TEST/DC FLASH PWR
CTP5	P13-D	160	22	+28V
J1-A	-		22	SPARE
J1-B	J4-C	96	22	LASER TEST/DC FLASH PWR
J1-C	J4-D	97	22	LASER TEST RTN/DC FLASH RTN
J1-D	J4-E	98	22	LASER TEST RTN/DC FLASH RTN
J2-B	TB1-7A	146	22	+28V
J2-C	TB1-8A	147	22	<u>PWR_GND</u>
J2-L	P2-A	127	22	DST1 DT
J2-M	P6-4	108	22	DSMB 03
J2-N	P6-1	109	22	DSMB 04
J2-P	P6-2	107	22	DSMB 02
J2-R	P7-8	110	22	DSFA 01
J2-S	P6-3	106	22	DSMB 01
J2-T	P7-7	111	22	DSFA 02
J2-U	J17-20	125	22	DSMP 04
J2-V	P7-9	112	22	DSFA 03
J2-W	J17-19	124	22	DSMP 03
J2-X	P7-6	113	22	DSFA 04
J2-Y	J17-18	123	22	DSMP 02
J2-e	P8-3	114	22	DSFC 01
J2-f	P8-2	115	22	DSFAC 02
J2-g	J17-17	122	22	DSMP 01
J2-h	P8-4	116	22	DSFC 03
J2-i	J6-6	121	22	DST 04
J2-j	P8-1	117	22	DSFC 04
J2-k	J6-9	120	22	DST 03
J2-n	J6-7	119	22	DST 02
J2-q	J6-8	118	22	DST 01
J2-t	J17-3	126	22	DC SHUTTER OPEN
J3-A	P12-A	77	22	SDI
J3-B	P12-B	76	22	SD2
J3-C	P11-A	75	22	SCI



EL9LQ-1000-134

**J1 and P4-JF2S-2S**



EL9LQ-1000-45B

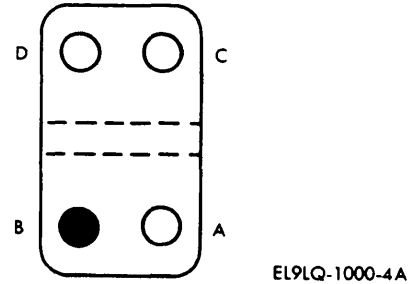
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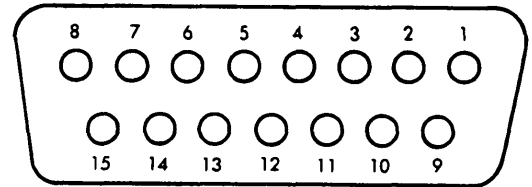
3-13. INNER MODULE 2A1A2 (cont)

CABLE ASSEMBLY 2A1A2W40 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J4-F	P4-A	99	22	LAMP PWR, DCT
J4-G	P4-B	100	22	LAMP PWR, DCT
J4-H	P4-C	101	22	LAMP RTN, DCT
J4-J	P4-D	102	22	LAMP RTN, DCT
J4-K	J14-B	105	22	FILTER INTERLOCK
J4-V	TB1-4A	91	22	SGN GND
J4-W	TB1-3A	90	22	+5V
J4-Y	J15-B	94	22	INTERLOCK #1
J4-b	J17-11	88	22	ARM #2
J4-c	J17-10	87	22	ARM #1
J4-d	J17-9	86	22	SHI ELD SENSOR #2
J4-e	J17-8	85	22	SHI ELD SENSOR #1
J4-f	J17-7	84	22	ATTEN SENSOR #2
J4-g	J17-6	83	22	ATTEN SENSOR #1
J4-h	J17-5	82	22	CARRI AGE SENSOR #2
J4-i	J17-4	81	22	CARRI AGE SENSOR #1
J5-A	TB1-3B	28	22	+5V
J5-B	J3-v	26	22	DSTI DTO
J5-C	TB1-4B	29	22	GND
J5-D			22	SPARE
J6-2	J3-s	62	22	DSTI EN2
J6-3	J3-t	61	22	DSTI EN1
J6-4	TB1-6F	63	22	GND
J6-5	TB1-5F	64	22	+5V
J6-6	J2-i	121	22	DST 04
J6-7	J2-n	119	22	DST 02
J6-8	J2-q	118	22	DST 01
J6-9	J2-k	120	22	DST 03
J6-10	TB1-7E	65	22	+28v
J6-11	TB1-11E	66	22	+28v
J7-2	J3-P	5	22	DC LASER LS PWR
J7-3	J3-G	12	22	LASER SIM LEVEL
J7-4	J3-L	8	22	DC LASER LCW
J7-5	J3-H	11	22	LASER CK OUT
J7-6	J3-J	10	22	DC LASER CK ON
J7-7	TB1-2B	14	22	-15V
J7-10	TB1-6H	16	22	GND
J7-11	J3-K	9	22	DC LASER RESET
J7-12	TB1-5H	15	22	+5V
J7-13	J3-N	6	22	DC LASER AMP
J7-15	TB1-11H	129	22	+28V
J7-17	TB1-1B	13	22	+15V
J7-18	TB1-6J	17	22	GND
J7-20	J3-M	7	22	DC LASER SIM
J7-21	TB1-8B	130	22	PWR GND
J8-A	TB1-3C	31	22	+5V

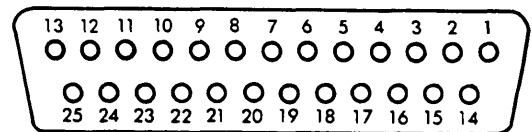


**J5, J8 thru J10, J13, J14, P9, P10, and P13 - JF3S-1P-ACD**



EL9LQ-1000-5

**J6 and P7 - M24308/2-2F**



EL9LQ-1000-11

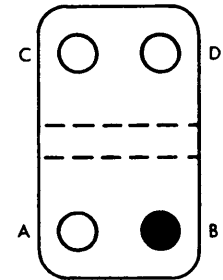
**J7 and P3 - M24308/2-3F**

3-13. INNER MODULE 2A1A2 (cont)

3-13

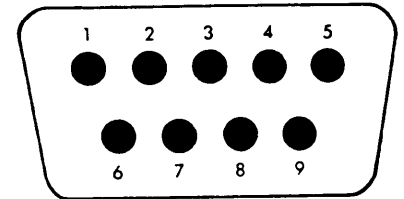
CABLE ASSEMBLY 2A1A2W40 WIRE LIST (cont)

FROM	TO	WI RE I.D	WI RE SLZE	SIGNAL/FUNCTI ON
J8-B	J3-m	30	22	DSMB 01
J8-C	TB1-4C	32	22	GND
J9-A	TB1-3D	34	22	+5A
J9-B	J3-n	33	22	DSMB 02
J9-C	TB1-4D	35	22	GND
J10-A	TB1-3E	37	22	+5A
J10-B	J3-p	36	22	DSMB 03
J10-C	TB1-4E	38	22	GND
J13-A	TB1-3F	40	22	+5V
J13-B	J3-g	60	22	DSFA L1
J13-C	TB1-4F	41	22	GND
J14 -A	TB1-9B	103	22	+5V
J14-B	J4-K	105	22	FILTER INTERLOCK
J14-C	TB1-10B	104	22	GND
J15-A	TB1-3H	92	22	+5V
J15-B	J4-Y	94	22	INTERLOCK #1
J15-C	TB1-4H	93	22	GND
J16-1	J17-12	151	22	SWITCH
J16-6	J17-36	152	22	SWITCH RTN
J17-1	J3-d	71	22	DC SHUTTER CLOSED
J17-2	J3-e	72	22	DC SHUTTER OPEN
J17-3	J2-t	126	22	DC SHUTTER OPEN
J17-4	J4-i	81	22	CARRIAGE SENSOR #1
J17-5	J4-h	82	22	CARRIAGE SENSOR #2
J17-6	J4-g	83	22	ATTEN SENSOR #1
J17-7	J4-f	84	22	ATTEN SENSOR #2
J17-8	J4-e	85	22	SHI ELD SENSOR #1
J17-9	J4-d	86	22	SHI ELD SENSOR #2
J17-10	J4-c	87	22	ARM #1
J17-11	J4-b	88	22	ARM #2
J17-12	J16-1	151	22	SWI TCH
J17-13	J3-HH	67	22	DSMA D1
J17-14	J3-GG	68	22	DSMA D2
J17-15	J3-FF	69	22	DSMA EN1
J17-16	J3-EE	70	22	DSMA EN2
J17-17	J2-g	122	22	DSMP, 01
J17-18	J2-Y	123	22	DSMP 02
J17-19	J2-W	124	22	DSMP 03
J17-20	J2-U	125	22	DSMP 04
J17-21	TB1-10C	133	22	SIG GND OPT SENSORS
J17-22	TB1-9C	134	22	+5V OPT SENSORS
J17-23	TB1-7G	135	22	+28V
J17-24	TB1-11F	136	22	+28V



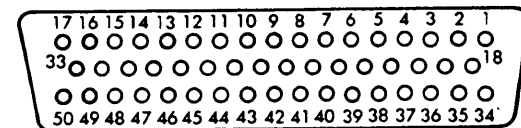
EL9LQ-1000-133

**J15, P11, and P12-TF1P-3SB**



EL9LQ-1000-10

**J16 - M24308/4-1F**

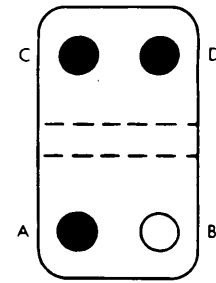


EL9LQ-1000-13

**J17 - M24308/2-5F**

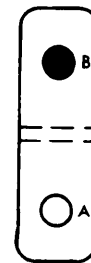
CABLE ASSEMBLY 2A1A2AW40 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J17-25	TB1-5G	131	22	+5V
J17-26	TB1-6G	132	22	GND
J17-27	TB1-9D	137	22	+5V
J17-28	TB1-10D	138	22	GND
J17-29	TB1-11G	139	22	+28V
J17-30	TB1-9E	140	22	+5V
J17-31	TB1-10E	141	22	GND
J17-32	TB1-9F	142	22	+5V
J17-33	TB1-10F	143	22	GND
J17-34	TB1-9G	144	22	+5V
J17-35	TB1-10G	145	22	GND
J17-36	J16-6	152	22	SWITCH RTN
J18-A	R1		22	RESISTOR
J18-B	R1, R2, R3		22	RESISTOR
J18-C	R2		22	RESISTOR
J18-D	R3		22	RESISTOR
P2-A	J2-L	127	22	DST1 DT
P2-B	TB1-7F	128	22	+28V
P3-1	TB1-5B	24	22	+5V
P3-2	TB1-6B	25	22	GND
P3-3	J3-BB	18	22	DST1 GH1
P3-4	J3-z	20	22	DST1 D1
P3-5	J3-y	21	22	DST1 D2
P3-6	J3-x	22	22	DST1 D3
P3-7	J3-w	23	22	DST1 D4
P3-8	J3-AA	19	22	DST1 GH2
P4-A	J4-F	99	22	LAMP PWR, DCT
P4-B	J4-G	100	22	LAMP PWR, DCT
P4-C	J4-H	101	22	LAMP RTN, DCT
P4-D	J4-J	102	22	LAMP RTN, DCT
P5-A	TB1-1D	79	22	+15V
P5-B			22	SPARE
P5-D	CTP4	163	22	GND
P5-H	CTP5	162	22	LASER TEST/DC FLASH PWR
P6-1	J2-N	109	22	DSMB 04
P6-2	J2-P	107	22	DSMB 02
P6-3	J2-S	106	22	DSMB 01
P6-4	J2-M	108	22	DSMB 03
P6-5	TB1-11B	47	22	+28V
P6-6	TB1-7B	46	22	+28V
P6-13	J3-k	42	22	DSMB EN1
P6-14	J3-j	43	22	DSMB EN2
P6-15	TB1-5C	45	22	+5V
P6-16	TB1-6C	44	22	GND
P7-2	J3-b	59	22	DSAF EN2
P7-3	J3-f	58	22	DSAF EN1



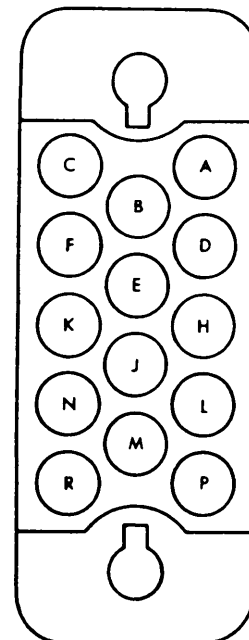
EL9LQ-1000-133A

**J18 - JF3P-1S-ACD**



EL9LQ-1000-12

**P2 - JF1S-1P-A**



EL9LQ-1000-23

**P5 - MS14PM-1**

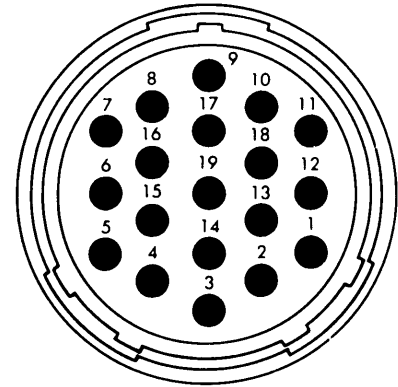


3-13. INNER MODULE 2A1A2 (cont)

3-13

CABLE ASSEMBLY 2A1A2W40 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P7-4	TB1-6D	48	22	GND
P7-5	TB1-5D	49	22	+5V
P7-6	J2-X	113	22	DSFA 04
P7-7	J2-T	111	22	DSFA 02
P7-8	J2-R	110	22	DSFA 01
P7-9	J2-V	112	22	DSFA 03
P7-10	TB1-7C	50	22	+28V
P7-11	TB1-I I C	51	22	+28V
P8-1	J2-j	117	22	DSFC 04
P8-2	J2-f	115	22	DSFC 02
P8-3	J2-e	114	22	DSFC 01
P8-4	J2-h	116	22	DSFC 03
P8-5	TB1-7D	56	22	+28V
P8-6	TB1-I I D	57	22	+28V
P8-7	P9-A	154	22	+5V
P8-9	CTP3	158	22	GND
P8-13	J3-U	52	22	DSFC EN1
P8-14	J3-R	53	22	DSFC EN2
P8-15	CTP1	55	22	+5V
P8-16	CTP3	54	22	GND
P8-17	P9-C	155	22	+5V
P8-18	CTP3	157	22	GND
P8-19	CTP2	39	22	DSFC L1
P9-A	P8-7	154	22	+5V
P9-B	CTP1	153	22	+5V
P9-C	P8-17	155	22	+5V
P9-D	CTP2	156	22	DSFC L1
P11-A	J3-C	75	22	SCI
P11-B	J3-D	74	22	SC2
P11-c	J3-E	73	22	SCG
P12-A	J3-A	77	22	SDI
P12-B	J3-B	76	22	SD2
P12-C	J3-T	78	22	SDG
P13-B	CTP4	161	22	GND
P13-D	CTP5	160	22	+28V
R1	J18-A		22	RESI STOR
R1. R2. R3	J18-B		22	RESI STOR
R2	J18-C		22	RESI STOR
R3	J18-D		22	RESI STOR
TB1-1A	J3-CC	1	22	+15V
TB1-1B	J7-17	13	22	+15V
TB1-1D	P5-A	79	22	SPARE
TB1-2A	J3-DD	2	22	-15V



EL9LQ-1000-24

P6 and P8 - 530504-00

**3-13. INNER MODULE 2A1A2 (cont)****3-13****CABLE ASSEMBLY 2A1A2W40 WIRE LIST (cont)**

<b>FROM</b>	<b>TO</b>	<b>WIRE ID</b>	<b>WIRE SIZE</b>	<b>SIGNAL/FUNCTION</b>
TB1-2B	J7-7	14	22	-15V
TB1-3A	J4-W	90	22	+5V
TB1-3B	J5-A	28	22	+5V
TB1-3C	J8-A	31	22	+5V
TB1-3D	J9-A	34	22	+5V
TB1-3E	J10-A	37	22	+5V
TB1-3F	J13-A	40	22	+5V
TB1-3H	J15-A	92	22	+5V
TB1-3K	TB1-9A	148	22	+5V
TB1-4A	J4-V	91	22	SGN GND
TB1-4B	J5-C	29	22	GND
TB1-4C	J8-C	32	22	GND
TB1-4D	J9-C	35	22	GND
TB1-4E	J10-C	38	22	GND
TB1-4F	J13-C	41	22	GND
TB1-4H	J15-C	93	22	GND
TB1-4K	TB1-10A	149	22	GND
TB1-5A	J3-q	3	22	+5V
TB1-5B	P3-1	24	22	+5V
TB1-5C	P6-15	45	22	+5V
TB1-5D	P7-5	49	22	+5V
TB1-5E	CTP1	166	22	+5V
TB1-5F	J6-5	64	22	+5V
TB1-5G	J17-25	131	22	+5V
TB1-5H	J7-12	15	22	+5V
TB1-6A	J3-r	4	22	SGN GND
TB1-6B	P3-2	25	22	GND
TB1-6C	P6-16	44	22	GND
TB1-6D	P7-4	48	22	GND
TB1-6E	CTP3	164	22	GND
TB1-6F	J6-4	63	22	GND
TB1-6G	J17-26	132	22	GND
TB1-6H	J7-10	16	22	GND
TB1-6J	J7-18	17	22	GND
TB1-6K	CTP4	80	22	GND
TB1-7A	J2-B	146	22	+28V
TB1-7B	P6-6	46	22	+28V
TB1-7C	P7-10	50	22	+28V
TB1-7D	P8-5	56	22	+28V
TB1-7E	J6-10	65	22	+28V
TB1-7F	P2-B	128	22	+28V
TB1-7G	J17-23	135	22	+28V
TB1-7K	TB1-11A	150	22	+28V

**3-13. INNER MODULE 2A1A2 (cont)****3-13****CABLE ASSEMBLY 2A1A2W40 WIRE LIST (cont)**

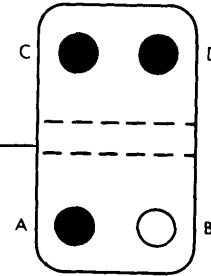
<b>FROM</b>	<b>TO</b>	<b>WIRE ID</b>	<b>WIRE SIZE</b>	<b>SIGNAL/FUNCTION</b>
TB1-8A	J2-C	147	22	PWR GND
TB1-8B	J7-21	130	22	PWR GND
TB1-9A	TB1-3K	148	22	+5V
TB1-9B	J14-A	103	22	+5V
TB1-9C	J17-22	134	22	+5V OPT SENSORS
TB1-9D	J17-27	137	22	+5V
TB1-9E	J17-30	140	22	+5V
TB1-9F	J17-32	142	22	+5V
TB1-9G	J17-34	144	22	+5V
TB1-10A	TB1-4K	149	22	GND
TB1-10B	J14-C	104	22	GND
TB1-10C	J17-21	133	22	SI G GND OPT SENSORS
TB1-10D	J17-28	138	22	GND
TB1-10E	J17-31	141	22	GND
TB1-10F	J17-33	143	22	GND
TB1-10G	J17-35	145	22	GND
TB1-11A	TB1-7K	150	22	+28V
TB1-11B	P6-5	47	22	+28V
TB1-11C	P7-11	51	22	+28V
TB1-11D	P8-6	57	22	+28V
TB1-11E	J6-11	66	22	+28V
TB1-11F	J17-24	136	22	+28V
TB1-11G	J17-29	139	22	+28V
TB1-11H	J7-15	129	22	+28V

3-13. INNER MODULE 2A1A2 (cont)

3-13

CABLE ASSEMBLY 2A1A2W47, 2A1A2W51,  
2A1A2W52, and 2A1A2W53 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	A1-1	1	22	
J1-B	A1-4	2	22	
J1-C	A1-3	3	22	

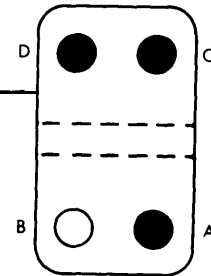


EL9LQ-1000-133A

P1 - JF3P-1S-ACD

CABLE ASSEMBLY 2A1A2W54 AND 2A1A2W55 WIRE LIST

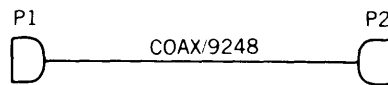
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	E3	1	22	ADJ
J1-B	E1	2	22	OUTPUT
J1-C	E2	3	22	GND
J1-D			22	SPARE



EL9LQ-1000-61B

J1 - JF1S-3PB

CABLE ASSEMBLY 2A1A2W95 WIRE DI AGRAM



EL9LQ-1010-92

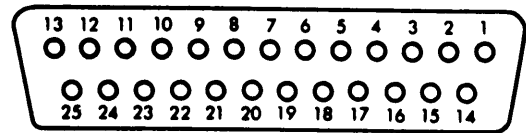


3-13. INNER MODULE 2A1A2 (cont)

3-13

CABLE ASSEMBLY 2A1A2W91 HIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-1	J1-j	1	22	ALC +12V
P1-2	J1-h	1	22	ALC RTN
P1-4	J1-f	3	22	+5V
P1-5	J1-e	3	22	RTN
P1-7	J1-U	12	22	H DATA
P1-8	J1-a	5	22	HO COMPOSITE
P-10	J1-c	5	22	HO COMPOSITE RTN
P1-11	J1-Z	7	22	V01
P1-12	J1-Y	8	22	V02
P1-13	J1-X	9	22	V DATA
P1-14	J1-W	10	22	<b>ROW VG</b>
P1-15	J1-V	11	22	ALC VIDEO
P1-16	STMA	27	22	SHIELD
P1-17	J1-T	13	22	+12V
P1-18	J1-S	14	22	CH1 VIDEO
P1-19	J1-R	14	22	CH1 RTN
P1-20	J1-P	16	22	- 12V
P1-21	J1-N	17	22	CH2 VIDEO
P1-22	J1-M	17	22	CH2 RTN
P1-24	J1-K	19	22	VEE
P1-25	J1-J	20	22	VED
STPW	STP5	32	22	SHIELD
STMA	STP11	31	22	SHIELD
STMA	STP10	30	22	SHIELD
STMA	STP9	29	22	SHIELD
STMA	STP8	28	22	SHIELD
STMA	P1-16	27	22	SHIELD
STMB	J1-L	18	22	SHIELD
STMB	STP6	33	22	SHIELD
STMB	STP4	15	22	SHIELD
STMC	GND	34	22	GND
STMC	J1-A	25	22	SHIELD
STP1	J1-g	2	22	SHIELD
STP2	J1-d	4	22	SHIELD
STP3	J1-b	6	22	SHIELD
STP4	STMB	15	22	SHIELD
STP5	STMA	32	22	SHIELD
STP6	STMB	33	22	SHIELD
STP8	STMA	28	22	SHIELD
STP9	STMA	29	22	SHIELD
STP10	STMA	30	22	SHIELD
STP11	STMA	31	22	SHIELD



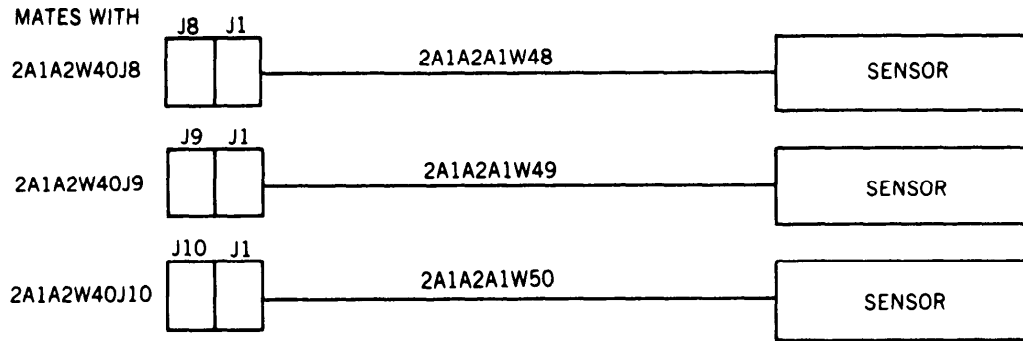
EL9LQ-1000-11

**P1 - M24308/2-3F**

3-14. OPTICS ASSEMBLY 2A1A2A1 (cont)

3-14

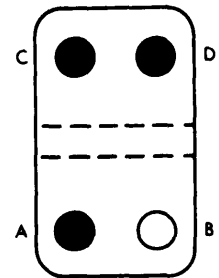
INTERCONNECTION DIAGRAM



EL9LQ-1010-18A

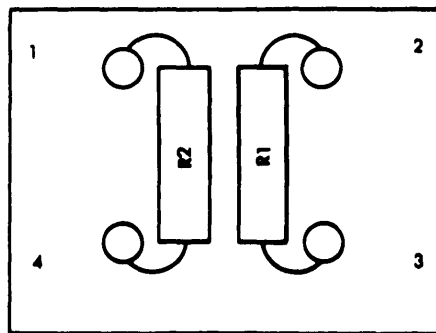
CABLE ASSEMBLY 2A1A2A1W48, 2A1A2A1W49, AND 2A1A2A1W50 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-A	A1-1	1	22	
J1-B	A1-4	2	22	
J1-C	A1-3	3	22	



EL9LQ-1000-133A

J1 - JF3P-1S-ACD



EL9LQ-1000-63A

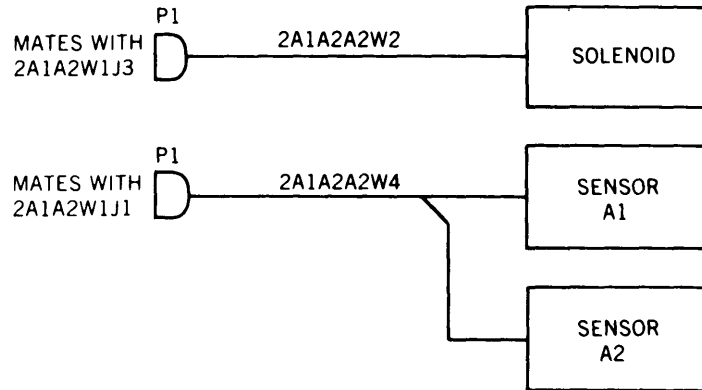
A1 - 13082472

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**3-16. SHUTTER ASSEMBLY 2A1A2A2**

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**INTERCONNECTION DIAGRAM**



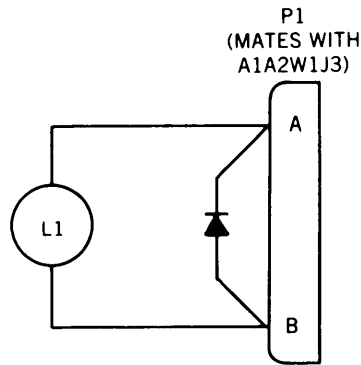
EL9LQ-1010-20B



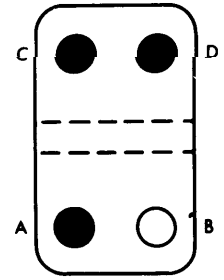
3-16. SHUTTER ASSEMBLY 2A1A2A2 (cont)

3-16

CABLE ASSEMBLY 2A1A2AN2 WIRE DIAGRAM



EL9LQ-1010-21

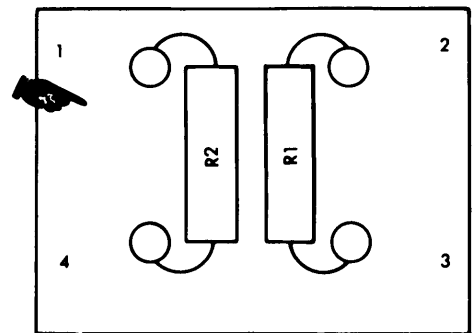


EL9LQ-1000-133A

P1 - JF3P-1S-ACD

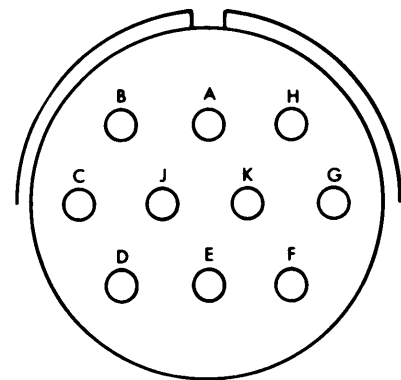
CABLE ASSEMBLY 2A1A2A2W4 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
A1-1	P1-A	1	22	+5 VDC
A1-3	P1-B	2	22	GND
A1-4	P1-C	3	22	DC SHUTTER OPEN
A2-1	P1-D	4	22	+5 VDC
A2-3	P1-E	5	22	GND
A2-4	P1-F	6	22	DC SHUTTER CLOSED
P1-A	A1-1	1	22	+5 VDC
P1-B	A1-3	2	22	GND
P1-C	A1-4	3	22	DC SHUTTER OPEN
P1-D	A2-1	4	22	+5 VDC
P1-E	A2-3	5	22	GND
P1-F	A2-4	6	22	DC SHUTTER CLOSED



EL9LQ-1000-63A

A1 and A2 - 13082472



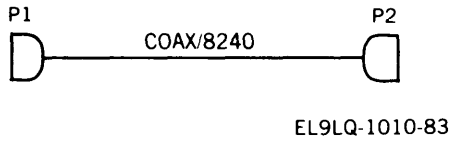
EL9LQ-1000-14

P1 - MS3116E12-10S

3-16.1. RADIOMETER ASSEMBLY 2A1A2A3

3-16.1

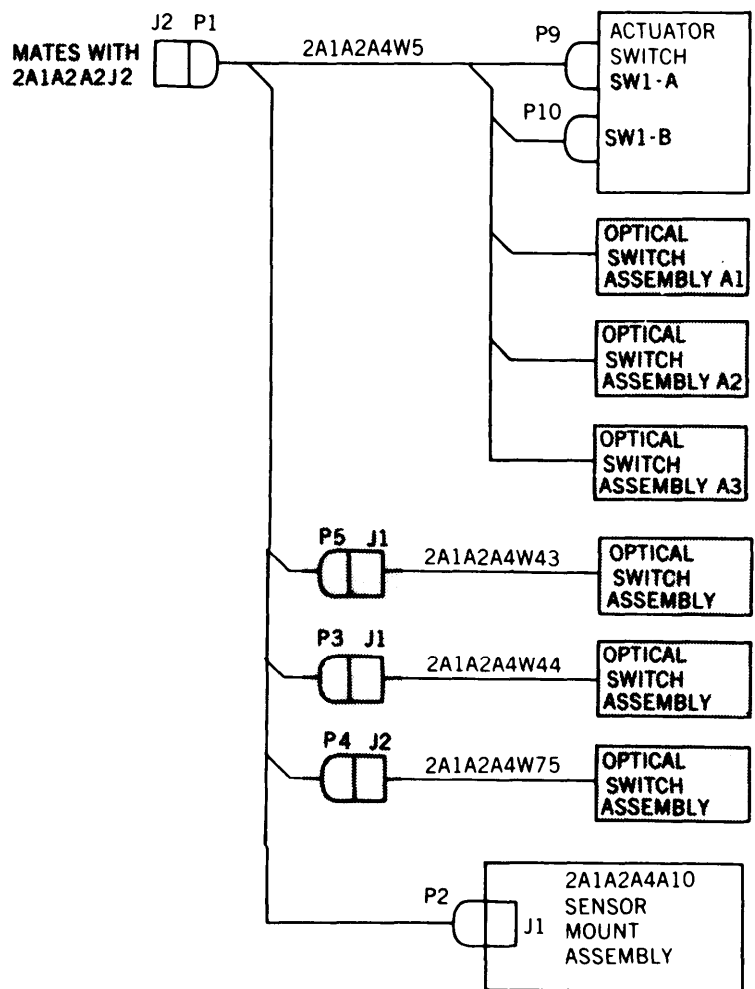
CABLE ASSEMBLY 2A1A2A3W41 , 2A1A2A3W42, 2A1A2A3W43, AND 2A1A2A3W44 WIRE DIAGRAM



3-17. DAYSIDE SENSOR MOUNT ASSEMBLY 2A1A2A4

3-17

INTERCONNECTION DIAGRAM



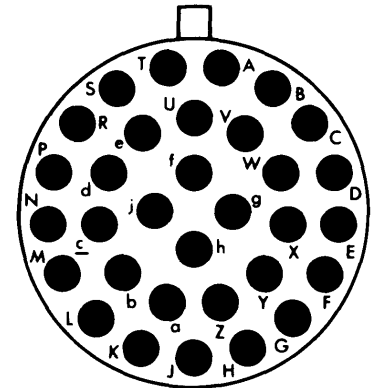
EL9LQ-1010-22A

3-17. DAYSIDE SENSOR MOUNT ASSEMBLY 2A1A2A4 (cont)

3-17

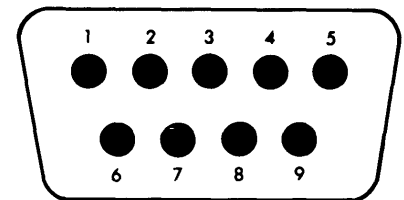
CABLE ASSEMBLY 2A1A2A4W5 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
A1-1	P1-s	16	22	+5V
A1-3	P1-u	18	22	GND
A1-4	P1-T	17	22	CARRIAGE SENSOR #1
A2-1	P1-v	19	RET CORD	+5V
A2-3	P1-x	21	RET CORD	GND
A2-4	P1-w	20	RET CORD	ATTEN SENSOR #1
A3-1	P1-Y	22	RET CORD	+5V
A3-3	P1-a	24	RET CORD	GND
A3-4	P1-z	23	RET CORD	ATTEN SENSOR #2
P1-A	P2-1	1	22	+5V
P1-B	P2-2	2	22	ARM SENSOR #1
P1-c	P2-3	3	22	GND
P1-D	P2-4	4	22	+5V
P1-E	P2-5	5	22	ARM SENSOR #2
P1-F	P2-6	6	22	GND
P1-G	P3-A	7	22	+5V
P1-H	P3-B	8	22	SHIELD SENSOR #2
P1-J	P3-C	9	22	GND
P1-K	P4-A	10	22	+5V
P1-L	P4-B	11	22	SHIELD SENSOR #1
P1-M	P4-C	12	22	GND
P1-N	P5-A	13	22	+5V
P1-P	P5-B	14	22	CARRIAGE SENSOR #2
P1-R	P5-C	15	22	GND
P1-s	A1-1	16	22	+5V
P1-T	A1-4	17	22	CARRIAGE SENSOR #1
P1-u	A1-3	18	22	GND
P1-v	A2-1	19	RET CORD	+5V
P1-w	A2-4	20	RET CORD	ATTEN SENSOR #1
P1-x	A2-3	21	RET CORD	GND
P1-Y	A3-1	22	RET CORD	+5V
P1-z	A3-4	23	RET CORD	ATTEN SENSOR #2
P1-a	A3-3	24	RET CORD	GND
P1-b	P9	25	22	SWITCH
P1-c	P10	26	22	SWITCH RTN
P2-1	P1-A	1	22	+5V
P2-2	P1-B	2	22	ARM SENSOR #1
P2-3	P1-c	3	22	GND
P2-4	P1-D	4	22	+5V
P2-5	P1-E	5	22	ARM SENSOR #2
P2-6	P1-F	6	22	GND
P3-A	P1-G	7	22	+5V
P3-B	P1-H	8	22	SHIELD SENSOR #2



EL9LQ-1000-46

**P1 - MS3116E18-32P**



EL9LQ-1000-10

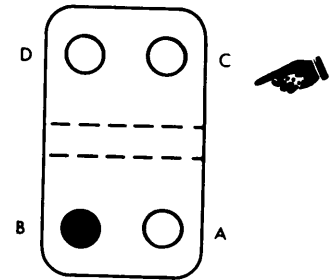
**P2 - M24308/4-1**

**3-17. DAYSIDE SENSOR MOUNT ASSEMBLY 2A1A2A4 (cont)**

3-17

**CABLE ASSEMBLY 2A1A2A4W5 WIRE LIST (cont)**

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P3-C	P1-J	9	22	GND
P4-A	P1-K	10	22	+5V
P4-B	P1-L	11	22	SHIELD SENSOR #1
P4-C	P1-M	12	22	GND
P5-A	P1-N	13	22	+5V
P5-B	P1-P	14	22	CARRIAGE SENSOR #2
P5-C	P1-R	15	22	GND
P9	P1-b	25	22	SWITCH
P10	P1-c	26	22	SWITCH RTN

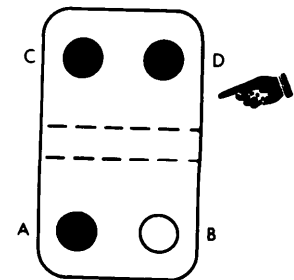


EL9LQ-1000-4A

**P3 thru P5 - JF3S-1P-ACD**

**CABLE ASSEMBLY 2A1A2A4W43 WIRE LIST**

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-A	A1-1		22	+5V
J1-B	A1-4		22	CARRIAGE SENSOR #2
J1-C	A1-3		22	GND

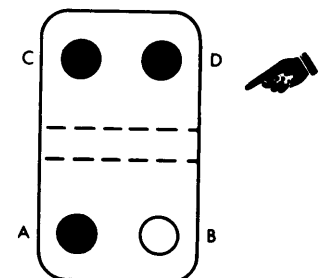


EL9LQ-1000-133A

**J1 - JF3P-1S-ACD**

**CABLE ASSEMBLY 2A1A2A4W44 WIRE LIST**

FROM	To	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-A	A1-1		22	+5V
J1-B	A1-4		22	SHIELD SENSOR #2
J1-C	A1-3		22	GND



EL9LQ-1000-133A

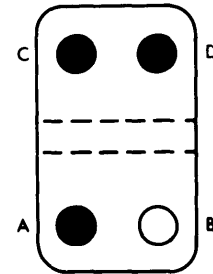
**J1 - JF3P-1S-ACD**

3-17. DAYSIDE SENSOR MOUNT ASSEMBLY 2A1A2A4 (cont)

3-17

CABLE ASSEMBLY 2A1A2A4W75 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-A	A1-1		22	+5V
J1-B	A1-4		22	SHIELD SENSOR #1
J1-C	A1-3		22	GND



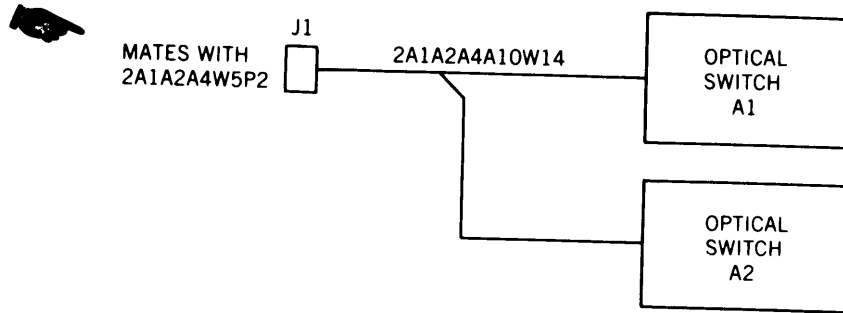
EL9LQ-1000-133A

J1 - JF3P-1S-ACD

3-18. SENSOR MOUNT ASSEMBLY 2A1A2A4A10

3-18

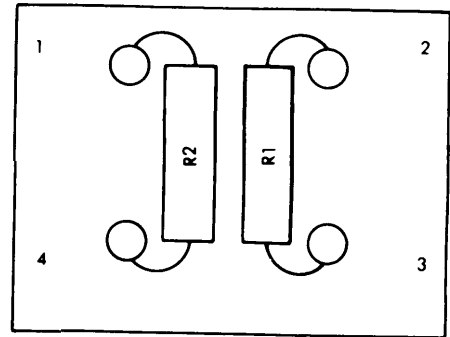
INTERCONNECTION DIAGRAM



EL9LQ-1010-23A

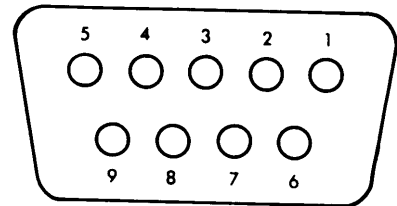
CABLE ASSEMBLY 2A1A2A4A10W14 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
A1-E1	J1-1		22	+5 VDC
A1-E4	J1-2		22	ARM SENSOR #1
A1-E3	J1-3		22	GND
A2-E1	J1-4		22	+5 VDC
A2-E4	J1-5		22	ARM SENSOR #2
A2-E3	J1-6		22	GND
J1-1	A1-E1		22	+5 VDC
J1-2	A1-E4		22	ARM SENSOR #1
J1-3	A1-E3		22	GND
J1-4	A2-E1		22	+5 VDC
J1-5	A2-E4		22	ARM SENSOR #2
J1-6	A2-E3		22	GND



EL9LQ-1000-63A

A1 and A2- 13082472



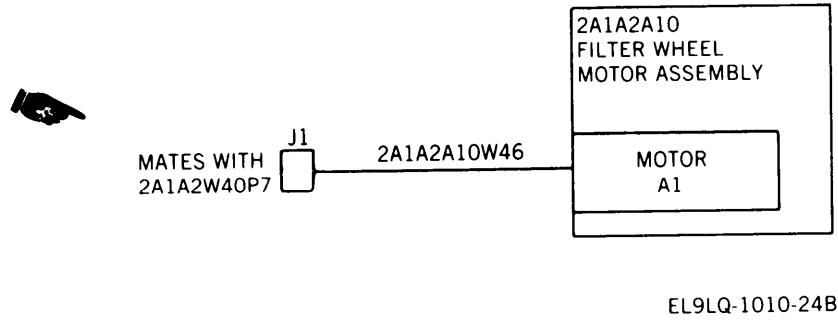
EL9LQ-1000-10

J1 -M24308/2-1

3-19. FILTER WHEEL MOTOR ASSEMBLY 2A1A2A10

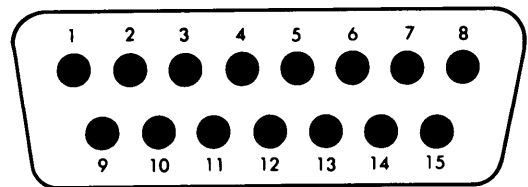
3-19

INTERCONNECTION DIAGRAM



CABLE ASSEMBLY 2A1A2A10W46 WIRE LIST

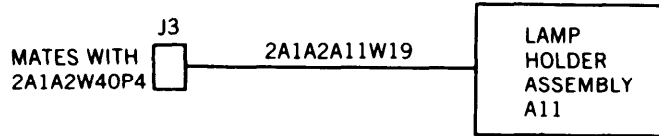
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
M1	J1-1	1		
M1	J1-2	2		DSAF EN2
M1	J1-3	3		DSAF EN1
M1	J1-4	4		GND
M1	J1-5	5		+5 VDC
M1	J1-6	6		DSAF Ø4
M1	J1-7	7		DSAF Ø2
M1	J1-8	8		DSAF Ø1
M1	J1-9	9		DSAF Ø3
M1	J1-10	10		+28 VDC
M1	J1-11	11		+28 VDC
J1-1	M1	1		
J1-2	M1	2		DSAF EN2
J1-3	M1	3		DSAF EN1
J1-4	M1	4		GND
J1-5	M1	5		+5 VDC
J1-6	M1	6		DSAF Ø4
J1-7	M1	7		DSAF Ø2
J1-8	M1	8		DSAF Ø1
J1-9	M1	9		DSAF Ø3
J1-10	M1	10		+28 VDC
J1-11	M1	11		+28 VDC



EL9LQ-1000-5

J1 - M24308/4-2

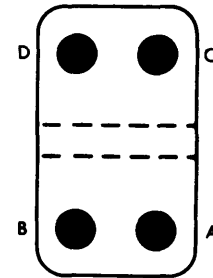
INTERCONNECTION DIAGRAM



EL9LQ-1010-25A

CABLE ASSEMBLY 2A1A2A11W19 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
DS1-1	J3-A	1	20	LAMP
DS1-2	J3-B	2	20	LAMP
E1	J3-C	3	20	LAMP RTN
E2	J3-D	4	20	LAMP RTN
J3-A	DS1-1	1	20	LAMP
J3-B	DS1-2	2	20	LAMP
J3-C	E1	3	20	LAMP RTN
J3-D	E2	4	20	LAMP RTN



EL9LQ-1000-134

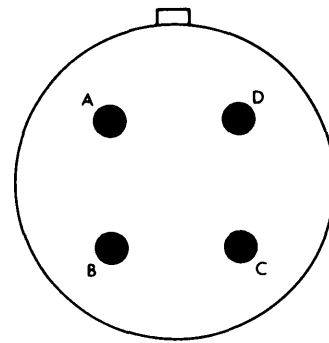
J3 - JF2P-2P





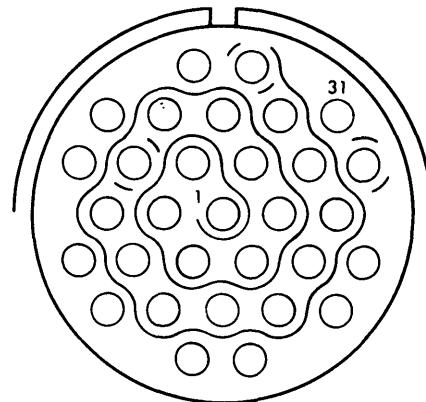
LASER PROTECTIVE COVER ASSEMBLY 2A1A2A19 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-u	P1-17	32	22	SHUTTER
J1-v	P1-16	31	22	TRIGGER SIG RTN
J1-w	P1-15	30	22	POCKELS CELL SIGNAL
J1-x	P1-14	29	22	PNF SIGNAL
J1-y	P1-13	28	22	FLASH LAMP SIGNAL
J1-z	P1-l	25	22	QUENCH
J1-AA	P1-11	27	24	HI -V RTN
J1-HH	P1-9	26	24	HI -V 1000V
J2-A	J1-N	10	22	FIRE SWITCH
J2-B	DS1-2	15	22	
P1-l	J1-z	25	22	QUENCH
P1-2	J1-g	45	22	SPARE
P1-3	J1-c	17	22	+28V INTERLOCKED
P1-4	J1-b	18	22	+28V SW INTERLOCKED
P1-5	J1-X	22	22	+28V RTN
P1-6	S4-1	9	22	INTERLOCK IN
P1-7	J1-d	16	22	INTERLOCK OUT
P1-9	J1-HH	26	24	HI -V 1000V
P1-l 0	J1-h	42	22	SPARE
P1-11	J1-AA	27	24	HI -V RTN
P1-12	TM-1	47	22	CHASSIS GND
P1-13	J1-y	28	22	FLASH LAMP SIGNAL
P1-14	J1-x	29	22	PNF SIGNAL
P1-15	J1-w	30	22	POCKELS CELL SIGNAL
P1-16	J1-v	31	22	TRIGGER SIG RTN
P1-17	J1-u	32	22	SHUTTER
P1-18	J1-t	33	22	SHUTTER DRIVE
P1-19	J1-s	34	22	HV ADJUST
P1-20	J1-r	35	22	HV ADJUST RTN
P1-21	J1-f	43	22	SPARE
P1-22	J1-e	44	22	SPARE
P1-23	J1-q	36	22	OVER TEMP
P1-24	J1-p	37	22	COOLANT LOW
P1-25	J1-n	38	22	BUFFER SHUTTER CMD
P1-26	J1-Z	20	22	115 VAC 400 HZ Ø
P1-27	J1-a	19	22	-15V INTERLOCKED
P1-28	J1-Y	21	22	115 VAC 400 HZ COM
P1-29	J1-V	24	22	SIGNAL RTN
P1-30	J1-m	39	22	LASER FAIL
P1-31	J1-k	40	22	LOW POWER



EL9LQ-1000-136

**J2 - MS3114E8 -4S**



EL9LQ-1000-77A

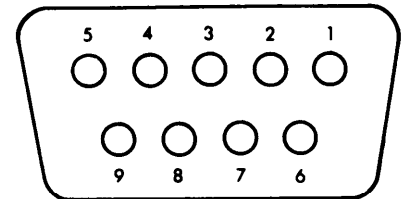
**P1 - M83723/77R1831N**

3-20.1 LASER PROTECTIVE COVER ASSEMBLY 2A1A2A19 (cont)

3-20.1

LASER PROTECTIVE COVER ASSEMBLY 2A1A2A19 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-1	J1-U	1	22	INTERLOCK +28V
P2-6	S2-C	3	22	FIRE SWITCH
P3-A	S3-1	50	22	
P3-B	S3-2	51	22	TP COVER #1
P3-C	S3-2	52	22	
S1-C	J1-S	4	22	
S1-C	S2-NO	5	22	TP SHUTTER
S1-NO	S4-C	7	22	
S2-C	J1-T	2	22	FIRE SWITCH
S2-C	P2-6	3	22	
S2-NO	S1-C	5	22	TP KEY
S3-1	P3-A	50	22	
S3-2	P3-B	51	22	
S3-2	P3-C	52	22	INTERLOCK IN
S4-1	J1-P	8	22	
S4-1	P1-6	9	22	TP COVER #2
S4-C	J1-R	6	22	
S4-C	S1-NO	7	22	CHASSIS GND
TM- 1	EI	48	22	
TM-1	J1-W	46	22	
TM- 1	P1-12	47	22	CHASSIS GND



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P2 - M24308/2-1



Section VI. TEST CONSOLE TEST BENCH 2A2  
WIRING DATA

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Interconnection Diagram . . . . .		3-22	3-152
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Cable Assembly 2A2W5 Wire List . . . . .	13082352	3-22	3-163
Cable Assembly 2A2W6 Wire Diagram . . . . .	13082360	3-22	3-167
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Section VI. TEST CONSOLE TEST BENCH 2A2  
WIRING DATA (cont)

Subject	Part No.	Para	Page
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Interconnection Diagram 2A2A3 . . . . .		3-23	3-226
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Interconnection Diagram 2A2A7 . . . . .		3-24	3-231
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Cable Assembly 2A2A13W2 . . . . .	<b>13082276-4</b>	3-24. 1	3-279

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3-21. GENERAL

3-21

- 
- a. This section provides wiring and interconnection data for cables that connect within the test console test bench.
  - b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.
  - c. The information is presented in cable reference designator sequence. Each paragraph contains an interconnection diagram followed by cable wire list data for all cables of that unit, assembly, or subassembly as listed above. Simple cables are shown by diagram.

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3-22. TEST CONSOLE TEST BENCH 2A2

3-22

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INTERCONNECTION DIAGRAM

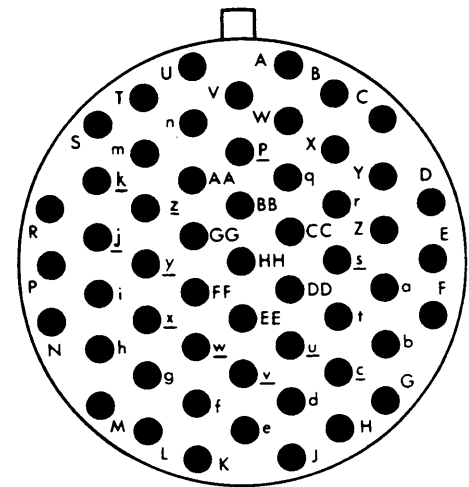
For the test console test bench 2A2 interconnection diagram, refer to F0-39.

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W1 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	P1-Y	66	22	SHI ELD
E1	P2-Y	64	22	SHI ELD
E1	P3-Y	65	22	SHI ELD
E2	J1-E	67	22	GND
J1-E	E2	67	22	GND
J1-J	STP3	97	22	SHI ELD
J1-K	P6-12	62	22	PP/S #4 PROG I
J1-L	P6-15	63	22	PP/S #4 PROG V
J1-M	P6-3	60	22	PP/S #3 PROG I
J1-N	STP5	99	22	SHI ELD
J1-S	P4-6	57	22	PP/S #1 PROG V
J1-T	P4-4	57	22	PP/S #1 COM
J1-U	STP8	102	22	SHI ELD
J1-d	STP2	96	22	SHI ELD
J1-e	P6-10	62	22	PP/S #4 COM
J1-f	P6-13	63	22	PP/S #4 COM
J1-g	P6-4	61	22	PP/S #3 COM
J1-h	STP4	98	22	SHI ELD
J1-i	P4-12	58	22	PP/S #2 PROG I
J1-j	P4-15	59	22	PP/S #2 PROG V
J1-k	P4-3	56	22	PP/S #1 PROG I
J1-m	P4-1	56	22	PP/S #1 COM
J1-n	P6-6	61	22	PP/S #3 PROG V
J1-p	STP1	95	22	SHI ELD
J1-v	STP6	100	22	SHI ELD
J1-w	STP7	101	22	SHI ELD
J1-x	P6-1	60	22	PP/S #3 COM
J1-y	P4-10	58	22	PP/S #2 COM
J1-z	P4-13	59	22	PP/S #2 COM
P1-B	STMA	103	22	SHI ELD
P1-c	P5-A	1	22	SAO
P1-D	P5-E	2	22	SBO/OSA PMT TEMP
P1-E	P5-H	3	22	SCO/DC MIRROR B TEMP
P1-F	P5-K	4	22	SJO
P1-H	P5-M	5	22	SDO/DC MIRROR A TEMP
P1-J	P5-S	6	22	SFO
P1-K	STMC	109	22	SHI ELD
P1-L	P5-U	7	22	SGO/FLI R SOURCE 1 TEMP
P1-M	P5-AJ	8	22	SHO/FLI R SOURCE 2 TEMP
P1-N	P5-AS	9	22	SIO/FLI R SOURCE 3 TEMP
P1-P	P5-AU	10	22	CHECK PT
P1-R	STME	115	22	SHI ELD
P1-S	P5-BD	11	22	MINCO PROBE OUT



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J1 - KP28F22 - 55P



EL9LQ-1000-53 A

**P1 thru P3-AC-80**

## CABLE ASSEMBLY 2A2W1 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-T	P5-BK	12	22	A/D SELF TEST
P1-Y	EI	66	22	SHI ELD
P1-2	STMB	106	22	SHI ELD
P1-3	P5-B	1	22	SAG
P1-4	P5-F	2	22	SBG
P1-5	P5-J	3	22	SEG
P1-6	P5-L	4	22	SJG
P1-7	P5-N	5	22	SDG
P1-8	P5-T	6	22	SFG
P1-9	STMD	112	22	SHI ELD
P1-I0	P5-V	7	22	SGG
P1-11	P5-AR	8	22	SHG
P1-12	P5-AT	9	22	SIG
P1-13	P5-AY	10	22	CHECK POINT GND
P1-14	STMF	118	22	SHI ELD
P1-15	P5-BJ	11	22	MINCO PROBE OUT RTN
P1-16	P5-BL	12	22	A/D SELF TEST RTN
P2-C	P5-BM	13	22	A/D SELF TEST
P2-D	P5-BP	15	22	I R SOURCE #1/DBA TE DR A
P2-E	P5-BS	17	22	I R SOURCE #3/DBA TE DR C
P2-F	P5-BV	19	22	DC LASER SIM AMP
P2-H	P5-CA	21	22	OSG LIGHT DETECTOR
P2-J	P5-CC	23	22	I R BORESIGHT 2
P2-L	P5-CE	25	22	I R BORESIGHT 4
P2-M	P5-AV	21	22	HV/300
P2-N	P5-AX	123	22	SPARE
P2-P	P5-BY	125	22	ST NST2 DT
P2-S	P5-BB	127	22	ST Ø1
P2-T	P5-BE	129	22	ST Ø3
P2-Y	EI	64	22	SHI ELD
P2-3	P5-BN	14	22	A/D SELF TEST
P2-4	P5-BR	16	22	I R SOURCE #2/DBA TE DR B
P2-5	P5-BT	18	22	DC LASER SIM TP
P2-6	P5-BW	20	22	DC LASER SIM LSPWR
P2-7	P5-CB	22	22	I R BORESIGHT 1
P2-8	P5-CD	24	22	I R BORESIGHT 3
P2-10	P5-CF	26	22	SPARE
P2-11	P5-AW	122	22	SPARE
P2-12	P5-BX	124	22	ST NST1 DT
P2-13	P5-BZ	126	22	ST NST1 DT
P2-15	P5-BC	128	22	ST Ø2
P2-16	P5-BF	130	22	ST Ø4
P3-C	P5-CH	27	22	A/D SELF TEST

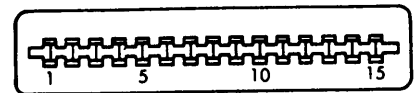


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W1 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P3-D	P5-CK	29	22	+28 VDC FPS TP
P3-E	P5-CM	31	22	-15 VDC FPS TP
P3-F	P5-CP	33	22	ID11-1 (SELF TEST)
P3-H	P5-CS	35	22	SPARE
P3-J	P5-CW	37	22	SPARE
P3-L	P5-CY	39	22	OD11-1 (SELF TEST)
P3-M	P5-DB	41	22	A/D GND
P3-N	P5-AD	43	22	SELF TEST
P3-P	P5-AF	45	22	SYNC LEVEL
P3-S	P5-AK	47	22	SINE WAVE LEVEL
P3-T	P5-AM	49	22	LASER SIM PWR LEVEL
P3-Y	EI	65	22	SHIELD
P3-3	P5-CJ	28	22	A/D SELF TEST
P3-4	P5-CL	30	22	+15 VDC FPS TP
P3-5	P5-CN	32	22	+5 VDC FPS TP
P3-6	P5-CR	34	22	ID11-2 -BAR (SELF TEST)
P3-7	P5-CT	36	22	SPARE
P3-8	P5-CX	38	22	SPARE
P3-10	P5-CZ	40	22	OD11-2 -BAR (SELF TEST)
P3-11	P5-AC	42	22	SELF TEST
P3-12	P5-AE	44	22	SELF TEST
P3-13	P5-AH	46	22	WINDOW #1 LEVEL
P3-15	P5-AL	48	22	CAMERA VIDEO LEVEL
P4-1	J1-m	56	22	PP/S #1 COM
P4-3	J1-k	56	22	PP/S #1 PROG I
P4-4	J1-T	57	22	PP/S #1 COM
P4-6	J1-S	57	22	PP/S #1 PROG V
P4-10	J1-y	58	22	PP/S #2 COM
P4-12	J1-i	58	22	PP/S #2 PROG I
P4-13	J1-z	59	22	PP/S #2 COM
P4-15	J1-j	59	22	PP/S #2 PROG V
P5-A	P1-c	1	22	SAO
P5-B	P1-3	1	22	SAG
P5-E	P1-D	2	22	SBO/OSA PMT TEMP
P5-F	P1-4	2	22	SBG
P5-H	P1-E	3	22	SCO/DC MIRROR B TEMP
P5-J	P1-5	3	22	SEQ
P5-K	P1-F	4	22	S J0
P5-L	P1-6	4	22	SJG
P5-M	P1-H	5	22	SDO/DC MIRROR A TEMP
P5-N	P1-7	5	22	SDG
P5-S	P1-J	6	22	SFO
P5-T	P1-8	6	22	SFG



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**P4 and P6 - AC85**



## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W1 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P5-CF	P2-10	26	22	SPARE
P5-CH	P3-C	27	22	A/D SELF TEST
P5-CJ	P3-3	28	22	A/D SELF TEST
P5-CK	P3-D	29	22	+28 VDC FPS TP
P5-CL	P3-4	30	22	+15 VDC FPS TP
P5-CM	P3-E	31	22	-15 VDC FPS TP
P5-CN	P3-5	32	22	+5 VDC FPS TP
P5-CP	P3-F	33	22	ID11-1 (SELF TEST)
P5-CR	P3-6	34	22	ID11-2 -BAR (SELF TEST)
P5-CS	P3-H	35	22	SPARE
P5-CT	P3-7	36	22	SPARE
P5-ck	P3-J	37	22	SPARE
P5-CX	P3-8	38	22	SPARE
P5-CY	P3-L	39	22	OD11-1 (SELF TEST)
P5-CZ	P3-10	40	22	OD11-2 -BAR (SELF TEST)
P5-DB	P3-M	41	22	A/D GND
P6-1	J1-x	60	22	PP/S #3 COM
P6-3	J1-M	60	22	PP/S #3 PROG I
P6-4	J1-g	61	22	PP/S #3 COM
P6-6	J1-n	61	22	PP/S #3 PROG V
P6-10	J1-e	62	22	PP/S #4 COM
P6-12	J1-K	62	22	PP/S #4 PROG I
P6-13	J1-f	63	22	PP/S#4 COM
P6-15	J1-L	63	22	PP/S #4 PROG V
STMA	Pi -B	103	22	SHI ELD
STMA	STP9	104	22	SHI ELD
STMA	STP10	105	22	SHI ELD
STMB	P1-2	106	22	SHI ELD
STMB	STP11	107	22	SHI ELD
STMB	STP12	108	22	SHI ELD
STMC	P1-K	109	22	SHI ELD
STMC	STP13	110	22	SHI ELD
STMC	STP14	111	22	SHI ELD
STMD	P1-9	112	22	SHI ELD
STMD	STP15	113	22	SHI ELD
STMD	STP16	114	22	SHI ELD
STME	P1-R	115	22	SHI ELD
STME	STP17	116	22	SHI ELD
STME	STP18	117	22	SHI ELD
STMF	P1-14	118	22	SHI ELD
STMF	STP19	119	22	SHI ELD
STMF	STP20	120	22	SHI ELD
STP1	J1-p	95	22	SHI ELD

CABLE ASSEMBLY 2A2W1 WIRE LIST (cont)

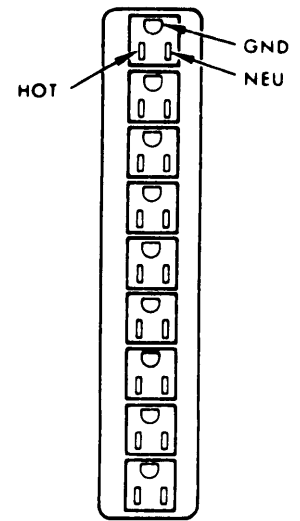
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
STP2	J1-d	96	22	<b>SHIELD</b>
STP3	J1-J	97	22	<b>SHIELD</b>
STP4	J1-h	98	22	<b>SHIELD</b>
STP5	J1-N	99	22	<b>SHIELD</b>
STP6	J1-v	100	22	<b>SHIELD</b>
STP7	J1-w	101	22	<b>SHIELD</b>
STP8	J1-u	102	22	<b>SHIELD</b>
STP9	STMA	104	22	<b>SHIELD</b>
STP10	STMA	105	22	<b>SHIELD</b>
STP11	STMB	107	22	<b>SHIELD</b>
STP12	STMB	108	22	<b>SHIELD</b>
STP13	STMC	110	22	<b>SHIELD</b>
STP14	STMC	111	22	<b>SHIELD</b>
STP15	STMD	113	22	<b>SHIELD</b>
STP16	STMD	114	22	<b>SHIELD</b>
STP17	STME	116	22	<b>SHIELD</b>
STP18	STME	117	22	<b>SHIELD</b>
STP19	STMF	119	22	<b>SHIELD</b>
STP20	STMF	120	22	<b>SHIELD</b>

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

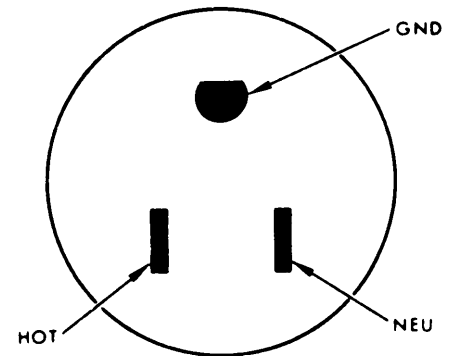
CABLE ASSEMBLY 2A2W2 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
A1 -HOT	J11 -A	1	12	115 VAC
A1-NEU	J11 -C	3	↑	NEUT
A1-GND	J11 -E	5		CHASSI S GND
A2-HOT	J11 -B	2		115 VAC
A2-HOT	J3-BRS	7		
A2-NEU	J11-D	4		NEUT
A2-NEU	J3-SI L	8		
A2-GND	J11-F	6		CHASSI S GND
A2-GND	J3-GRN	9		
J3-BRS	A2-HOT	7		
J3-SI L	A2-NEU	8		
J3-GRN	A2-GND	9		
J11 -A	A1 -HOT	1		115 VAC
↑ -B	A2-HOT	2		115 VAC
-C	A1-NEU	3		NE UT
-D	A2-NEU	4		NE UT
↓ -E	A1-GND	5		CHASSI S GND
J11 -F	A2-GND	6	12	CHASSI S GND



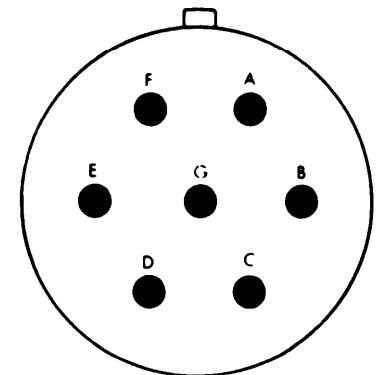
EL9LQ-1000-38

A1 and A2 - 218MOD-NO-CORD



EL9LQ-1000-71

J3 - 5256

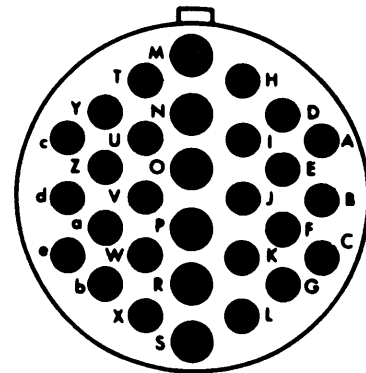


EL9LQ-1000-37

J11 - MS3100A24-2P

CABLE ASSEMBLY 2A2W3 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	J2-H	3	16	+5 VDC
E1	J2-M	1	12	+5 VDC
E2	J2-N	2	12	+5 VDC
E4	J2-J	6	16	+5v GND
E4	J2-O	4	12	+5v GND
E5	J2-P	5	12	+5v GND
E7	J2-T	7	16	+15 VDC
E7	J2-U	9	16	+15 VDC
E7	J2-Y	8	16	+15 VDC
E10	J2-c	10	16	+15V MD
E10	J2-d	11	16	+15V GND
E10	J2-Z	12	16	+15V MD
E13	J2-B	13	16	-15V GND
E13	J2-C	15	16	-15V GND
E13	J2-F	14	16	-15V GND
E16	J2-G	17	16	-15 VDC
E16	J2-K	16	16	-15 VDC
E16	J2-L	18	16	-15 VDC
E19	J2-D	19	16	+28 VDC
E19	J2-I	20	16	+28 VDC
E21	J2-A	21	16	+28V GND
E21	J2-E	22	16	+28V GND
E21	J2-X	23	16	+28V GND
J2-A	E21	21	16	+28V GND
J2-B	E13	13	16	-15V GND
J2-C	E13	15	16	-15V GND
J2-D	E19	19	16	+28 VDC
J2-E	E21	22	16	+28V GND
J2-F	E13	14	16	-15V GND
J2-G	E16	17	16	-15 VDC
J2-H	E1	3	16	+5 VDC
J2-I	E19	20	16	+28 VW
J2-J	E4	6	16	+5V GND
J2-K	E16	16	16	-15 VDC
J2-L	E16	18	16	-15 VDC
J2-M	E1	1	12	+5 VDC
J2-N	E2	2	12	+5 VDC
J2-O	E4	4	12	+5v GND
J2-P	E5	5	12	+5v GND
J2-T	E7	7	16	+15 VDC
J2-U	E7	9	16	+15 VDC
J2-X	E21	23	16	+28v VDC
J2-Y	E7	8	16	+15 VDC
J2-Z	E10	12	16	+15v GND
J2-c	E10	10	16	+15v GND
J2-d	E 10	11	16	+15v GND



EL9LQ-1000-35

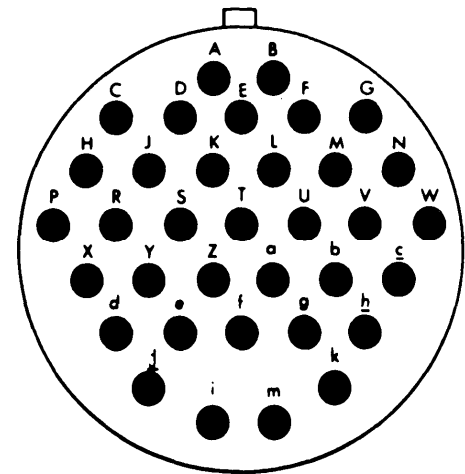
**J2 - MS3100F32-8P**

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W4 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	J3-B	2	16	PS4 +OUT
E2	J3-E	2	16	PS4 +OUT
E3	J3-F	2	16	PS4 +S
E5	J3-D	5	16	PS4 -OUT
E6	J3-H	5	16	PS4 -OUT
E7	J3-J	5	16	PS4 -S
E8	J3-j	1	16	SHI ELD
E8	STM1	26	22	SHI ELD
E9	J3-M	8	16	PS2 -OUT
E10	J3-N	8	16	PS2 -OUT
E11	J3-U	8	16	PS2 -S
E13	J3-K	11	16	PS3 +OUT
E14	J3-L	11	16	PS3 +OUT
E15	J3-S	11	16	PS3 +S
E17	J3-V	14	16	PS2 +OUT
E18	J3-b	14	16	PS2 +OUT
E19	J3-c	14	16	
E21	J3-P	17	16	PS3 -OUT
E22	J3-R	17	16	PS3 -OUT
E23	J3-Y	17	16	PS3 -S
E25	J3-Z	20	16	PS1 +OUT
E 26	J3-d	20	16	PS1 +OUT
E27	J3-e	20	16	PS1 +S
E 29	J3-g	23	16	PS1 -OUT
E 30	J3-h	23	16	PS1 -OUT
E 31	J3-k	23	16	PS1 -s
J3-A	STPJ	4	22	SHI ELD
J3-B	E1	2	16	PS4 +OUT
J3-C	STPK	7	22	SHI ELD
J3-D	E5	5	16	PS4 -OUT
J3-E	E2	2	16	PS4 +OUT
J3-F	E3	2	16	PS4 +S
J3-G	STPL	10	22	SHI ELD
J3-H	E6	5	16	PS4 -OUT
J3-J	E7	5	16	PS4 -S
J3-K	E13	11	16	PS3 +OUT
J3-L	E14	11	16	PS3 +OUT
J3-M	E9	8	16	PS2 -OUT
J3-N	E10	8	16	PS2 -OUT
J3-P	E21	17	16	PS3 -OUT
J3-R	E22	17	16	PS3 -OUT
J3-S	E15	11	16	PS3 +S
J3-T	STPM	13	22	SHI ELD



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**J3 - MS3100E28-15P**

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W4 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J3-U	E11	8	16	PS2 -S
J3-V	E17	14	16	PS2 +OUT
J3-W	STPN	16	22	SHI ELD
J3-X	STPP	19	22	SHI ELD
J3-Y	E23	17	16	PS3 -S
J3-Z	E25	20	16	PS1 +OUT
J3-b	E18	14	16	PS2 +OUT
J3-c	E19	14	16	PS2 +S
J3-d	E26	20	16	PS1 +OUT
J3-e	E27	20	16	PSI +S
J3-f	STPR	22	22	SHI ELD
J3-g	E29	23	16	PS1 -OUT
J3-h	E30	23	16	PS1 -OUT
J3-j	E8	1	16	SHI ELD
J3-k	E31	23	16	PSI -S
J3-m	STPS	25	22	SHI ELD
STM1	E8	26	22	SHI ELD
STM1	STPA	3	22	SHI ELD
STM 1	STPB	6	22	SHI ELD
STM 1	STPC	9	22	SHI ELD
STM 1	STPD	12	22	SHI ELD
STM 1	STPE	15	22	SHI ELD
STM1	STPF	18	22	SHI ELD
STM 1	STPG	21	22	SHI ELD
STM 1	STPH	24	22	SHI ELD
STPA	STM1	3	22	SHI ELD
STPB	STM1	6	22	SHI ELD
STPC	STM1	9	22	SHI ELD
STPD	STM1	12	22	SHI ELD
STPE	STM1	15	22	SHI ELD
STPF	STM1	18	22	SHI ELD
STPG	STM1	21	22	SHI ELD
STPH	STM1	24	22	SHI ELD
STPJ	J3-A	4	22	SHI ELD
STPK	J3-C	7	22	SHI ELD
STPL	J3-G	10	22	SHI ELD
STPM	J3-T	13	22	SHI ELD
STPN	J3-W	16	22	SHI ELD
STPP	J3-X	19	22	SHI ELD
STPR	J3-f	22	22	SHI ELD
STPS	J3-m	25	22	SHI ELD

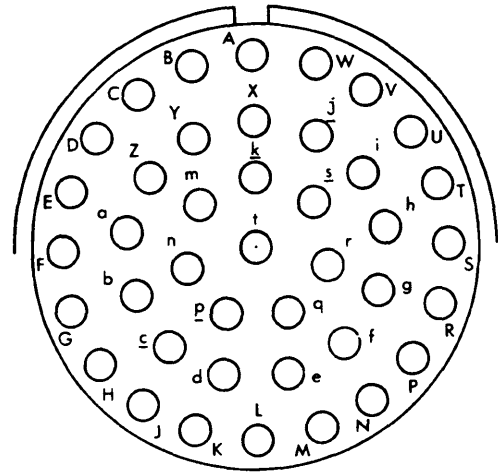


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W5 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	STM1	52	22	GND
E2	STM3	62	22	GND
E1	STM5	51	22	GND
E2	STM6	61	22	GND
J5-C	STM1	17	22	SHI ELD
J5-D	STM5	18	22	<u>SHI ELD</u>
J5-E	P1-A	22	22	DVCMD HI
J5-F	P1-B	22	22	DVCMD LO
J5-G	STM5	19	22	<u>SHI ELD</u>
J5-H	P1-E	20	22	DVFLG HI
J5-J	P1-F	20	22	<u>DVFLG LO</u>
J5-K	P1-H	16	22	<u>DI FIN 15</u>
J5-L	P1-J	16	22	<u>DI FIN 15</u>
J5-M	P1-K	15	22	<u>DI FIN 14</u>
J5-N	P1-L	15	22	<u>DI FIN 14</u>
J5-P	P1-M	14	22	<u>DI FIN 13</u>
J5-R	P1-N	14	22	<u>DI FIN 13</u>
J5-S	P1-P	13	22	<u>DI FIN 12</u>
J5-T	P1-w	13	22	<u>DI FIN 12</u>
J5-U	P1-V	12	22	<u>DI FIN 11</u>
J5-V	P1-U	12	22	<u>DI FIN 11</u>
J5-W	P1-T	11	22	<u>DI FIN 10</u>
J5-X	P1-s	11	22	<u>DI FIN 10</u>
J5-Y	P1-R	10	22	<u>DI FIN 9</u>
J5-Z	P1-x	10	22	<u>DI FIN 9</u>
J5-a	P1-Y	9	22	<u>DI FIN 8</u>
J5-b	P1-z	9	22	<u>DI FIN 8</u>
J5-c	P1-AA	8	22	<u>DI FIN 7</u>
J5-d	P1-AB	8	22	<u>DI FIN 7</u>
J5-e	P1-AC	7	22	<u>DI FIN 6</u>
J5-f	P1-AD	7	22	<u>DI FIN 6</u>
J5-g	P1-AL	6	22	<u>DI FIN 5</u>
J5-h	P1-AK	6	22	<u>DI FIN 5</u>
J5-i	P1-AJ	5	22	<u>DI FIN 4</u>
J5-j	P1-AH	5	22	<u>DI FIN 4</u>
J5-k	P1-AF	4	22	<u>DI FIN 3</u>
J5-m	P1-AE	4	22	<u>DI FIN 3</u>
J5-n	P1-AM	3	22	<u>DI FIN 2</u>
J5-p	P1-AN	3	22	<u>DI FIN 2</u>
J5-q	P1-AP	2	22	<u>DI FIN 1</u>
J5-r	P1-AR	2	22	<u>DI FIN 1</u>
J5-s	P1-AS	1	22	<u>DI FIN 0</u>
J5-t	P1-AT	1	22	<u>DI FIN 0</u>

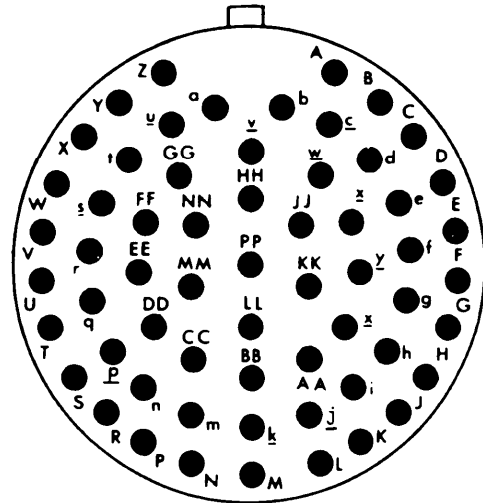


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**J5 - KP28F20-41S**

CABLE ASSEMBLY 2A2W5 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J14-A	STP5	53	22	SHI ELD
J14-P	STM3	7	22	SHI ELD
J14-R	STP8	56	22	SHI ELD
J14-S	P1-BA	46	22	CNT 3
J14-T	P1-AZ	46	22	CNT 3
J14-U	P1-BC	45	22	CNT 2
J14-V	P1-BB	45	22	CNT 2
J14-W	P1-BF	44	22	CNT 1
J14-X	P1-BH	44	22	CNT 1
J14-Y	P1-BD	43	22	CNT 0
J14-Z	P1-BE	43	22	CNT 0
J14-a	P1-CU	42	22	GND
J14-b	P1-CT	42	22	OUT 15
J14-c	P1-CS	41	22	GND
J14-d	P1 -CR	41	22	OUT 14
J14-e	P1-CP	40	22	GND
J14-f	P1-CN	40	22	OUT 13
J14-g	P1-CF	39	22	GND
J14-h	P1-CH	39	22	OUT 12
J14-i	P1-CJ	38	22	GND
J14-j	P1-CK	38	22	OUT 11
J14-k	P1-CL	37	22	GND
J14-m	P1-CM	37	22	OUT 10
J14-n	P1-CE	36	22	GND
J14-p	P1-CD	36	22	OUT 9
J14-q	P1-CC	35	22	GND
J14-r	P1-CB	35	22	OUT 8
J14-s	STP7	55	22	SHI ELD
J14-t	STP6	54	22	SHI ELD
J14-u	P1-BY	33	22	GND
J14-v	P1-BS	33	22	OUT 6
J14-w	P1-BT	32	22	GND
J14-x	P1-BU	32	22	OUT 5
J14-y	P1-BV	31	22	GND
J14-z	P1-BW	31	22	OUT 4
J14-AA	P1-BX	30	22	GND
J14-BB	P1-BR	30	22	OUT 3
J14-CC	P1-BP	29	22	GND
J14-DD	P1-BN	29	22	OUT 2
J14-EE	P1-BM	28	22	GND
J14-FF	P1-BL	28	22	OUT 1
J14-GG	P1-BK	27	22	GND
J14-HH	P1-BJ	27	22	OUT 0



EL9LQ-1000-41A

J14 - MS27468T25B61P



## CABLE ASSEMBLY 2A2W5 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-AZ	J14-T	46	22	<u>CNT 3</u>
P1-BA	J14-S	46	22	CNT 3
P1-BB	J14-V	45	22	<u>CNT 2</u>
P1-BC	J14-U	45	22	CNT 2
P1-BD	J14-Y	43	22	CNT 0
P1-BE	J14-Z	43	22	<u>CNT 0</u>
P1-BF	J14-W	44	22	CNT 1
P1-BH	J14-X	44	22	CNT 1
P1-BJ	J14-HH	27	22	OUT 0
P1-BK	J14-GG	27	22	GND
P1-BL	J14-FF	28	22	OUT 1
P1-BM	J14-EE	28	22	GND
P1-BN	J14-DD	29	22	OUT 2
P1-BP	J14-CC	29	22	GND
P1-BR	J14-BB	30	22	OUT 3
P1-BS	J14-v	33	22	OUT 6
P1-BT	J14-w	32	22	GND
P1-BU	J14-x	32	22	OUT 5
P1-BV	J14-y	31	22	GND
P1-BW	J14-z	31	22	OUT 4
P1-BX	J14-AA	30	22	GND
P1-BY	J14-u	33	22	GND
P1-BZ	J14-NN	34	22	OUT 7
P1-CA	J14-MM	34	22	GND
P1-CB	J14-r	35	22	OUT 8
P1-CC	J14-q	35	22	GND
P1-CD	J14-p	36	22	OUT 9
P1-CE	J14-n	36	22	GND
P1-CF	J14-g	39	22	GND
P1-CH	J14-h	39	22	OUT 12
P1-CJ	J14-i	38	22	GND
P1-CK	J14-j	38	22	OUT 11
P1-CL	J14-k	37	22	GND
P1-CM	J14-m	37	22	OUT 10
P1-CN	J14-f	40	22	OUT 13
P1-CP	J14-e	40	22	GND
P1-CR	J14-d	41	22	OUT 14
P1-CS	J14-c	41	22	GND
P1-CT	J14-b	42	22	OUT 15
P1-CS	J14-a	42	22	GND
STM1	EI	52	22	GND
STM1	J5-C	17	22	SHI ELD
STM2	P1-AU	24	22	SHI ELD
STM2	P1-AV	48	22	SHI ELD

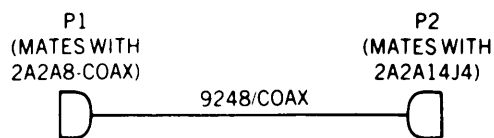
3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W5 WIRE LIST (cont)

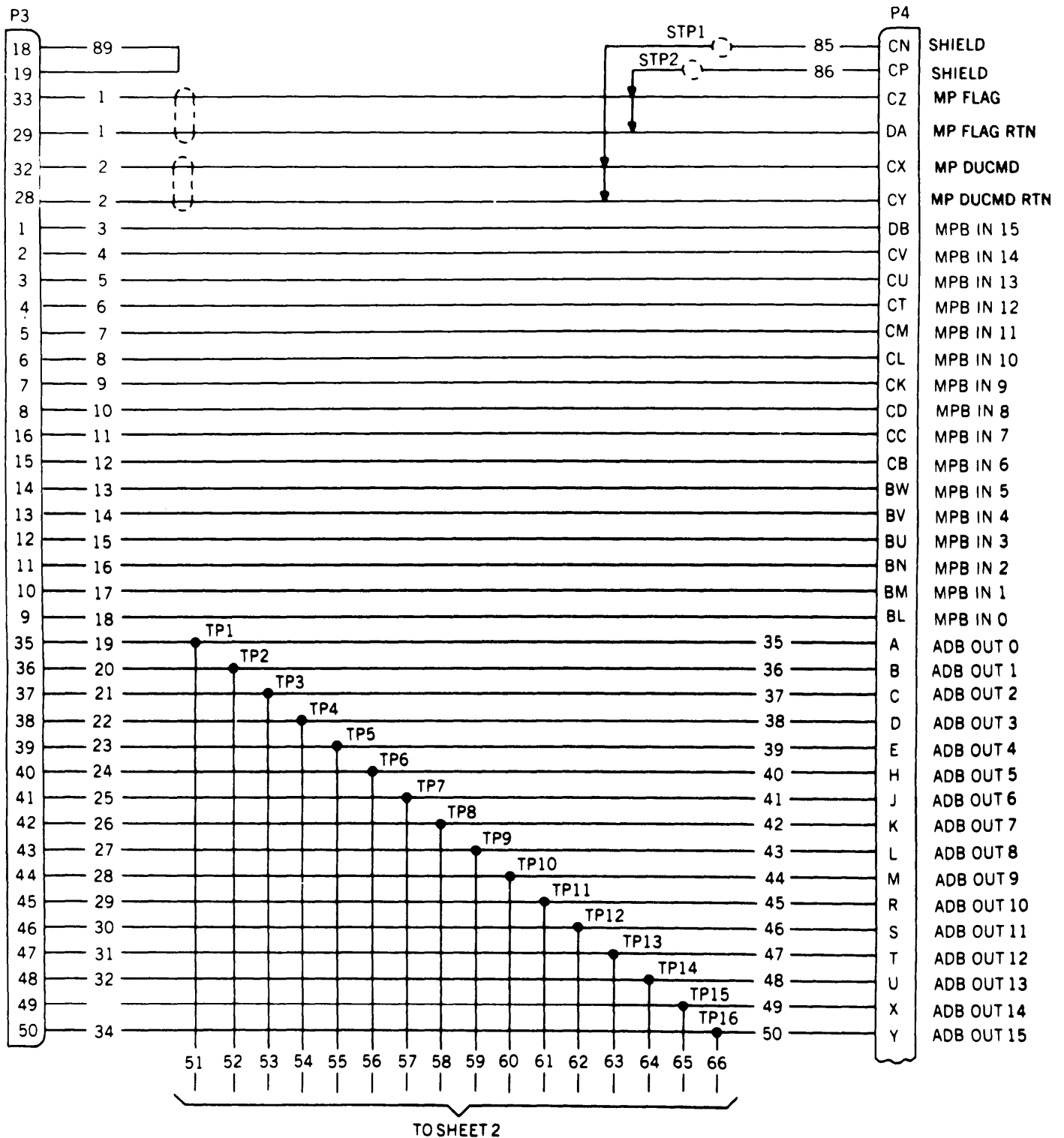
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STM3	E2	62	22	GND
STM3	J14-P	47	22	SHI ELD
STM5	E1	51	22	GND
STM5	J5-D	18	22	SHI ELD
STM5	J5-G	19	22	SHI ELD
STM5	STP1	49	22	SHI ELD
STM5	STP2	50	22	SHI ELD
STM6	E2	61	22	GND
STM6	STP5	57	22	SHI ELD
STM6	STP6	58	22	SHI ELD
STM6	STP7	59	22	SHI ELD
STM6	STP8	60	22	SHI ELD
STM7	P1-AW	67	22	SHI ELD
STM7	STP9	63	22	SHI ELD
STM7	STP10	64	22	SHI ELD
STM7	STP11	65	22	SHI ELD
STM7	STP12	66	22	SHI ELD
STP1	STM5	49	22	SHI ELD
STP2	STM5	50	22	SHI ELD
STP3	P1-0	26	22	SHI ELD
STP4	P1-c	25	22	SHI ELD
STP5	J14-A	53	22	SHI ELD
STP5	STM6	57	22	SHI ELD
STP6	J14-t	54	22	SHI ELD
STP6	STM6	58	22	SHI ELD
STP7	J14-s	55	22	SHI ELD
STP7	STM6	59	22	SHI ELD
STP8	J14-R	56	22	SHI ELD
STP8	STM6	60	22	SHI ELD
STP9	STM7	63	22	SHI ELD
STP 10	STM7	64	22	SHI ELD
STP11	STM7	65	22	SHI ELD
STP12	STM7	66	22	SHI ELD

CABLE ASSEMBLY 2A2W6 WIRE DI AGRAM



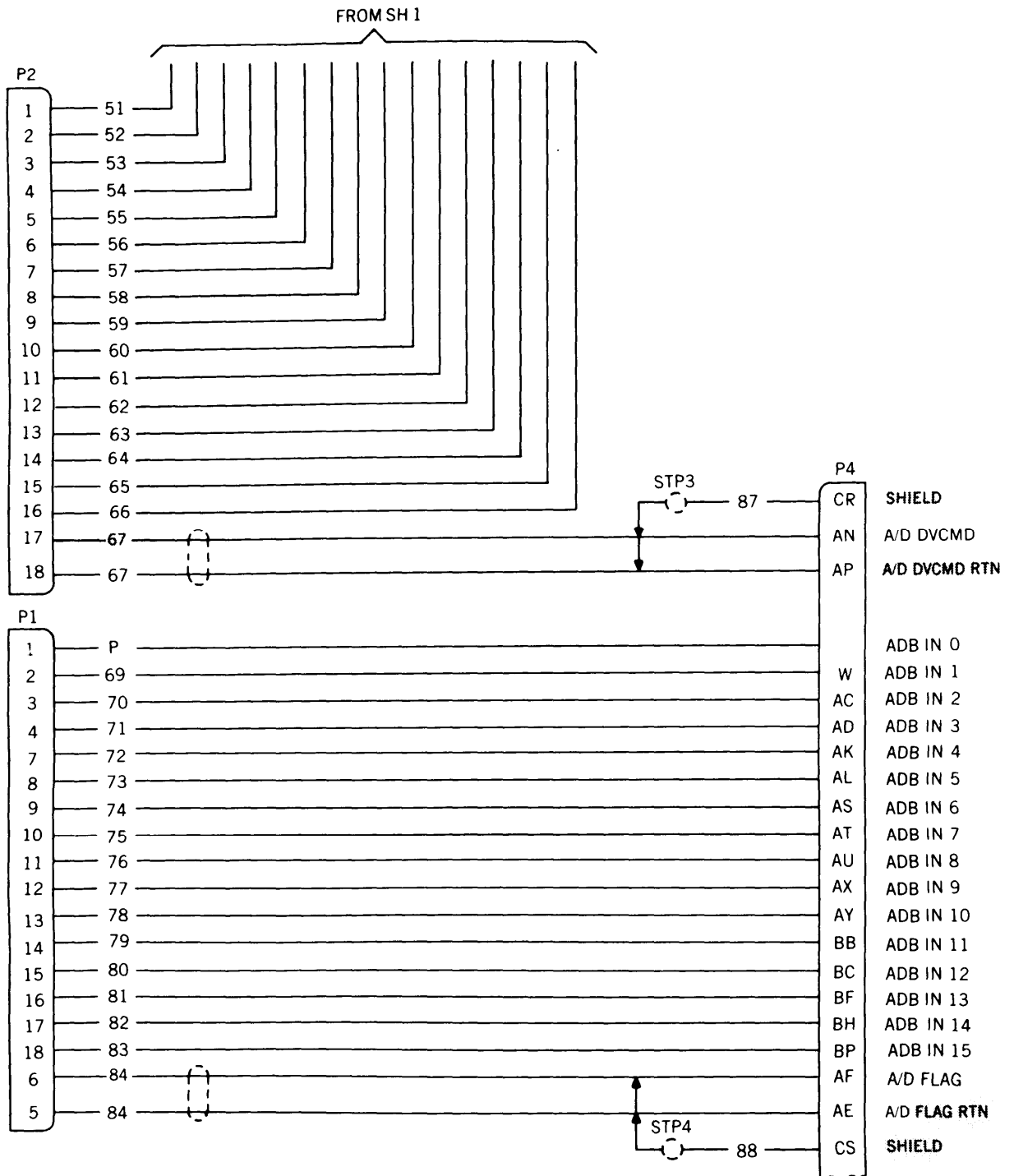
EL9LQ-1010-46

CABLE ASSEMBLY 2A2W7 WIRE DIAGRAM



EL9LQ-1010-26B

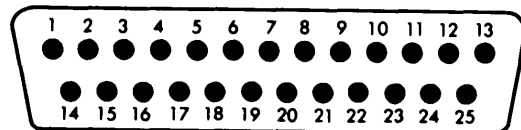
CABLE ASSEMBLY 2A2W7 WIRE DIAGRAM (cont)



EL9LQ-1010-30B

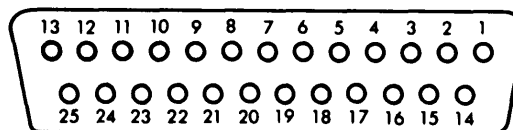
CABLE ASSEMBLY 2A2W7 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-1	P4-P	68	22	ADB IN 0
P1-2	P4-W	69	22	ADB IN 1
P1-3	P4-AC	70	22	ADB IN 2
P1-4	P4-AD	71	22	ADB IN 3
P1-5	P4-AE	84	22	A/D COM
P1-6	P4-AF	84	22	A/D FLAG
P1-7	P4-AK	72	22	ADB IN 4
P1-8	P4-AL	73	22	ADB IN 5
P1-9	P4-AS	74	22	ADB IN 6
P1-10	P4-AT	75	22	ADB IN 7
P1-11	P4-AU	76	22	ADB IN 8
P1-12	P4-AX	77	22	ADB IN 9
P1-13	P4-AY	78	22	ADB IN 10
P1-14	P4-BB	79	22	ADB IN 11
P1-15	P4-BC	80	22	ADB IN 12
P1-16	P4-BF	81	22	ADB IN 13
P1-17	P4-BH	82	22	ADB IN 14
P1-18	P4-BP	83	22	ADB IN 15
P2-1	TP1	51	22	ADB OUT 0
P2-2	TP2	52	22	ADB OUT 1
P2-3	TP3	53	22	ADB OUT 2
P2-4	TP4	54	22	ADB OUT 3
P2-5	TP5	55	22	ADB OUT 4
P2-6	TP6	56	22	ADB OUT 5
P2-7	TP7	57	22	ADB OUT 6
P2-8	TP8	58	22	ADB OUT 7
P2-9	TP9	59	22	ADB OUT 8
P2-10	TP10	60	22	ADB OUT 9
P2-11	TP11	61	22	ADB OUT 10
P2-12	TP12	62	22	ADB OUT 11
P2-13	TP13	63	22	ADB OUT 12
P2-14	TP14	64	22	ADB OUT 13
P2-15	TP15	65	22	ADB OUT 14
P2-16	TP16	66	22	ADB OUT 15
P2-17	P4-AN	67	22	A/D DVCMD
P2-18	P4-AP	67	22	A/D COM
P3-1	P4-DB	3	22	MPB IN 15
P3-2	P4-CV	4	22	MPB IN 14
P3-3	P4-CU	5	22	MPB IN 13
P3-4	P4-CT	6	22	MPB IN 12
P3-5	P4-CM	7	22	MPB IN 11
P3-6	P4-CL	8	22	MPB IN 10
P3-7	P4-CK	9	22	MPB IN 9



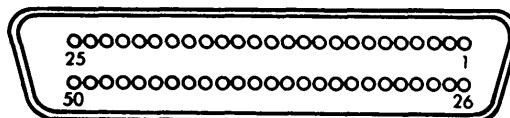
EL9LQ-1000-11

**P1 - M24308/4-3**



EL9LQ-1000-11

**P2 - MS24308/2-3**



EL9LQ-1000-26

**P3 - 57-30500-375**

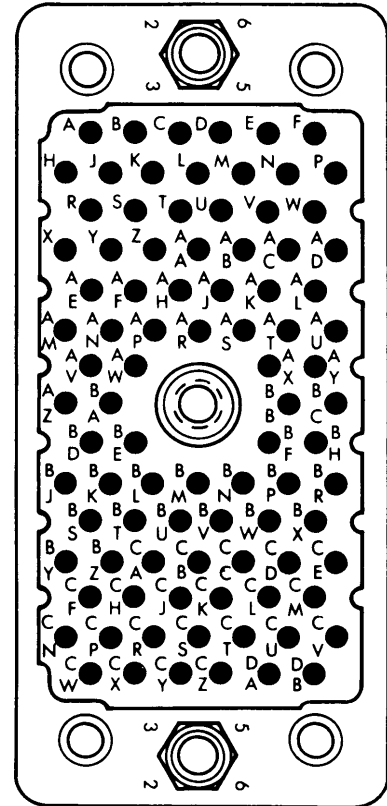


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P3-8	P4-CD	10	22	MPB IN 8
P3-9	P4-BL	18	22	MPB IN 0
P3-10	P4- BM	17	22	MPB IN 1
P3-11	P4-BN	16	22	MPB IN 2
P3-12	P4-BU	15	22	MPB IN 3
P3-13	P4-BV	14	22	MPB IN 4
P3-14	P4- BW	13	22	MPB IN 5
P3-15	P4-CB	12	22	MPB IN 6
P3-16	P4-CC	11	22	MPB IN 7
P3-18	P3-19	89	22	
P3-19	P3- 18	89	22	
P3-28	P4-CY	2	22	MP COM
P3-29	P4- DA	1	22	MP COM
P 3-32	P4-CX	2	22	MP DUCMD
P3-33	P4-CZ	1	22	MP FLG
P3-35	TP1	19	22	ADB OUT 0
P3-36	TP2	20	22	ADB OUT 1
P3-37	TP3	21	22	ADB OUT 2
P3-38	TP4	22	22	ADB OUT 3
P 3-39	TP5	23	22	ADB OUT 4
P3-40	TP6	24	22	ADB OUT 5
P3-41	TP7	25	22	ADB OUT 6
P3-42	TP8	26	22	ADB OUT 7
P3-43	TP9	27	22	ADB OUT 8
P3-44	TP10	28	22	ADB OUT 9
P3-45	TP11	29	22	ADB OUT 10
P3-46	TP12	30	22	ADB OUT 11
P3-47	TP13	31	22	ADB OUT 12
P3-48	TP14	32	22	ADB OUT 13
P3-49	TP15	33	22	ADB OUT 14
P3-50	TP16	34	22	ADB OUT 15
P4-A	TP1	35	22	ADB OUT 0
P4-B	TP2	36	22	ADB OUT 1
P4-C	TP3	37	22	ADB OUT 2
P4-D	TP4	38	22	ADB OUT 3
P4-E	TP5	39	22	ADB OUT 4
P4-H	TP6	40	22	ADB OUT 5
P4-J	TP7	41	22	ADB OUT 6
P4-K	TP8	42	22	ADB OUT 7
P4-L	TP9	43	22	ADB OUT 8
P4-M	TP10	44	22	ADB OUT 9
P4-P	P1-1	68	22	ADB IN 0
F4-R	TP11	45	22	ADB OUT 10
P4-S	TP12	46	22	ADB OUT 11



EL9LQ-1000-28A

P4 - 13083717

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-T	TP13	47	22	ADB OUT 12
P4-U	TP14	48	22	ADB OUT 13
P4-W	P1-2	69	22	ADB IN 1
P4-X	TP15	49	22	ADB OUT 14
P4-Y	TP16	50	22	ADB OUT 15
P4-AC	P1-3	70	22	ADB IN 2
P4-AD	P1-4	71	22	ADB IN 3
P4-AE	P1-5	84	22	A/D COM
P4-AF	P1-6	84	22	A/D FLAG
P4-AK	P1-7	72	22	ADB IN 4
P4-AL	P1-8	73	22	ADB IN 5
P4-AN	P2-17	67	22	A/D DVCMD
P4-AP	P2-18	67	22	A/D COM
P4-AS	P1-9	74	22	ADB IN 6
P4-AT	P1-10	75	22	ADB IN 7
P4-AU	P1-11	76	22	ADB IN 8
P4-AX	P1-12	77	22	ADB IN 9
P4-AY	P1-13	78	22	ADB IN 10
P4-BB	P1-14	79	22	ADB IN 11
P4-BC	P1-15	80	22	ADB IN 12
P4-BF	P1-16	81	22	ADB IN 13
P4-BH	P1-17	82	22	ADB IN 14
P4-BL	P3-9	18	22	MPB IN 0
P4-BM	P3-10	17	22	MPB IN 1
P4-BN	P3-11	16	22	MPB IN 2
P4-BP	P1-18	83	22	ADB IN 15
P4-BU	P3- 12	15	22	MPB IN 3
P4-BV	P3-13	14	22	MPB IN 4
P4-BW	P3- 14	13	22	MPB IN 5
P4-CB	P3-15	12	22	MPB IN 6
P4-CC	P3-16	11	22	MPB IN 7
P4-CD	P3-8	10	22	MPB IN 8
P4-CK	P3-7	9	22	MPB IN 9
P4-CL	P3-6	8	22	MPB IN 10
P4-CM	P3-5	7	22	MPB IN 11
P4-CN	STP1	85	22	SHI ELD
P4-CP	STP2	86	22	SHI ELD
P4-CR	STP3	87	22	SHI ELD
P4-CS	STP4	88	22	SHI ELD
P4-CT	P3-4	6	22	MPB IN 12
P4-CU	P3-3	5	22	MPB IN 13
P4-CV	P3-2	4	22	MPB IN 14

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-CX	P3-32	2	22	MP DUCMD
↑ -CY	↑ -28	2	↑	MP COM
-CZ	-33	1		MP FLG
↓ -DA	↓ -29	1		MP COM
P4-DB	P3-1	3		MPB IN 15
STP1	P4-CN	85		SHI ELD
STP2	↑ -CP	86		SHI ELD
STP3	↓ -CR	87		SHI ELD
STP4	P4-CS	88		SHI ELD
TP1	P2-1	51		ADB OUT 0
TP1	P3-35	19		ADB OUT 0
TP1	P4-A	35		ADB OUT 0
TP2	P2-2	52		ADB OUT 1
TP2	P3-36	20		ADB OUT 1
TP2	P4-B	36		ADB OUT 1
TP2	P2-3	53		ADB OUT 2
TP3	P3-37	21	ADB OUT 2	
TP3	P4-C	37	ADB OUT 2	
TP4	P2-4	54	ADB OUT 3	
TP4	P3-38	22	ADB OUT 3	
TP4	P4-D	38	ADB OUT 3	
TP5	P2-5	55	ADB OUT 4	
TP5	P3-39	23	ADB OUT 4	
TP5	P4-E	39	ADB OUT 4	
TP6	P2-6	56	ADB OUT 5	
TP6	P3-40	24	ADB OUT 5	
TP6	P4-H	40	ADB OUT 5	
TP7	P2-7	57	ADB OUT 6	
TP7	P3-41	25	ADB OUT 6	
TP7	P4-J	41	ADB OUT 6	
TP8	P2-8	58	ADB OUT 7	
TP8	P3-42	26	ADB OUT 7	
TP8	P4-K	42	ADB OUT 7	
TP9	P2-9	59	ADB OUT 8	
TP9	P3-43	27	ADB OUT 8	
TP9	P4-L	43	ADB OUT 8	
TP10	P2-10	60	ADB OUT 9	
TP10	P3-44	28	ADB OUT 9	
TP10	P4-M	44	ADB OUT 9	
TP11	P2-11	61	ADB OUT 10	
TP11	P3-45	29	ADB OUT 10	
TP11	P4-R	45	ADB OUT 10	
TP12	P2-12	62	ADB OUT 11	
			↓	

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

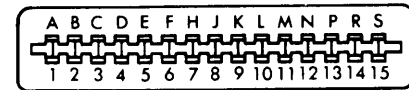
CABLE ASSEMBLY 2A2W7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON	
TP12	P3-46	30	22	ADB OUT 11	
TP12	P4-S	46		ADB OUT 11	
TP13	P2-13	63		ADB OUT 12	
TP13	P3-47	31		ADB OUT 12	
TP13	P4-T	47		ADB OUT 12	
TP14	P2-14	64		ADB OUT 13	
TP14	P3-48	32		ADB OUT 13	
TP14	P4-U	48		ADB OUT 13	
TP15	P2-15	65		ADB OUT 14	
TP15	P3-49	33		ADB OUT 14	
TP15	P4-X	49		ADB OUT 14	
TP16	P2-16	66		ADB OUT 15	
TP16	P3-50	34		ADB OUT 15	
TP16	P4-Y	50		22	ADB OUT 15

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

CABLE ASSEMBLY 2A2W8 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
E2	P1-15	55	22	+28 VDC GND
E2	P2-15	56	22	+28 VDC GND
E2	P3-15	57	22	+28 VDC GND
E6	P4-15	58	22	GND
E6	P6-15	73	22	GND
E6	P7-15	89	22	GND
P1-1	P5-A	1	22	ID0-1
P1-2	P5-B	2	22	ID1-1
P1-3	P5-C	3	22	ID2-1
P1-4	P5-D	4	22	ID3-1
P1-5	P5-E	5	22	ID4-1
P1-6	P5-F	6	22	ID5-1
P1-7	P5-H	7	22	ID6-1
P1-8	P5-J	8	22	ID7-1
P-9	P5-K	9	22	ID8-1
P1-10	P5-L	10	22	ID9-1
P1-11	P5-M	11	22	ID10-1
P1-12	P5-N	12	22	ID11-1 (SELF TEST)
P1-13	P5-BM	49	22	I GATE-1-BAR
P1-14	P5-BN	50	22	I FLAG-1
P1-15	E2	55	22	+28 VDC GND
P2-1	P5-R	13	22	ID0-2
P2-2	P5-S	14	22	ID1-2
P2-3	P5-T	15	22	ID2-2
P2-4	P5-U	16	22	ID3-2
P2-5	P5-V	17	22	ID4-2
P2-6	P5-W	18	22	ID5-2
P2-7	P5-X	19	22	ID6-2
P2-8	P5-Y	20	22	ID7-2
P2-9	P5-Z	21	22	ID9-2-BAR
P2-10	P5-AA	22	22	ID10-2
P2-11	P5-AB	23	22	ID11-2 (SELF TEST)
P2-12	P5-AC	24	22	ID11-2-BAR (SELF TEST)
P2-13	P5-BR	51	22	I GATE-2
P2-14	P5-BS	52	22	I FLAG-2
P2-15	E2	56	22	+28 VDC GND
P3-1	P5-AE	25	22	DC SHUTTER OPEN
P3-2	P5-AF	26	22	DC SHUTTER CLOSED
P3-3	P5-AH	27	22	LASER ENCLOSED
P3-4	P5-AJ	28	22	SPARE
P3-5	P5-AK	29	22	OSG LENS IN
P3-6	P5-AL	30	22	OSG LENS OUT
P3-7	P5-AM	31	22	OSG TV FILTER IN
P3-8	P5-AN	32	22	OSG EO-MUX FILTER IN
P3-9	P5-AP	33	22	MIRROR IN
P3- 10	P5-AR	34	22	MIRROR OUT



EL9LQ-1000-29

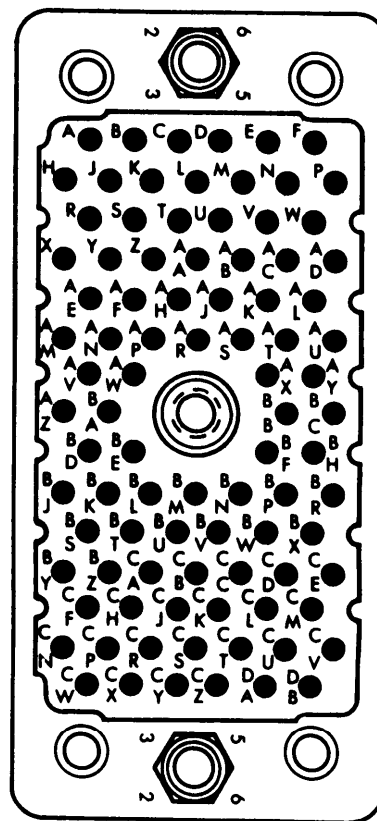
P1 thru P4, P6, and P7 - HP14555A

**NOTE**

Pin numbers/letters are located on back of connector inside cover.

CABLE ASSEMBLY 2A2W8 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P3-11	P5-AS	35	22	FILTER INTERLOCK
P3-12	P5-AT	36	22	OD11-1 (SELF TEST)
P3-13	P3-14	53	22	GATE/FLAG
P3-14	P3-13	53	22	GATE/FLAG
P3-15	E2	57	22	+28 VDC GND
P4-1	P5-AW	37	22	OA SHUTTER OPEN
P4-2	P5-AX	38	22	OA SHUTTER CLOSED
P4-3	P5-AY	39	22	OA FILTER POS I (OUT)
P4-4	P5-AZ	40	22	OA FILTER POS II (IN)
P4-5	P5-BA	41	22	SPARE
P4-6	P5-BB	42	22	SPARE
P4-7	P5-BC	43	22	DOOR INTERLOCK (OA)
P4-8	P5-BD	44	22	IR SHUTTER OPEN
P4-9	P5-BE	45	22	IR SHUTTER CLOSED
P4-10	P5-BF	46	22	SPARE
P4-11	P5-BH	47	22	SPARE
P4-12	P5-BJ	48	22	OD11-2-BAR (SELF TEST)
P4-13	P4-14	54	22	GATE/FLAG
P4-14	P4-13	54	22	GATE/FLAG
P4-15	E6	58	22	GND
P5-A	P1-1	1	22	ID0-1
P5-B	P1-2	2	22	ID1-1
P5-C	P1-3	3	22	ID2-1
P5-D	P1-4	4	22	ID3-1
P5-E	P1-5	5	22	ID4-1
P5-F	P1-6	6	22	ID5-1
P5-H	P1-7	7	22	ID6-1
P5-J	P1-8	8	22	ID7-1
P5-K	P1-9	9	22	ID8-1
P5-L	P1-10	10	22	ID9-1
P5-M	P1-11	11	22	ID10-1
P5-N	P1-12	12	22	ID11-1 (SELF TEST)
P5-R	P2-1	13	22	ID0-2
P5-S	P2-2	14	22	ID1-2
P5-T	P2-3	15	22	ID2-2
P5-U	P2-4	16	22	ID3-2
P5-V	P2-5	17	22	ID4-2
P5-W	P2-6	18	22	ID5-2
P5-X	P2-7	19	22	ID6-2
P5-Y	P2-8	20	22	ID7-2
P5-Z	P2-9	21	22	ID9-2-BAR
P5-AA	P2-10	22	22	ID10-2
P5-AB	P2-11	23	22	ID11-2 (SELF TEST)
P5-AC	P2-12	24	22	ID11-2-BAR (SELF TEST)
P5-AE	P3-1	25	22	DC SHUTTER OPEN
P5-AF	P3-2	26	22	DC SHUTTER CLOSED



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P5 - 13083717

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W8 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P5-AH	P3-3	27	22	LASER ENCLOSED
P5-AJ	P3-4	28	22	SPARE
P5-AK	P3-5	29	22	OSG LENS IN
P5-AL	P3-6	30	22	OSG LENS OUT
P5-AM	P3-7	31	22	OSG TV FILTER IN
P5-AN	P3-8	32	22	OSG EO-MUX FILTER IN
P5-AP	P3-9	33	22	MIRROR IN
P5-AR	P3-10	34	22	MIRROR OUT
P5-AS	P3-11	35	22	FILTER INTERLOCK
P5-AT	P3-12	36	22	OD11-1 (SELF TEST)
P5-AW	P4-1	37	22	OA SHUTTER OPEN
P5-AX	P4-2	38	22	OA SHUTTER CLOSED
P5-AY	P4-3	39	22	OA FILTER POS I (OUT)
P5-AZ	P4-4	40	22	OA FILTER POS II (IN)
P5-BA	P4-5	41	22	SPARE
P5-BB	P4-6	42	22	SPARE
P5-BC	P4-7	43	22	DOOR INTERLOCK (OA)
P5-BD	P4-8	44	22	IR SHUTTER OPEN
P5-BE	P4-9	45	22	IR SHUTTER CLOSED
P5-BF	P4-10	46	22	SPARE
P5-BH	P4-11	47	22	SPARE
P5-BJ	P4-12	48	22	OD11-2-BAR (SELF TEST)
P5-BM	P1-13	49	22	I GATE-1-BAR
P5-BN	P1-14	50	22	I FLAG-1
P5-BR	P2-13	51	22	I GATE-2
P5-BS	P2-14	52	22	I FLAG-2
P5-BT	P6-1	59	22	I NTERLOCK #1 N IGH T
P5-BU	P6-2	60	22	I NTERLOCK #2 N IGH T
P5-BV	P6-3	61	22	SPARE
P5-BW	P6-4	62	22	SPARE
P5-BX	P6-5	63	22	SPARE
P5-BY	P6-6	64	22	SPARE
P5-BZ	P6-7	65	22	SPARE
P5-CA	P6-8	67	22	SPARE
P5-CB	P6-9	68	22	SPARE
P5-CC	P6-10	69	22	SPARE
P5-CD	P6-11	70	22	SPARE
P5-CE	P6-12	71	22	SELF TEST
P5-CH	P7-1	75	22	CARRIAGE SENSOR #1
P5-CJ	P7-2	76	22	CARRIAGE SENSOR #2
P5-CK	P7-3	77	22	ATTEN SENSOR #1
P5-CL	P7-4	78	22	ATTEN SENSOR #2
P5-CM	P7-5	79	22	SHIELD SENSOR #1

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W8 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P5-CN	P7-6	80	22	SHI ELD SENSOR #2
P5-CP	P7-7	81	22	ARM #1
P5-CR	P7-8	82	22	ARM #2
P5-CS	P7-9	83	22	SPARE
P5-CT	P7-10	84	22	I NTERLOCK #1 DAY
P5-CU	P7-11	85	22	I NTERLOCK #2 DAY
P5-CV	P7-12	86	22	SELF TEST
P6-1	P5-BT	59	22	I NTERLOCK #1 NI GHT
P6-2	P5-BU	60	22	I NTERLOCK #2 NI GHT
P6-3	P5-BV	61	22	SPARE
P6-4	P5-BW	62	22	SPARE
P6-5	P5-BX	63	22	SPARE
P6-6	P5-BY	64	22	SPARE
P6-7	P5-BZ	65	22	SPARE
P6-8	P5-CA	67	22	SPARE
P6-9	P5-CB	68	22	SPARE
P6-10	P5-CC	69	22	SPARE
P6-11	P5-CD	70	22	SPARE
P6-12	P5-CE	71	22	SELF TEST
P6-13	P6-14	72	22	GATE/FLAG
P6-14	P6-13	72	22	GATE/FLAG
P6-15	E6	73	22	GND
P7-1	P5-CH	75	22	CARRI AGE SENSOR #1
P7-2	P5-CJ	76	22	CARRI AGE SENSOR #2
P7-3	P5-CK	77	22	ATTEN SENSOR #1
P7-4	P5-CL	78	22	ATTEN SENSOR #2
P7-5	P5-CM	79	22	SHI ELD SENSOR #1
P7-6	P5-CN	80	22	SHI ELD SENSOR #2
P7-7	P5-CP	81	22	ARM #1
P7-8	P5-CR	82	22	ARM #2
P7-9	P5-CS	83	22	SPARE
P7-10	P5-CT	84	22	I NTERLOCK #1 DAY
P7-11	P5-CU	85	22	I NTERLOCK #2 DAY
P7-12	P5-CV	86	22	SELF TEST
P7-13	P7-14	87	22	GATE/FLAG
P7-14	P7-13	87	22	GATE/FLAG
P7-15	E6	89	22	GND

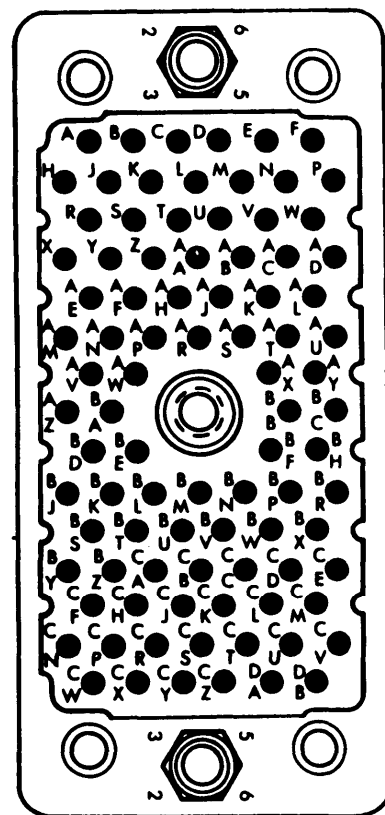


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2U9 WIRE LIST

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
E1	P4-BK	49	22	SYNC LEVEL
E2	P4-BL	50	22	WI N D O W   L E V E L
E3	P4-BM	51	22	S I N E   L E V E L
E4	P4-BN	52	22	C A M E R A   V I D E O
E5	E14	65	22	G N D
E6	P4-BR	53	22	L A S E R   S I M
E7	P4-BS	54	22	S P A R E
E8	P4-BT	55	22	S P A R E
E9	P4-BU	56	22	S P A R E
E10	E14	66	22	G N D
E11	P5-15	61	22	G N D
E11	P6-15	62	22	G N D
E11	P7-15	63	22	G N D
E14	E5	65	22	G N D
E14	E10	66	22	G N D
E14	P8-15	64	22	G N D
E17	P4-BJ	83	22	G N D
E17	P9-15	82	22	G N D
P4-A	P5-1	1	22	<u>OD0-1 PPG</u>
P4-B	P5-2	2	22	<u>OD1-1 PPG</u>
P4-C	P5-3	3	22	<u>OD2-1 PPG</u>
P4-D	P5-4	4	22	<u>OD3-1 PPG</u>
P4-E	P5-5	5	22	<u>OD4-1 PPG</u>
P4-F	P5-6	6	22	<u>OD5-1 PPG</u>
P4-H	P5-7	7	22	<u>OD6-1 PPG</u>
P4-J	P5-8	8	22	<u>OD7-1 PPG</u>
P4-K	P5-9	9	22	<u>OD8-1 PPG</u>
P4-L	P5-10	10	22	<u>OD9-1 PPG</u>
P4-M	P5-11	11	22	<u>OD10-1 PPG</u>
P4-N	P5-12	12	22	<u>OD11-1 PPG</u>
P4-R	P6-1	13	22	000-2 SMC
P4-S	P6-2	14	22	OD1-2 SMC
P4-T	P6-3	15	22	OD2-2 SMC
P4-U	P6-4	16	22	003-2 SMC
P4-V	P6-5	17	22	004-2 SMC
P4-W	P6-6	18	22	OD5-2 SMC
P4-X	P6-7	19	22	006-2 SMC
P4-Y	P6-8	20	22	007-2 SMC
P4-Z	P6-9	21	22	008-2 SMC
P4-AA	P6-10	22	22	009-2 SMC
P4-AB	P6-11	23	22	OD10-2 SMC
P4-AC	P6-12	24	22	0011-2 SMC
P4-AE	P7-1	25	22	DC LASER LCW



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3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

CABLE ASSEMBLY 2A2U9 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-AF	P7-2	26	22	DC LASER RST
P4-AH	P7-3	27	22	DC LASER CK ON
P4-AJ	P7-4	28	22	I R SHUTTER-OPEN
P4-AK	P7-5	29	22	PMT ELEC FLTR V
P4-AL	P7-6	30	22	OSG LAMP
P4-AM	P7-7	31	22	OUT TEST LAMP
P4-AN	P7-8	32	22	PMT ELEC FLTR I
P4-AP	P7-9	33	22	PMT ELEC FLTR II
P4-AR	P7-10	34	22	PMT ELEC FLTR III
P4-AS	P7-11	35	22	PMT ELEC FLTR IV
P4-AT	P7-12	36	22	A/D SELF TEST
P4-AV	P8-1	37	22	DC SHUTTER OPEN
P4-AW	P8-2	38	22	DC T LAMP
P4-AX	P8-3	39	22	DC FLASH
P4-AY	P8-4	40	22	OA TEST SOURCE
P4-AZ	P8-5	41	22	OA PMT HV
P4-BA	P8-6	42	22	OA <u>FLTR I</u>
P4-BB	P8-7	43	22	SEQ/INT
P4-BC	P8-8	44	22	OA SHUTTER
P4-BD	P8-9	45	22	OSG LENS
P4-BE	P8-10	46	22	OSG FLTR
P4-BF	P8-11	47	22	OSG MIRROR
P4-BH	P8-12	48	22	A/D SELF TEST
P4-BJ	E17	83	22	GND
P4-BK	E1	49	22	SYNC LEVEL
P4-BL	E2	50	22	WINDOW LEVEL
P4-BM	E3	51	22	SINE LEVEL
P4-BN	E4	52	22	CAMERA VIDEO
P4-BR	E6	53	22	LASER SIM
P4-BS	E7	54	22	SPARE
P4-BT	E8	55	22	SPARE
P4-BU	E9	56	22	<u>SPARE</u>
P4-BX	P5-13	57	22	<u>OGATE-1</u>
P4-BY	P5-14	58	22	<u>OGATE-1</u>
P4-CA	P6-13	59	22	<u>OGATE-2</u>
P4-CB	P6-14	60	22	<u>OGATE-2</u>
P4-CF	P9-1	69	22	I R BRST LED
P4-CH	P9-2	70	22	I R SHTR HLD-DIG
P4-CJ	P9-3	71	22	OSG 0
P4-CK	P9-4	72	22	OSG 1
P4-CL	P9-5	73	22	SPARE
P4-CM	P9-6	74	22	SPARE
P4-CN	P9-7	75	22	SPARE

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W9 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-CP	P9-8	76	22	SPARE
P4-CR	P9-9	77	22	SPARE
P4-CS	P9-10	78	22	SPARE
P4-CT	P9-11	79	22	SPARE
P4-CU	P9-12	80	22	A/D SELE TEST-I O
P5-1	P4-A	1	22	
P5-2	P4-B	2	22	<u>OD1-1 PPG</u>
P5-3	P4-C	3	22	<u>OD2-1 PPG</u>
P5-4	P4-D	4	22	<u>OD3-1 PPG</u>
P5-5	P4-E	5	22	<u>OD4-1 PPG</u>
P5-6	P4-F	6	22	<u>OD5-1 PPG</u>
P5-7	P4-H	7	22	<u>OD6-1 PPG</u>
P5-8	P4-J	8	22	<u>OD7-1 PPG</u>
P5-9	P4-K	9	22	<u>OD8-1 PPG</u>
P5-10	P4-L	10	22	<u>OD9-1 PPG</u>
P5-11	P4-M	11	22	<u>OD10-1 PPG</u>
P5-12	P4-N	12	22	<u>OD11-1 PPG</u>
P5-13	P4-BX	57	22	OGATE-1
P5-14	P4-BY	58	22	OGATE-1
P5-15	E11	61	22	GND
P6-1	P4-R	13	22	OD0-2 SMC
P6-2	P4-S	14	22	OD1-2 SMC
P6-3	P4-T	15	22	OD2-2 SMC
P6-4	P4-U	16	22	OD3-2 SMC
P6-5	P4-V	17	22	OD4-2 SMC
P6-6	P4-W	18	22	OD5-2 SMC
P6-7	P4-X	19	22	OD6-2 SMC
P6-8	P4-Y	20	22	OD7-2 SMC
P6-9	P4-Z	21	22	OD8-2 SMC
P6-10	P4-AA	22	22	OD9-2 SMC
P6-11	P4-AB	23	22	OD10-2 SMC
P6-12	P4-AC	24	22	<u>OD11-2 SMC</u>
P6-13	P4-CA	59	22	OGATE-2
P6-14	P4-CB	60	22	OGATE-2
P6-15	E11	62	22	GND
P7-1	P4-AE	25	22	DC LASER LCW
P7-2	P4-AF	26	22	DC LASER RST
P7-3	P4-AH	27	22	DC LASER CK ON
P7-4	P4-AJ	28	22	I R SHUTTER-OPEN
P7-5	P4-AK	29	22	PMT ELEC FLTR V
P7-6	P4-AL	30	22	OSG LAMP
P7-7	P4-AM	31	22	OUT TEST LAMP
P7-8	P4-AN	32	22	PMT ELEC FLTR I



EL9LQ-1000-29

**P5 thru P9 - .14555A**

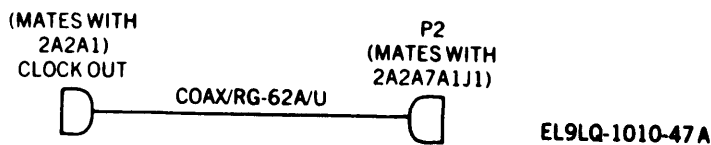
**NOTE**

**Pin numbers/letters are located on back of connector inside cover.**

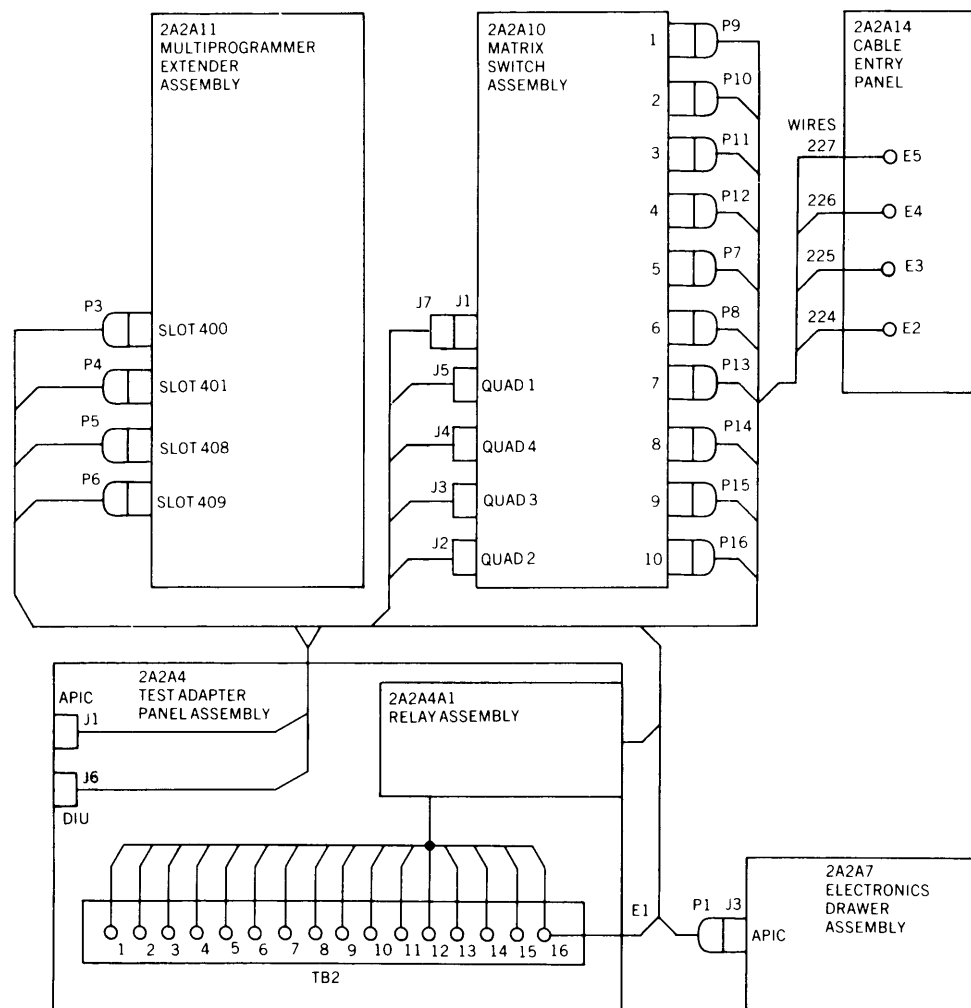
CABLE ASSEMBLY 2A2W9 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
P7-9	P4-AP	33	22	PMT ELEC FLTR I I
P7-10	P4-AR	34	22	PMT ELEC FLTR 111
P7-11	P4-AS	35	22	PMT ELEC FLTR I V
P7-12	P4-AT	36	22	A/D SELF TEST
P7-13	P7-14	67	22	JUMPER
P7-14	P7-13	67	22	JUMPER
P7-15	E11	63	22	GND
P8-1	P4-AV	37	22	DC SHUTTER OPEN
P8-2	P4-AW	38	22	DC T LAMP
P8-3	P4-AX	39	22	DC FLASH
P8-4	P4-AY	40	22	OA TEST SOURCE
P8-5	P4-AZ	41	22	OA PMT HV
P8-6	P4-BA	42	22	OA FLTR I
P8-7	P4-BB	43	22	SEQ/I NT
P8-8	P4-BC	44	22	OA SHUTTER
P8-9	P4-BD	45	22	OSG LENS
P8-10	P4-BE	46	22	OSG FLTR
P8-11	P4-BF	47	22	OSG M I R R O R
P8-12	P4-BH	48	22	A/D SELF TEST
P8-13	P8-14	68	22	JUMPER
P8-14	P8-13	68	22	JUMPER
P8-15	E14	64	22	GND
P9-1	P4-CF	69	22	I R B R S I T L E D
P9-2	P4-CH	70	22	I R S H T R H L D - D I G
P9-3	P4-CJ	71	22	OSG 0
P9-4	P4-CK	72	22	OSG 1
P9-5	P4-CL	73	22	SPARE
P9-6	P4-CM	74	22	SPARE
P9-7	P4-CN	75	22	SPARE
P9-8	P4-CP	76	22	SPARE
P9-9	P4-CR	77	22	SPARE
P9-10	P4-CS	78	22	SPARE
P9-11	P4-CT	79	22	SPARE
P9-12	P4-CU	80	22	A/D SELF TEST-I O
P9-13	P9-14	81	22	JUMPER
	P9-13	81	22	JUMPER
	E17	82	22	GND

CABLE ASSEMBLY 2A2W10 HI RE DI AGRAM



CABLE ASSEMBLY 2A2W11 WIRE DIAGRAM



EL9LQ-1010-27C

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
BB19	CP56	209	24	GND
BB21	CP56	208	24	GND
BB23	CP56	207	24	GND
BB25	CP56	206	24	GND
BB27	CP56	205	24	GND
BB29	CP56	204	24	GND
CC8	J1-H3	150	24	RTN
CC8	J1-U3	90	24	RTN
CC10	J1-H8	152	24	RTN
CC10	J1-U8	92	24	RTN
CC12	J1-H12	154	24	RTN
CC12	J1-U12	94	24	RTN
CC14	J1-G4	156	24	RTN
CC14	J1-S4	96	24	RTN
CC16	J1-G9	158	24	RTN
CC16	J1-S9	98	24	RTN
CC18	J1-G13	160	24	RTN
CC18	J1-S13	100	24	RTN
CC20	J1-E3	162	24	RTN
CC20	J1-R3	102	24	RTN
CC22	J1-E8	164	24	RTN
CC22	J1-R8	104	24	RTN
CC24	J1-E12	166	24	RTN
CC24	J1-R12	106	24	RTN
CC26	J1-D4	168	24	RTN
CC26	J1-O4	108	24	RTN
CC28	J1-D9	170	24	RTN
CC28	J1-O9	110	24	RTN
CC30	J1-D13	186	24	RTN
CC30	J1-Q13	112	24	RTN
CC32	J1-C3	188	24	RTN
CC32	J1-P3	114	24	RTN
CC34	J1-C8	190	24	RTN
CC34	J1-P8	116	24	RTN
CC36	J1-C12	192	24	RTN
CC36	J1-P12	118	24	RTN
CP1	HH12	2	24	GND
CP1	P1-D	1	24	A/D SELF TEST-431 RTN
CP2	FF10	4	24	GND
CP2	P1-B	3	24	A/D SELF TEST-340 RTN
CP3	HH10	6	24	GND
CP3	P1-J	5	24	A/D SELF TEST-301 RTN

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
CP4	FF8	8	24	GND
CP4	P1-F	7	24	A/D SELF TEST-300 RTN
CP5	HH8	10	24	GND
CP5	P1-N	9	24	A/D SELF TEST-236RTN
CP6	FF6	12	24	GND
CP6	P1-L	11	24	A/D SELF TEST-164 RTN
CP7	J1-Z1	13	24	T/P 1
CP7	J5-7	66	22	T/P 1
CP7	P3-A	12	24	T/P 1
CP8	J1-Z3	14	24	T/P 2
CP8	J5-J	67	22	T/P 2
CP8	P3-B	10	24	T/P 2
CP9	J1-Z5	15	24	T/P 3
CP9	J5-9	68	22	T/P 3
CP9	P3-C	8	24	T/P 3
CP10	J1-Z8	16	24	T/P 4
CP10	J5-L	69	22	T/P 4
CP10	P3-D	6	24	T/P 4
CP11	J1-Z10	17	24	T/P 5
CP11		70	22	T/P 5
CP11	P3-E	4	24	T/P 5
CP12	J1-Z12	18	24	T/P 6
CP12	J5-N	71	22	T/P 6
CP12	P3-F	2	24	T/P 6
CP13	J1-W11	35	24	T/P 23
CP13	J5-29	80	22	T/P 23
CP13	P4-M	43	24	T/P 23
CP14	J1-W9	34	24	T/P 22
CP14	J5-f	87	22	T/P 22
CP14	P4-L	44	24	T/P 22
CP15	CP40	33	22	T/P 21
CP15	J5-27	86		T/P 21
CP15	P4-K	45	24	T/P 21
CP16	CP38	32	24	T/P 20
CP16	J5-d	85	22	T/P 20
CP16	P4-J	46	24	T/P 20
CP17	J1-W2	31	24	T/P 19
CP17	J5-25	84	22	T/P 19
CP17	P4-H	47	24	T/P 19
CP18	J1-X12	30	24	T/P 18
CP18	J5-b	83	22	T/P 18
CP18	P4-F	48	24	T/P 18
CP19	J1-Z10	29	24	T/P 17
CP19	J5-23	82	22	T/P 17
CP19	P4-E	49	24	T/P 17

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
CP20	J1-X8	28	24	T/P 16
CP20	J5-Z	81	22	T/P 16
CP20	P4-D	50	24	T/P 16
CP21	J1-X5	27	24	T/P 15
CP21	J5-21	80	22	T/P 15
CP21	P4-C	51	24	T/P 15
CP22	J1-X3	26	24	T/P 14
CP22	J5-X	79	22	T/P 14
CP22	P4-B	52	24	T/P 14
CP23	J1-X1	25	24	T/P 13
CP23	J5-19	78	22	T/P 13
CP23	P4-A	53	24	T/P 13
CP24	J1-Y13	24	24	T/P 12
CP24	J5-V	77	22	T/P 12
CP24	P3-N	54	24	T/P 12
CP25	J1-Y11	23	24	T/P 11
CP25	J5-17	76	22	T/P 11
CP25	P3-M	55	24	T/P 11
CP26	CP36	22	24	T/P 10
CP26	J5-T	75	22	T/P 10
CP26	P3-L	56	24	T/P 10
CP27	CP34	21	24	T/P 9
CP27	J5-15	74	22	T/P 9
CP27	P3-K	57	24	T/P 9
CP28	CP32	20	24	T/P 8
CP28	J5-R	73	22	T/P 8
CP28	P3-J	58	24	T/P 8
CP29	CP30	19	24	T/P 7
CP29	J5-13	72	22	T/P 7
CP29	P3-H	59	24	T/P 7
CP30	CP29	19	24	T/P 7
CP30	J1-Y2	260	22	T/P 7
CP30	J6-X1	65	24	PPG #1
CP31	FF13	19	24	GND
CP31	J1-Y1	261	22	RTN
CP31	J6-Y1	65	24	PPG #1 RTN
CP32	CP28	20	24	T/P 8
CP32	J1-Y4	262	22	T/P 8
CP32	J6-X2	64	24	PPG #2
CP33	EE14	20	24	GND
CP33	J1-Y3	263	22	RTN
CP33	J6-Y2	64	24	PPG #2 RTN
CP34	CP27	21	24	T/P 9
CP34	J1-Y6	264	22	T/P 9
CP34	J6-X3	63	24	PPG #3



## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
CP35	FF15	21	24	GND
CP35	J1-Y5	265	22	RTN
CP35	J6-Y3	63	24	PPG #3 RTN
CP36	CP26	22	24	T/P 10
CP36	J1-Y9	266	22	T/P 10
CP36	J6-X4	62	24	PPG #4
CP37	EE16	22	24	GND
CP37	J1-Y8	267	22	RTN
CP37	J6-Y4	62	24	PPG #4 RTN
CP38	CP16	32	24	T/P 20
CP38	J1-W4	268	22	T/P 20
CP38	J6-X5	61	24	COMP BLANK
CP39	EE26	32	24	GND
CP39	J1-W3	269	22	RTN
CP39	J6- Y5	61	24	COMP BLANK RTN
CP40	CP15	33	24	T/P 21
CP40	J1-W6	270	22	T/P 21
CP40	J6-X6	60	24	COMP SYNC
CP41	FF27	33	24	GND
CP41	J1-W5	271	22	RTN
CP41	J6-Y6	60	24	COMP SYNC RTN
CP42	J1-E6	163	24	T/P 105
CP42	J4-21	179	22	T/P 105
CP42	P5-A	209	24	T/P 105
CP43	J1-E9	164	24	T/P 106
CP43	J4-Z	180	22	T/P 106
CP43	P5-B	208	24	T/P 106
CP44	J1-E11	165	24	T/P 107
CP44	J4-23	181	22	T/P 107
CP44	P5-C	207	24	T/P 107
CP45	J1-E13	166	24	T/P 108
CP45	J4-b	182	22	T/P 108
CP45	P5-D	206	24	T/P 108
CP46	J1-D1	167	24	T/P 109
CP46	J4-25	183	22	T/P 109
CP46	P5-E	205	24	T/P 109
CP47	J1-D3	168	24	T/P 110
CP47	J4-d	184	22	T/P 110
CP47	P5-F	204	24	T/P 110
CP48	J1-D10	171	22	T/P 113
CP48	J4-29	185	24	T/P 113
CP48	K1-A1	193	16	APIC P/S #1 POS
CP49	J1-D12	172	22	T/P 114
CP49	J4-j	186	24	T/P 114
CP49	K1-B1	194	16	APIC P/S #1 NEG

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
CP50	J1-C2	173	22	T/P 115
CP50	J4-31	187	24	T/P 115
CP50	K2-A1	195	16	API C P/S #2 POS
CP51	J1-C4	174	22	T/P 116
CP51	J4-1	188	24	T/P 116
CP51	K2-B1	196	16	API C P/S #2 NEG
CP52	J1-C6	175	22	T/P 117
CP52	J4-33	189	24	T/P 117
CP52	K3-A1	197	16	API C P/S #3 POS
CP53	J1-C9	176	22	T/P 118
CP53	J4-n	190	24	T/P 118
CP53	K3-B1	198	16	API C P/S #3 NEG
CP54	J1-C11	177	22	T/P 119
CP54	J4-35	191	24	T/P 119
CP54	K4-A1	199	16	API C P/S #4 POS
CP55	J1-C13	178	22	T/P 120
CP55	J4-r	192	24	T/P 120
CP55	K4-B1	200	16	API C P/S #4 NEG
CP56	BB19	209	24	GND
CP56	BB21	208	24	GND
CP56	BB23	207	24	GND
CP56	BB25	206	24	GND
CP56	BB27	205	24	GND
CP56	BB29	204	24	GND
CP58	EI	240	22	RELAY GND
CP58	P6-A	236	22	RELAY GND
CP58	P6-B	237	22	RELAY GND
CP58	P6-C	238	22	RELAY GND
CP58	P6-D	239	22	RELAY GND
CP59	FF28	43	24	GND
CP59	P1-AX	249	24	PEAK DET OUT RTN
CP60	HH18	54	24	GND
CP60	P1-BS	243	24	CAMERA VI DEO RTN
CP61	FF16	55	24	GND
CP61	P1-BW	244	24	LASER TEST RTN
CP62	HH16	56	24	GND
CP62	P1-CF	245	24	PPG #4 RTN
CP63	FF14	57	24	GND
CP63	J1-C9	176	22	T/P 118
CP63	P1-CD	246	24	PPG #3 RTN
CP64	HH14	58	24	GND
CP64	P1-CB	247	24	PPG #2 RTN
CP65	FF12	59	24	GND
CP65	P1-BZ	248	25	PPG #1 RTN

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
CP66	HH28	44	24	GND
CP66	P1-AV	250	24	PEAK DET I N RTN
CP67	FF26	45	24	GND
CP67	P1-AE	251	24	COMP SYNC - X6 RTN
CP68	HH26	46	24	GND
CP68	P1-AC	252	24	COMP BLANK - X5 RTN
CP69	FF24	47	24	GND
CP69	P1-AA	253	24	WI NDOW #4
CP70	HH24	48	24	GND
CP70	P1-Y	254	24	WI NDOW #3
CP71	FF22	49	24	GND
CP71	P1-W	255	24	WI NDOW #2 RTN
CP72	HH22	50	24	GND
CP72	P1-U	256	24	WI NDOW #1 RTN
CP73	FF20	51	24	GND
CP73	P1-S	257	24	PPG #5 RTN
CP74	HH20	52	24	GND
CP74	P1-BM	258	24	CAMERA SYNC RTN
CP75	FF18	53	24	GND
CP75	P1-BP	259	24	CAMERA SYNC RTN
DD7	J1-H1	149	24	RTN
DD7	J1-U1	89	24	RTN
DD9	J1-H5	151	24	RTN
DD9	J1-U5	91	24	RTN
DD11	J1-H10	153	24	RTN
DD11	J1-U10	93	24	RTN
DD13	J1-G2	155	24	RTN
DD13	J1-S2	95	24	RTN
DD15	J1-G6	157	24	RTN
DD15	J1-S6	97	24	RTN
DD17	J1-G11	159	24	RTN
DD17	J1-S11	99	24	RTN
DD19	J1-E1	161	24	RTN
DD19	J1-R1	101	24	RTN
DD21	J1-E5	163	24	RNT
DD21	J1-R5	103	24	RTN
DD23	J1-E10	165	24	RTN
DD23	J1-R10	105	24	RTN
DD25	J1-D2	167	24	RTN
DD25	J1-Q2	107	24	RTN
DD27	J1-D6	169	24	RTN
DD27	J1-Q6	109	24	RTN
DD29	J1-D11	185	24	RTN
DD29	J1-Q11	111	24	RTN

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
DD31	J1-P	113	24	RTN
DD31	J1-C1	187	24	RTN
DD33	J1-C5	189	24	RTN
DD33	J1-P5	115	24	RTN
DD35	J1-C10	191	24	RTN
DD35	J1-P10	117	24	RTN
E1	CP58	240	22	RELAY GND
E2	J6-S1	224	22	MOTP 45
E3	J6-S2	225	22	MOTP 46
E4	J6-S3	226	22	MOTP 47
E5	J6-S4	227	22	MOTP 48
EE8	J1-N4	120	24	RTN
EE8	J1-Z4	14	24	RTN
EE10	J1-N9	122	24	RTN
EE10	J1-Z9	16	24	RTN
EE12	J1-Z13	18	24	RTN
EE12	J1-N13	124	24	RTN
EE14	CP33	20	24	GND
EE14	J1-M3	126	24	RTN
EE16	CP37	22	24	GND
EE16	J1-M8	128	24	RTN
EE18	J1-M12	130	24	RTN
EE18	J1-Y12	24	24	RTN
EE20	J1-L4	132	24	RTN
EE20	J1-X4	26	24	RTN
EE22	J1-L9	134	24	RTN
EE22	J1-X9	28	24	RTN
EE24	J1-L13	136	24	RTN
EE24	J1-X13	30	24	RTN
EE26	CP39	32	24	GND
EE26	J1-K3	138	24	RTN
EE28	J1-K8	140	24	RTN
EE28	J1-W8	34	24	RTN
EE30	J1-K12	142	24	RTN
EE30	J1-W12	36	24	RTN
EE32	J1-J4	144	24	RTN
EE32	J1-V4	38	24	RTN
EE34	J1-J9	146	24	RTN
EE34	J1-V9	40	24	RTN
EE36	J1-J13	148	24	RTN
EE36	J1-V13	42	24	RTN
FF6	CP6	12	24	GND
FF7	J1-N2	119	24	RTN
FF7	J1-Z2	13	24	RTN
FF8	CP4	8	24	GND
FF9	J1-N6	121	24	RTN
FF9	J1-Z6	15	24	RTN

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

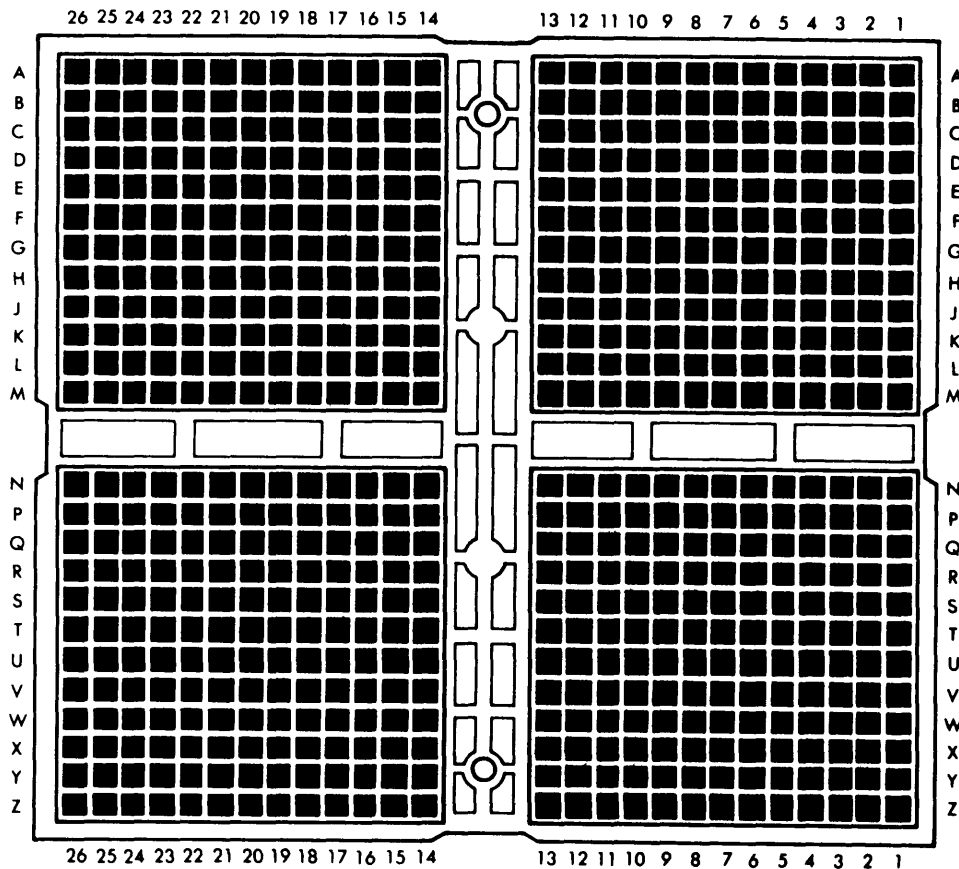
3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
FF10	CP2	4	24	GND
FF11	J1-N11	123	24	RTN
FF11	J1-Z11	17	24	RTN
FF12	CP65	59	24	GND
FF13	CP31	19	24	GND
FF13	J1-M1	125	24	RTN
FF14	CP63	57	24	GND
FF15	CP35	21	24	GND
FF15	J1-M5	127	24	RTN
FF16	CP61	55	24	GND
FF17	J1-M10	129	24	RTN
FF17	J1-Y10	23	24	RTN
FF18	CP75	53	24	GND
FF19	J1-L2	131	24	RTN
FF19	J1-X2	25	24	RTN
FF20	CP73	51	24	GND
FF21	J1-L6	133	24	RTN
FF21	J1-X6	27	24	RTN
FF22	CP71	49	24	GND
FF23	J1-L11	135	24	RTN
FF23	J1-X11	29	24	RTN
FF24	CP69	47	24	GND
FF25	J1-K1	137	24	RTN
FF25	J1-W1	31	24	RTN
FF26	CP67	45	24	GND
FF27	CP41	33	24	GND
FF27	J1-K5	139	24	RTN
FF28	CP59	43	24	GND
FF29	J1-W10	35	24	RTN
FF29	J1-K10	141	24	RTN
FF31	J1-J2	143	24	RTN
FF31	J1-V2	37	24	RTN
FF33	J1-J6	145	24	RTN
FF33	J1-V6	39	24	RTN
FF35	J1-J11	147	24	RTN
FF35	J1-V11	41	24	RTN
HH8	CP5	10	24	GND
HH10	CP3	6	24	GND
HH12	CP1	2	24	GND
HH14	CP64	58	24	GND
HH16	CP62	56	24	GND
HH18	CP60	54	24	GND
HH20	CP74	52	24	GND
HH22	CP72	50	24	GND
HH24	CP70	48	24	GND

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
HH26	CP68	46	24	GND
HH28	CP66	44	24	GND
J1-13	EE12	18	24	RTN
J1-B1	J7-12	273	22	ST (LO)
J1-B3	J7-13	272	22	ST (LO)
J1-C1	DD31	187	24	RTN
J1-C2	CP50	173	22	T/P 115
J1-C3	CC32	188	24	RTN
J1-C4	CP51	174	22	T/P 116
J1-C5	DD33	189	24	RTN
J1-C6	CP52	175	22	T/P 117
J1-C8	CC34	190	24	RTN
J1-C9	CP53	176	22	T/P 118



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J1-DL4-624P

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J1-C10	DD35	191	24	RTN
J1-C11	CP54	177	22	T/P 119
J1-C12	CC36	192	24	RTN
J1-C13	CP55	178	22	T/P 120
J1-D1	CP46	167	24	T/P 109
J1-D2	DD25	167	24	RTN
J1-D3	CP47	168	24	T/P 110
J1-D4	CC26	168	24	RTN
J1-D5	J4-27	169	24	T/P 111
J1-D6	DD27	169	24	RTN
J1-D8	J4-f	170	24	T/P 112
J1-D9	CC28	170	24	RTN
J1-D10	CP48	171	22	T/P 113
J1-D11	DD29	185	24	RTN
J1-D12	CP49	172	22	T/P 114
J1-D13	CC30	186	24	RTN
J1-E1	DD19	161	24	RTN
J1-E2	J4-19	161	24	T/P 103
J1-E3	CC20	162	24	RTN
J1-E4	J4-X	162	24	T/P 104
J1-E5	DD21	163	24	RTN
J1-E6	CP42	163	24	T/P 105
J1-E8	CC22	164	24	RTN
J1-E9	CP43	164	24	T/P 106
J1-E10	DD23	165	24	RTN
J1-E11	CP44	165	24	T/P 107
J1-E12	CC24	166	24	RTN
J1-E13	CP45	166	24	T/P 108
J1-G1	J4-13	155	24	T/P 97
J1-G2	DD13	155	24	RTN
J1-G3	J4-R	156	24	T/P 98
J1-G4	CC14	156	24	RTN
J1-G5	J4-15	157	24	T/P 99
J1-G6	DD15	157	24	RTN
J1-G8	J4-T	158	24	T/P 100
J1-G9	CC16	158	24	RTN
J1-G10	J4-17	159	24	T/P 101
J1-G11	DD17	159	24	RTN
J1-G12	J4-V	160	24	T/P 102
J1-G13	CC18	160	24	RTN
J1-H1	DD7	149	24	RTN
J1-H2	J4-7	149	24	T/P 91

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-H3	CC8	150	24	RTN
J1-H4	J4-J	150	24	T/P 92
J1-H5	DD9	151	24	RTN
J1-H6	J4-9	151	24	T/P 93
J1-H8	CC10	152	24	RTN
J1-H9	J4-L	152	24	T/P 94
J1-H10	DD11	153	24	RTN
J1-H11	J4-11	153	24	T/P 95
J1-H12	CC12	154	24	RTN
J1-H13	J4-N	154	24	T/P 96
J1-J1	J3-31	143	24	T/P 85
J1-J2	FF31	143	24	RTN
J1-J3	J3-1	144	24	T/P 86
J1-J4	EE32	144	24	RTN
J1-J5	J3-33	145	24	T/P 87
J1-J6	FF33	145	24	RTN
J1-J8	J3-n	146	24	T/P 88
J1-J9	EE34	146	24	RTN
J1-J10	J3-35	147	24	T/P 89
J1-J11	FF35	147	24	RTN
J1-J12	J3-r	148	24	T/P 90
J1-J13	EE36	148	24	RTN
J1-K1	FF25	137	24	RTN
J1-K2	J3-25	137	24	T/P 79
J1-K3	EE26	138	24	RTN
J1-K4	J3-d	138	24	T/P 80
J1-K5	FF27	139	24	RTN
J1-K6	J3-27	139	24	T/P 81
J1-K8	EE28	140	24	RTN
J1-K9	J3-f	140	24	T/P 82
J1-K10	FF29	141	24	RTN
J1-K11	J3-29	141	24	T/P 83
J1-K12	EE30	142	24	RTN
J1-K13	J3-j	142	24	T/P 84
J1-L1	J3-19	131	24	T/P 73
J1-L2	FF19	131	24	RTN
J1-L3	J3-x	132	24	T/P 74
J1-L4	EE20	132	24	RTN
J1-L5	J3-21	133	24	T/P 75
J1-L6	FF21	133	24	RTN
J1-L8	J3-z	134	24	T/P 76
J1-L9	EE22	134	24	RTN



3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-L10	J3-23	135	24	T/P 77
J1-L11	FF23	135	24	RTN
J1-L12	J3-b	136	24	T/P 78
J1-L13	EE24	136	24	RTN
J1-M1	FF13	125	24	RTN
J1-M2	J3-13	125	24	T/P 67
J1-M3	EE14	126	24	RTN
J1-M4	J3-R	126	24	T/P 68
J1-M5	FF15	127	24	RTN
J1-M6	J3-15	127	24	T/P 69
J1-M8	EE16	128	24	RTN
J1-M9	J3-T	128	24	T/P 70
J1-M10	FF17	129	24	RTN
J1-M11	J3-17	129	24	T/P 71
J1-M12	EE18	130	24	RTN
J1-M13	J3-V	130	24	T/P 72
J1-N1	J3-7	119	24	T/P 61
J1-N2	FF7	119	24	RTN
J1-N3	J3-J	120	24	T/P 62
J1-N4	EE8	120	24	RTN
J1-N5	J3-9	121	24	T/P 63
J1-N6	FF9	121	24	RTN
J1-N8	J3-L	122	24	T/P 64
J1-N9	EE10	122	24	RTN
J1-N10	J3-11	123	24	T/P 65
J1-N11	FF11	123	24	RTN
J1-N12	J3-N	124	24	T/P 66
J1-N13	EE12	124	24	RTN
J1-P1	DD31	113	24	RTN
J1-P2	J2-31	113	24	T/P 55
J1-P3	CC32	114	24	RTN
J1-P4	J2-1	114	24	T/P 56
J1-P5	DD33	115	24	RTN
J1-P6	J2-33	115	24	T/P 57
J1-P8	CC34	116	24	RTN
J1-P9	J2-n	116	24	T/P 58
J1-P10	DD35	117	24	RTN
J1-P11	J2-35	117	24	T/P 59
J1-P12	CC36	118	24	RTN
J1-P13	J2-r	118	24	T/P 60
J1-Q1	J2-25	107	24	T/P 49
J1-Q2	DD25	107	24	RTN

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J1-Q3	J2-d	108	24	T/P 50
J1-Q4	CC26	108	24	RTN
J1-Q5	J2-27	109	24	T/P 51
J1-Q6	DD27	109	24	RTN
J1-Q8	J2-f	110	24	T/P 52
J1-Q9	CC28	110	24	RTN
J1-Q10	J2-29	111	24	T/P 53
J1-Q11	DD29	111	24	RTN
J1-Q12	J2-j	112	24	T/P 54
J1-Q13	CC30	112	24	RTN
J1-R1	DD19	101	24	RTN
J1-R2	J2-19	101	24	T/P 43
J1-R3	CC20	102	24	RTN
J1-R4	J2-X	102	24	T/P 44
J1-R5	DD21	103	24	RTN
J1-R6	J2-21	103	24	T/P 45
J1-R8	CC22	104	24	RTN
J1-R9	J2-Z	104	24	T/P 46
J1-R10	DD23	105	24	RTN
J1-R11	J2-23	105	24	T/P 47
J1-R12	CC24	106	24	RTN
J1-R13	J2-b	106	24	T/P 48
J1-S1	J2-13	95	24	T/P 37
J1-S2	DD13	95	24	RTN
J1-S3	J2-R	96	24	T/P 38
J1-S4	CC14	96	24	RTN
J1-S5	J2-15	97	24	T/P 39
J1-S6	DD15	97	24	RTN
J1-S8	J2-T	98	24	T/P 40
J1-S9	CC16	98	24	RTN
J1-S10	J2-17	99	24	T/P 41
J1-S11	DD17	99	24	RTN
J1-S12	J2-V	100	24	T/P 42
J1-S13	CC18	100	24	RTN
J1-U1	DD7	89	24	RTN
J1-U2	J2-7	89	24	T/P 31
J1-U3	CC8	90	24	RTN
J1-U4	J2-J	90	24	T/P 32
J1-U5	DD9	91	24	RTN
J1-U6	J2-9	91	24	T/P 33
J1-U8	CC10	92	24	RTN
J1-U9	J2-L	92	24	T/P 34

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

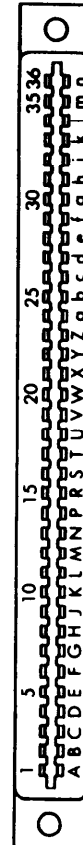
## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-U10	DD11	93	24	RTN
J1-U11	J2-11	93	24	T/P 35
J1-U12	CC12	94	24	RTN
J1-U13	J2-N	94	24	T/P 36
J1-V1	J5-31	37	24	T/P 25
J1-V2	FF31	37	24	RTN
J1-V3	J5-1	38	24	T/P 26
J1-V4	EE32	38	24	RTN
J1-V5	J5-33	39	24	T/P 27
J1-V6	FF33	39	24	RTN
J1-V8	J5-n	40	24	T/P 28
J1-V9	EE34	40	24	RTN
J1-V10	J5-35	41	24	T/P 29
J1-V11	FF35	41	24	RTN
J1-V12	J5-r	42	24	T/P 30
J1-V13	EE36	42	24	RTN
J1-W1	FF25	31	24	RTN
J1-W2	CP17	31	24	T/P 19
J1-W3	CP39	269	22	RTN
J1-W4	CP38	268	22	T/P 20
J1-W5	CP41	271	22	RTN
J1-W6	CP40	270	22	T/P 21
J1-W8	EE28	34	24	RTN
J1-W9	CP14	34	24	T/P 22
J1-W10	FF29	35	24	RTN
J1-W11	CP13	35	24	T/P 23
J1-W12	EE30	36	24	RTN
J1-W13	J5-j	36	24	T/P 24
J1-X1	CP23	25	24	T/P 13
J1-X2	FF19	25	24	RTN
J1-X3	CP22	26	24	T/P 14
J1-X4	EE20	26	24	RTN
J1-X5	CP21	27	24	T/P 15
J1-X6	FF21	27	24	RTN
J1-X8	CP20	28	24	T/P 16
J1-X9	EE28	28	24	RTN
J1-X10	CP19	29	24	T/P 17
J1-X11	FF23	29	24	RTN
J1-X12	CP18	30	24	T/P 18
J1-X13	EE24	30	24	RTN
J1-Y1	CP31	261	24	RTN
J1-Y2	CP30	260	22	T/P 7

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
J1-Y3	CP33	263	22	RTN
J1-Y4	CP32	262	22	T/P 8
J1-Y5	CP35	265	22	RTN
J1-Y6	CP34	264	22	T/P 9
J1-Y8	CP37	267	22	RTN
J1-Y9	CP36	266	22	T/P 10
J1-Y10	FF17	23	24	RTN
J1-Y11	CP25	23	24	T/P 11
J1-Y12	EE18	24	24	RTN
J1-Y13	CP24	24	24	T/P 12
J1-Z1	CP7	13	24	T/P 1
J1-Z2	FF7	13	24	RTN
J1-Z3	CP8	14	24	T/P 2
J1-Z4	EE8	14	24	RTN
J1-Z5	CP9	15	24	T/P 3
J1-Z6	FF9	15	24	RTN
J1-Z8	CP10	16	24	T/P 4
J1-Z9	EE10	16	24	RTN
J1-Z10	CP11	17	24	T/P 5
J1-Z11	FF11	17	24	RTN
J1-Z12	CP12	18	24	T/P 6
J1-Z13	EE12	18	24	RTN
J2-7	J1-U2	89	24	T/P 31
J2-9	J1-U6	91	24	T/P 33
J2-11	J1-U11	93	24	T/P 35
J2-13	J1-S1	95	24	T/P 37
J2-15	J1-S5	97	24	T/P 39
J2-17	J1-S10	99	24	T/P 41
J2-19	J1-R2	101	24	T/P 43
J2-21	J1-R6	103	24	T/P 45
J2-23	J1-R11	105	24	T/P 47
J2-25	J1-Q1	107	24	T/P 49
J2-27	J1-Q5	109	24	T/P 51
J2-29	J1-Q10	111	24	T/P 53
J2-31	J1-P2	113	24	T/P 55
J2-33	J1-P6	115	24	T/P 57
J2-35	J1-P11	117	24	T/P 59
J2-J	J1-U4	90	24	T/P 32
J2-L	J1-U9	92	24	T/P 34
J2-N	J1-U13	94	24	T/P 36
J2-R	J1-S3	96	24	T/P 38
J2-T	J1-S8	98	24	T/P 40



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J2 thru J5 - SBC36D/2-2

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J2-V	J1-S12	100	24	T/P 42
J2-X	J1-R4	102	24	T/P 44
J2-Z	J1-R9	104	24	T/P 46
J2-b	J1-R13	106	24	T/P 48
J2-d	J1-Q3	108	24	T/P 50
J2-f	J1-Q8	110	24	T/P 52
J2-j	J1-Q12	112	24	T/P 54
J2-l	J1-P4	114	24	T/P 56
J2-n	J1-P9	116	24	T/P 58
J2-r	J1-P13	118	24	T/P 60
J3-7	J1-N1	119	24	T/P 61
J3-9	J1-N5	121	24	T/P 63
J3-11	J1-N10	123	24	T/P 65
J3-13	J1-M2	125	24	T/P 67
J3-15	J1-M6	127	24	T/P 69
J3-17	J1-M11	129	24	T/P 71
J3-19	J1-L1	131	24	T/P 73
J3-21	J1-L5	133	24	T/P 75
J3-23	J1-L10	135	24	T/P 77
J3-25	J1-K2	137	24	T/P 79
J3-27	J1-K6	139	24	T/P 81
J3-29	J1-K11	141	24	T/P 83
J3-31	J1-J1	143	24	T/P 85
J3-33	J1-J5	145	24	T/P 87
J3-35	J1-J10	147	24	T/P 89
J3-B	J1-L12	136	24	T/P 78
J3-J	J1-N3	120	24	T/P 62
J3-L	J1-N8	122	24	T/P 64
J3-N	J1-N12	124	24	T/P 66
J3-R	J1-M4	126	24	T/P 68
J3-T	J1-M9	128	24	T/P 70
J3-V	J1-M13	130	24	T/P 72
J3-X	J1-L3	132	24	T/P 74
J3-Z	J1-L8	134	24	T/P 76
J3-d	J1-K4	138	24	T/P 80
J3-f	J1-K9	140	24	T/P 82
J3-j	J1-K13	142	24	T/P 84
J3-l	J1-J3	144	24	T/P 86
J3-n	J1-J8	146	24	T/P 88
J3-r	J1-J12	148	24	T/P 90
J4-7	J1-H2	149	24	T/P 91
J4-9	J1-H6	151	24	T/P 93

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

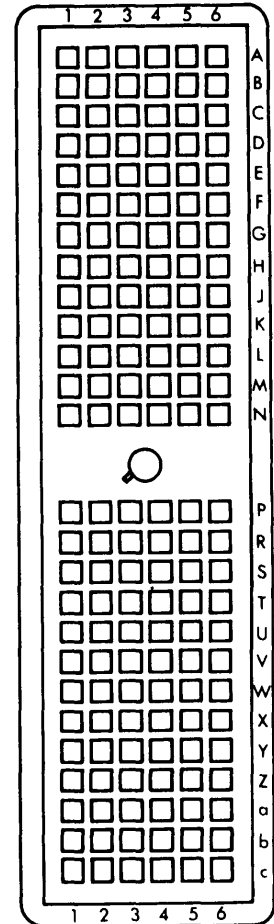
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J4-11	J1-H11	153	24	T/P 95
J4-13	J1-G1	155	24	T/P 97
J4-15	J1-G5	157	24	T/P 99
J4-17	J1-G10	159	24	T/P 101
J4-19	J1-E2	161	24	T/P 103
J4-21	CP42	179	22	T/P 105
J4-23	CP44	181	22	T/P 107
J4-25	CP46	183	22	T/P 109
J4-27	J1-D5	169	24	T/P 111
J4-29	CP48	185	24	T/P 113
J4-31	CP50	187	24	T/P 115
J4-33	CP52	189	24	T/P 117
J4-35	CP54	191	24	T/P 119
J4-J	J1-H4	150	24	T/P 92
J4-L	J1-H9	152	24	T/P 94
J4-N	J1-H13	154	24	T/P 96
J4-R	J1-G3	156	24	T/P 98
J4-T	J1-G8	158	24	T/P 100
J4-V	J1-G12	160	24	T/P 102
J4-X	J1-E4	162	24	T/P 104
J4-Z	CP43	180	22	T/P 106
J4-b	CP45	182	22	T/P 108
J4-d	CP47	184	22	T/P 110
J4-f	J1-D8	170	24	T/P 112
J4-j	CP49	186	24	T/P 114
J4-l	CP51	188	24	T/P 116
J4-n	CP53	190	24	T/P 118
J4-r	CP55	192	24	T/P 120
J5-7	CP7	66	22	T/P 1
J5-9	CP9	68	22	T/P 3
J5-11	CP11	70	22	T/P 5
J5-13	CP29	72	22	T/P 7
J5-15	CP27	74	22	T/P 9
J5-17	CP25	76	22	T/P 11
J5-19	CP23	78	22	T/P 13
J5-21	CP21	80	22	T/P 15
J5-23	CP19	82	22	T/P 17
J5-25	CP17	84	22	T/P 19
J5-27	CP15	86	22	T/P 21
J5-29	CP13	88	22	T/P 23
J5-31	J1-V1	37	24	T/P 25

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J5-33	J1-V5	39	24	T/P 27
J5-35	J1-V10	41	24	T/P 29
J5-J	CP8	67	22	T/P 2
J5-L	CP10	69	22	T/P 4
J5-N	CP12	71	22	T/P 6
J5-R	CP28	73	22	T/P 8
J5-T	CP26	75	22	T/P 10
J5-V	CP24	77	22	T/P 12
J5-X	CP22	79	22	T/P 14
J5-Z	CP20	81	22	T/P 16
J5-b	CP18	83	22	T/P 18
J5-d	CP16	85	22	T/P 20
J5-f	CP14	87	22	T/P 22
J5-j	J1-W13	36	24	T/P 24
J5-l	J1-V3	38	24	T/P 26
J5-n	J1-V8	40	24	T/P 28
J5-r	J1-V12	42	24	T/P 30
J6-L3	J6-L4			JUMPER
J6-L4	J6-L3			JUMPER
J6-M1	P7	214	COAX	WFG HI/BNC 5
J6-M2	P8	215	COAX	WFG LO/BNC 6
J6-M3	P9	216	COAX	AC STD HI/BNC 1
J6-M4	P10	217	COAX	AC STD LO/BNC 2
J6-M5	P11	218	COAX	DC STD HI/BNC 3
J6-M6	P12	219	COAX	DC STD LO/BNC 4
J6-R3	P13	220	COAX	MOTP 41/BNC 7
J6-R4	P14	221	COAX	MOTP 42/BNC 8
J6-R5	P15	222	COAX	MOTP 43/BNC 9
J6-R6	P16	223	COAX	MOTP 44/BNC 10
J6-S1	E2	224	22	MOTP 45
J6-S2	E3	225	22	MOTP 46
J6-S3	E4	226	22	MOTP 47
J6-S4	E5	227	22	MOTP 48
J6-U1	K7-A2	228	22	DC 2B HI
J6-U2	K7-A2	229	22	DC 2B HI
J6-U3	K7-B2	230	22	DC 2B LO
J6-U4	K7-B2	231	22	DC 2B LO
J6-X1	CP30	65	24	PPG #1
J6-X2	CP32	64	24	PPG #2
J6-X3	CP34	63	24	PPG #3
J6-X4	CP36	62	24	PPG #4
J6-X5	CP38	61	24	COMP BLANK

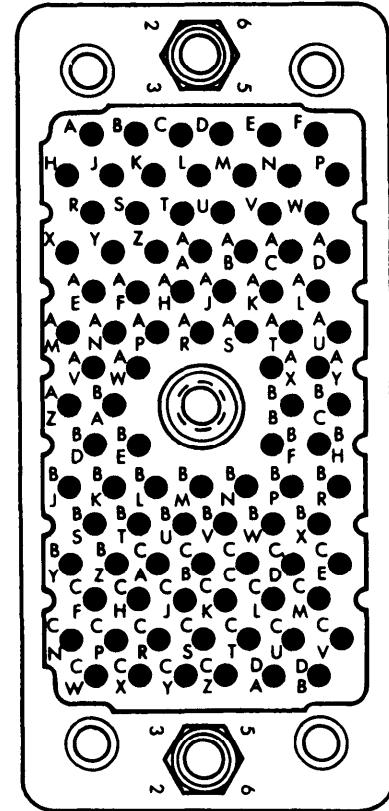


EL9LQ-1000-82A

J6 - DL1-156R

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J6-X6	CP40	60	24	COMP SYNC
J6-Y1	CP31	65	24	PPG #1 RTN
J6-Y2	CP33	64	24	PPG #2 RTN
J6-Y3	CP35	63	24	PPG #3 RTN
J6-Y4	CP37	62	24	PPG #4 RTN
J6-Y5	CP39	61	24	COMP BLANK RTN
J6-Y6	CP41	60	24	COMP SYNC RTN
J7-12	J1-B1	273	22	ST (LO)
J7-13	J1-B3	272	22	ST (LO)
K1-A1	CP48	193	16	APIC P/S #1 POS
K1-B1	CP49	194	16	APIC P/S #1 NEG
K1-X2	P6-1	232	22	PP/S #1 CTR
K2-A1	CP50	195	16	APIC P/S #2 POS
K2-B1	CP51	196	16	APIC P/S #2 NEG
K2-X2	P6-2	233	22	PP/S #2 CTR
K3-A1	CP52	197	16	APIC P/S #3 POS
K3-B1	CP53	198	16	APIC P/S #3 NEG
K3-X2	P6-3	234	22	PP/S #3 CTR
K4-A1	CP54	199	16	APIC P/S #4 POS
K4-B1	CP55	200	16	APIC P/S #4 NEG
K4-X2	P6-4	235	22	PP/S #4 CTR
K7-A2	J6-U1	228	22	DC 2B HI
K7-A2	J6-U2	229	22	DC 2B HI
K7-B2	J6-U3	230	22	DC 2B LO
K7-B2	J6-U4	231	22	DC 2B LO
K7-X2	P1-CH	210	22	OSG LAMP
K8-X2	P1-CK	211	22	OUTSIDE TEST LAMP
K9-X2	P1-CM	212	22	DC TEST LAMP
K10-X2	P1-CP	213	22	DC FLASH
P1-A	P3-4	5	24	A/D SELF TEST - 301
P1-A	P3-5	3	24	A/D SELF TEST - 340
P1-AA	CP69	253	24	WINDOW #4
P1-AB	P4-8	252	24	COMP BLANK - X5
P1-AC	CP68	252	24	COMP BLANK - X5 RTN
P1-AD	P4-9	251	24	COMP SYNC - X6
P1-AE	CP67	251	24	COMP SYNC - X6 RTN
P1-AU	P4-10	250	24	PEAK DET IN
P1-AV	CP66	250	24	PEAK DET IN RTN
P1-AW	P4-11	249	24	PEAK DET OUT
P1-AX	CP59	249	24	PEAK DET OUT RTN
P1-B	CP2	3	24	A/D SELF TEST-340 RTN
P1-BL	P4-2	258	24	CAMERA SYNC
P1-BM	CP74	258	24	CAMERA SYNC RTN



EL9LQ-1000-28A

P1 - 13083717

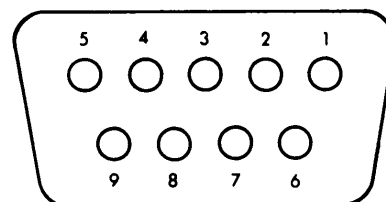


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
P1-BN	P4-1	259	24	CAMERA SYNC
P1-BP	CP75	259	24	CAMERA SYNC RTN
P1-BR	P3-12	243	24	CAMERA VIDEO
P1-BS	CP60	243	24	CAMERA VIDEO RTN
P1-BW	CP61	244	24	LASER TEST RTN
P1-BX	P3-11	244	24	LASER TEST
P1-BY	P3-7	248	24	PPG #1
P1-BZ	CP65	248	24	PPG #1 RTN
P1-C	P3-6	1	24	A/D SELF TEST - 341
P1-CA	P3-8	247	24	PPG #2
P1-CB	CP64	247	24	PPG #2 RTN
P1-CC	P3-9	246	24	PPG #3
P1-CD	CP63	246	24	PPG #3 RTN
P1-CE	P3-10	245	24	PPG #4
P1-CF	CP62	245	24	PPG #4 RTN
P1-CH	K7-X2	210	22	OSG LAMP
P1-CK	K8-X2	211	22	OUTSIDE TEST LAMP
P1-CM	K9-X2	212	22	DC TEST LAMP
P1-CP	K10-X2	213	22	DC FLASH
P1-D	CP1	1	24	A/D SELF TEST-431 RTN
P1-E	P3-3	7	24	A/D SELF TEST - 300
P1-F	CP4	7	24	A/D SELF TEST-300 RTN
P1-H	P3-4	5	24	A/D SELF TEST-301
P1-J	CP3	5	24	A/D SELF TEST-301 RTN
P1-K	P3-1	11	24	A/D SELF TEST - 164
P1-L	CP6	11	24	A/D SELF TEST-164 RTN
P1-M	P3-2	9	24	A/D SELF TEST - 236
P1-N	CP5	9	24	A/D SELF TEST-236 RTN
P1-R	P4-3	257	24	PPG #5
P1-S	CP73	257	24	PPG #5 RTN
P1-T	P4-4	256	24	WINDOW #1
P1-U	CP72	256	24	WINDOW #1 RTN
P1-V	P4-5	255	24	WINDOW #2
P1-W	CP71	255	24	WINDOW #2 RTN
P1-X	P4-6	254	24	WINDOW #3
P1-Y	CP70	254	24	WINDOW #3
P1-Z	P4-7	253	24	WINDOW #4
P2-3	P5-1	201	24	SIN LO
P2-4	P5-3	202	24	COS HI
P2-5	P5-5	203	24	REF LO
P2-7	P5-4	202	24	COS LO
P2-8	P5-2	201	24	SIN HI



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P2 - M24308/2-1

CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-9	P5-6	203	24	REF HI
P3-1	P1-K	11	24	A/D SELF TEST - 164
P3-2	P1-M	9	24	A/D SELF TEST - 236
P3-3	P1-E	7	24	A/D SELF TEST - 300
P3-4	P1-H	5	24	A/D SELF TEST - 301
P3-5	P1-A	3	24	A/D SELF TEST - 340
P3-6	P1-C	1	24	A/D SELF TEST - 341
P3-7	P1-BY	248	24	PPG #1
P3-8	P1-CA	247	24	PPG #2
P3-9	P1-CC	246	24	PPG #3
P3-10	P1-CE	245	24	PPG #4
P3-11	P1-BX	244	24	LASER TEST
P3-12	P1-BR	243	24	CAMERA VIDEO
P3-A	CP7	12	24	T/P 1
P3-B	CP8	10	24	T/P 2
P3-C	CP9	8	24	T/P 3
P3-D	CP10	6	24	T/P 4
P3-E	CP11	4	24	T/P 5
P3-F	CP12	2	24	T/P 6
P3-H	CP29	59	24	T/P 7
P3-J	CP28	58	24	T/P 8
P3-K	CP27	57	24	T/P 9
P3-L	CP26	56	24	T/P 10
P3-M	CP25	55	24	T/P 11
P3-N	CP24	54	24	T/P 12
P4-1	P1-BN	259	24	CAMERA SYNC
P4-2	P1-BL	258	24	CAMERA SYNC
P4-3	P1-N	257	24	PPG #5
P4-4	P1-T	256	24	WINDOW #1
P4-5	P1-V	255	24	WINDOW #2
P4-6	P1-X	254	24	WINDOW #3
P4-7	P1-Z	253	24	WINDOW #4
P4-8	P1-AB	252	24	COMP BLANK - X5
P4-9	P1-AD	251	24	COMP SYNC - X6
P4-10	P1-AU	250	24	PEAK DET IN
P4-11	P1-AW	249	24	PEAK DET OUT
P4-A	CP23	53	24	T/P 13
P4-B	CP22	52	24	T/P 14
P4-C	CP21	51	24	T/P 15
P4-D	CP20	50	24	T/P 16
P4-E	CP19	49	24	T/P 17
P4-F	CP18	48	24	T/P 18



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P3 thru P6 - HP14555A

NOTE

Pin numbers/letters are located on back of connector inside cover.

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W11 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-H	CP17	47	24	T/P 19
P4-J	CP16	46	24	T/P 20
P4-K	CP15	45	24	T/P 21
P4-L	CP14	44	24	T/P 22
P4-M	CP13	43	24	T/P 23
P5-1	P2-3	201	24	SIN LO
P5-2	P2-8	201	24	SIN HI
P5-3	P2-4	202	24	COS HI
P5-4	P2-7	202	24	COS LO
P5-5	P2-5	203	24	REF LO
P5-6	P2-9	203	24	REF HI
P5-A	CP42	209	24	T/P 105
P5-B	CP43	208	24	T/P 106
P5-C	CP44	207	24	T/P 107
P5-D	CP45	206	24	T/P 108
P5-E	CP46	205	24	T/P 109
P5-F	CP47	204	24	T/P 110
P6-1	K1-X2	232	22	PP/S #1 CTR
P6-2	K2-X2	233	22	PP/S #2 CTR
P6-3	K3-X2	234	22	PP/S #3 CTR
P6-4	K4-X2	235	22	PP/S #4 CTR
P6-A	CP58	236	22	RELAY GND
P6-B	CP58	237	22	RELAY GND
P6-C	CP58	238	22	RELAY GND
P6-D	CP58	239	22	RELAY GND
P7	J6-M1	214	COAX	WFG HI/BNC 5
P8	J6-M2	215	COAX	WFG LO/BNC 6
P9	J6-M3	216	COAX	AC STD HI/BNC 1
P10	J6-M4	217	COAX	AC STD LO/BNC 2
P11	J6-M5	218	COAX	DC STD HI/BNC 3
P12	J6-M6	219	COAX	DC STD LO/BNC 4
P13	J6-R3	220	COAX	MOTP 41/BNC 7
P14	J6-R4	221	COAX	MOTP 42/BNC 8
P15	J6-R5	222	COAX	MOTP 43/BNC 9
P16	J6-R6	223	COAX	MOTP 44/BNC 10

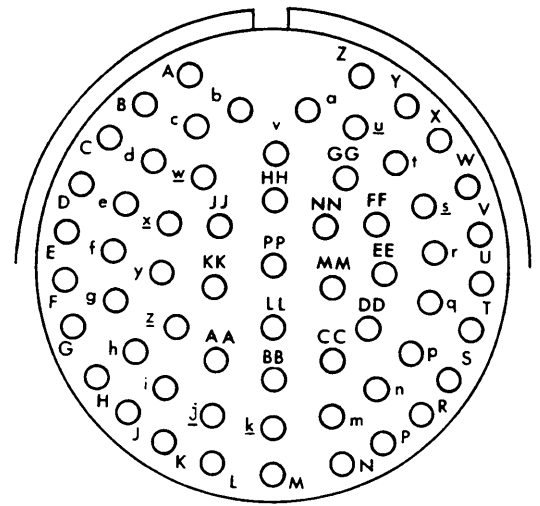


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W13 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	J9-E	91	22	+5 VDC
E1	J9-L	84	22	+5 VDC
E2	J9-K	85	22	+15 VDC
E3	J9-J	86	22	-15 VDC
E4	J9-H	95	22	GND
E4	P2-Y	88	22	GND
E4	P2-Z	87	22	GND
E6	J9-D	93	22	+5 VDC
E6	P2-X	89	22	+5 VDC
E7	J9-A	90	22	SGN GND
E7	J9-B	92	22	SGN GND
E7	J9-C	94	22	SGN GND
J9-A	E7	90	22	SGN GND
J9-B	E7	92	22	SGN GND
J9-C	E7	94	22	SGN GND
J9-D	E6	93	22	+5 VDC
J9-E	E1	91	22	+5 VDC
J9-F	P1-CB	51	22	INTERLOCK #1
J9-G	P1-CC	52	22	INTERLOCK #2
J9-H	E4	95	22	GND
J9-J	E3	86	22	-15 VDC
J9-K	E2	85	22	+15 VDC
J9-L	E1	84	22	+5 VDC
J9-M	P1-BY	53	22	SPARE
J9-N	P1-CU	49	22	IR SOURCE #3
J9-P	P1-CT	48	22	IR SOURCE #2
J9-R	P1-CS	47	22	IR SOURCE #1
J9-S	P1-CK	46	22	BORESIGHT 4
J9-T	P1-CJ	45	22	BORESIGHT 3
J9-U	P1-CH	44	22	BORESIGHT 2
J9-V	P1-CF	43	22	BORESIGHT 1
J9-W	P1-BZ	54	22	SPARE
J9-X	P1-BX	42	22	IR SHUTTER CLOSED
J9-Y	P1-CM	56	22	SPARE
J9-a	P1-BU	41	22	IR SHUTTER OPEN
J9-b	P1-BR	38	22	SIG
J9-c	P1-BP	37	22	<u>SI1</u>
J9-d	P1-BJ	32	22	NST2 DT1
J9-e	P1-BH	31	22	SH1
J9-f	P1-BF	30	22	<u>SI2</u>
J9-g	P1-AV	25	22	NST2 GH1
J9-h	P1-BC	29	22	SHG/FLIR
J9-i	P1-BB	28	22	SG2

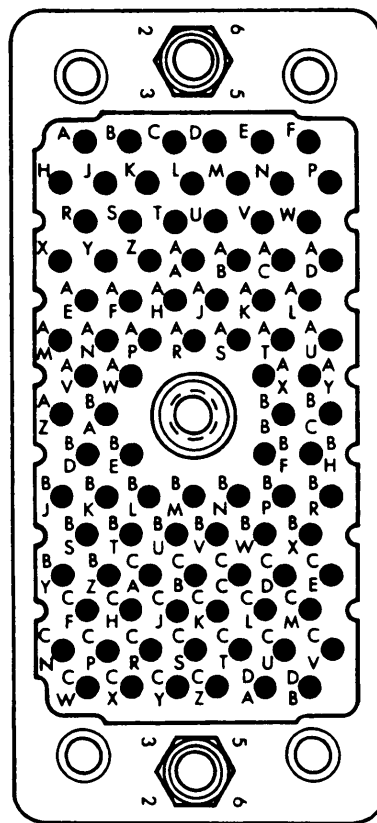


EL9LQ-1000-64B

**J9 - KP28F24-61S**

CABLE ASSEMBLY 2A2W13 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J9-j	P1-AH	20	22	SPARE
J9-k	P1-CP	58	22	SPARE
J9-m	P1-AY	27	22	SG1
J9-n	P1-AX	26	22	SH2
J9-p	P1-CR	59	22	SPARE
J9-r	P1-AU	24	22	SGG
J9-s	P1-CA	60	22	SPARE
J9-t	P1-CW	61	22	SPARE
J9-u	P1-AN	21	22	<u>NST2 GH2</u>
J9-v	P1-CY	63	22	SPARE
J9-w	P1-CZ	64	22	<u>SPARE</u>
J9-x	P1-AF	19	22	<u>NST2 D1</u>
J9-AA	P1-Z	17	22	<u>NST2 D2</u>
J9-BB	P1-Y	16	22	<u>NST EN2</u>
J9-CC	P1-X	15	22	<u>NST1 D4</u>
J9-DD	P1-T	13	22	<u>NST2 D3</u>
J9-EE	P1-S	12	22	<u>NST EN1</u>
J9-FF	P1-R	11	22	<u>NST1 D3</u>
J9-GG	P1-L	9	22	<u>NST1 D4</u>
J9-HH	P1-K	8	22	<u>NST1 DT1</u>
J9-JJ	P1-J	7	22	<u>NST1 D2</u>
J9-KK	P1-H	6	22	<u>NST1 GH1</u>
J9-LL	P1-D	4	22	<u>NST2 DT0</u>
J9-MM	P1-C	3	22	<u>NST1 DT0</u>
J9-NN	P1-B	2	22	<u>NST1 D1</u>
J9-PP	P1-A	1	22	<u>NST1 GH2</u>
P1-A	J9-PP	1	22	<u>NST1 GH2</u>
P1-B	J9-NN	2	22	<u>NST1 D1</u>
P1-C	J9-MM	3	22	<u>NST1 DT0</u>
P1-D	J9-LL	4	22	<u>NST2 DT0</u>
P1-E	P2-q	5	22	SPARE
P1-F	P2-w	65	22	<u>SPARE</u>
P1-H	J9-KK	6	22	<u>NST1 GH1</u>
P1-J	J9-JJ	7	22	<u>NST1 D 2</u>
P1-K	J9-HH	8	22	<u>NST1 DT1</u>
P1-L	J9-GG	9	22	<u>NST1 D4</u>
P1-M	P2-p	10	22	SPARE
P1-N	P2-v	66	22	SPARE
P1-P	P2-u	67	22	<u>SPARE</u>
P1-R	J9-FF	11	22	<u>NST1 D3</u>
P1-S	J9-EE	12	22	<u>NST EN1</u>
P1-T	J9-DD	13	22	<u>NST2 D3</u>



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P1 - 13083717

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

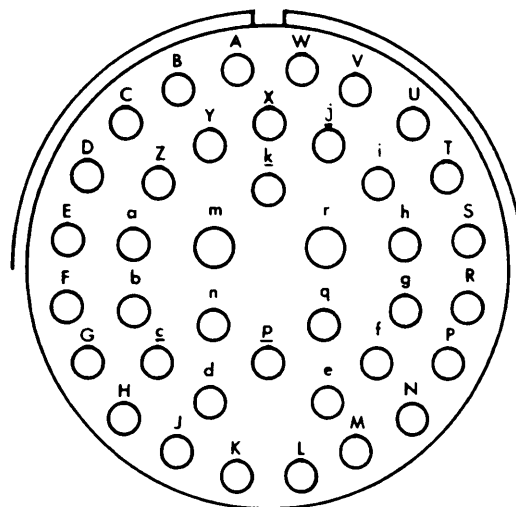
3-22

CABLE ASSEMBLY 2A2W13 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-U	P2-T	68	22	SPARE
P1-W	P2-R	69	22	SPARE
P1-X	J9-CC	15	22	NST1 D4
P1-Y	J9-BB	16	22	NST EN2
P1-Z	J9-AA	17	22	NST2 D2
P1-AA	P2-k	18	22	SPARE
P1-AB	P2-P	70	22	SPARE
P1-AC	P2-N	71	22	SPARE
P1-AD	P2-M	72	22	SPARE
P1-AE	P2-F	78	22	SPARE
P1-AF	J9-x	19	22	NST2 D1
P1-AH	J9-j	20	22	SPARE
P1-AJ	P2-L	73	22	SPARE
P1-AK	P2-K	74	22	SPARE
P1-AL	P2-J	75	22	SPARE
P1-AM	P2-E	79	22	SPARE
P1-AN	J9-u	21	22	NST2 GH2
P1-AP	P2-H	76	22	SPARE
P1-AR	P2-i	22	22	+15V OSG
P1-AS	P2-h	23	22	-15V OSG
P1-AT	P2-G	77	22	SPARE
P1-AU	J9-r	24	22	SGG
P1-AV	J9-g	25	22	NST2 GH1
P1-AW	P2-D	80	22	SPARE
P1-AX	J9-n	26	22	SH2
P1-AY	J9-m	27	22	SG1
P1-AZ	P2-C	81	22	SPARE
P1-BA	P2-B	82	22	OSG 1
P1-BB	J9-i	28	22	SG2
P1-BC	J9-h	29	22	SHG/FLIR
P1-BD	P2-A	83	22	OSG 0
P1-BF	J9-f	30	22	SI2
P1-BH	J9-e	31	22	SH1
P1-BJ	J9-d	32	22	NST2 DT1
P1-BK	P2-g	33	22	OSG LENS IN
P1-BL	P2-f	34	22	OSG LENS OUT
P1-BM	P2-e	35	22	OSG DAY TV FILTER IN
P1-BN	P2-d	36	22	OSG EO-MUX FILTER IN
P1-BP	J9-c	37	22	SI1
P1-BR	J9-b	38	22	SIG
P1-BS	P2-c	39	22	MIRROR IN
P1-BT	P2-b	40	22	MIRROR OUT
P1-BU	J9-a	41	22	IR SHUTTER OPEN

CABLE ASSEMBLY 2A2W13 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-BX	J9-X	42	22	IR SHUTTER CLOSED
P1-BY	J9-M	53	22	SPARE
P1-BZ	J9-W	54	22	SPARE
P1-CA	J9-s	60	22	SPARE
P1-CB	J9-F	51	22	INTERLOCK #1
P1-CC	J9-G	52	22	INTERLOCK #2
P1-CF	J9-V	43	22	BORESIGHT 1
P1-CH	J9-U	44	22	BORESIGHT 2
P1-CJ	J9-T	45	22	BORESIGHT 3
P1-CK	J9-S	46	22	BORESIGHT 4
P1-CM	J9-Y	56	22	SPARE
P1-CP	J9-k	58	22	SPARE
P1-CR	J9-p	59	22	SPARE
P1-CS	J9-R	47	22	IR SOURCE #1
P1-CT	J9-P	48	22	IR SOURCE #2
P1-CU	J9-N	49	22	IR SOURCE #3
P1-CV	P2-a	50	22	OSG DETECTOR
P1-CW	J9-t	61	22	SPARE
P1-CY	J9-v	63	22	SPARE
P1-CZ	J9-w	64	22	SPARE
P2-A	P1-BD	83	22	OSG 0
P2-B	P1-BA	82	22	OSG 1
P2-C	P1-AZ	81	22	SPARE
P2-D	P1-AW	80	22	SPARE
P2-E	P1-AM	79	22	SPARE
P2-F	P1-AE	78	22	SPARE
P2-G	P1-AT	77	22	SPARE
P2-H	P1-AP	76	22	SPARE
P2-J	P1-AL	75	22	SPARE
P2-K	P1-AK	74	22	SPARE
P2-L	P1-AJ	73	22	SPARE
P2-M	P1-AD	72	22	SPARE
P2-N	P1-AC	71	22	SPARE
P2-P	P1-AB	70	22	SPARE
P2-R	P1-W	69	22	SPARE
P2-T	P1-U	68	22	SPARE
P2-U	P1-P	67	22	SPARE
P2-V	P1-N	66	22	SPARE
P2-W	P1-F	65	22	SPARE
P2-X	E6	89	22	+5 VDC
P2-Y	E4	88	22	GND
P2-Z	E4	87	22	GND
P2-a	P1-CV	50	22	OSG DETECTOR



EL9LQ-1000-42A

**P2 - PT06SE-20-39S (SR)**



3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W13 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-b	P1-BT	40	22	MIRROR OUT
P2-c	P1-BS	39	22	MIRROR IN
P2-d	P1-BN	36	22	OSG EO-MUX FILTER IN
P2-e	P1-BM	35	22	OSG DAY TV FILTER IN
P2-f	P1-BL	34	22	OSG LENS OUT
P2-g	P1-BK	33	22	OSG LENS IN
P2-h	P1-AS	23	22	-15V OSG
P2-i	P1-AR	22	22	+15V OSG
P2-k	P1-AA	18	22	SPARE
P2-p	P1-M	10	22	SPARE
P2-q	P1-E	5	22	SPARE







3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W14 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-C	J6-FF	3	22	DSMA EN1
P1-D	J6-EE	4	22	DSMA EN2
P1-E	J8-i	70	22	CARRIAGE SENSOR #1
P1-F	J8-h	71	22	CARRIAGE SENSOR #2
P1-H	J8-g	72	22	ATTEN SENSOR #1
P1-J	J6-BB	5	22	<u>DST1 CH1</u>
P1-K	J6-AA	6	22	<u>DST1 CH2</u>
P1-L	J6-z	7	22	<u>DST1 D1</u>
P1-M	J6-y	8	22	<u>DST1 D2</u>
P1-N	J6-x	9	22	<u>DST1 D3</u>
P1-P	J8-f	73	22	ATTEN SENSOR #2
P1-R	J6-w	10	22	<u>DST1 D4</u>
P1-S	J6-v	11	22	<u>DST1 DT0</u>
P1-T	J6-u	12	22	<u>DST1 DT1</u>
P1-U	J6-t	13	22	DST1 EN1
P1-V	J6-s	14	22	DST1 EN2
P1-W	J8-e	74	22	SHIELD SENSOR #1
P1-X	J8-d	75	22	SHIELD SENSOR #2
P1-Y	J8-c	76	22	ARM #1
P1-Z	J8-b	77	22	ARM #2
P1-AA	J6-p	15	22	<u>DSMB D1</u>
P1-AB	J6-n	16	22	<u>DSMB D2</u>
P1-AC	J8-Z	78	22	INTERLOCK #1
P1-AD	J8-Y	79	22	INTERLOCK #2
P1-AE	J6-m	17	22	<u>DSMB D3</u>
P1-AF	J6-k	18	22	DSMB EN1
P1-AH	J6-j	19	22	DSMB EN2
P1-AJ	J8-X	80	22	FILTER INTERLOCK
P1-AK	J8-K	92	22	FILTER INTERLOCK
P1-AL	J6-X	97	22	SPARE
P1-AM	J6-Y	98	22	SPARE
P1-AN	J6-Z	99	22	SPARE
P1-AP	J6-g	20	22	DSFA D1
P1-AR	J6-f	21	22	DSFA EN1
P1-AS	J6-e	22	22	DC SHUTTER OPEN
P1-AT	J6-d	23	22	DC SHUTTER CLOSED
P1-AU	J6-c	24	22	LASER ENCLOSED
P1-AV	J6-b	25	22	DSFA EN2
P1-AX	J8-HH	26	22	OA SHUTTER OPEN
P1-AY	J8-GG	27	22	OA SHUTTER CLOSED
P1-AZ	J6-a	100	22	SPARE
P1-BA	J8-P	101	22	SPARE

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W14 WIRE LIST (cont)

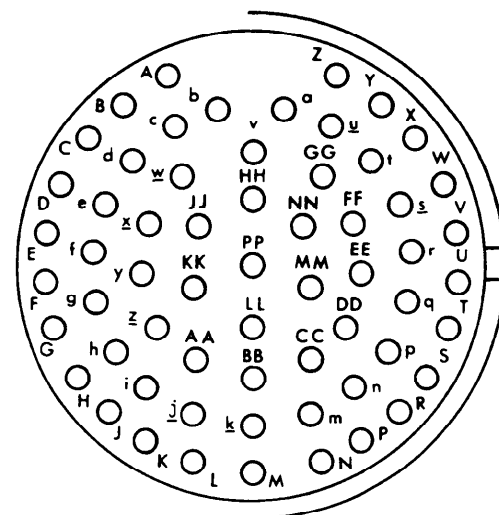
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-BB	J8-FF	30	22	OA FILTER I POS 1
P1-BC	J8-EE	31	22	SAG
P1-BD	J8-R	112	22	SPARE
P1-BE	J8-S	110	22	SPARE
P1-BF	J8-DD	32	22	OA FILTER I POS 2
P1-BH	J8-CC	33	22	SA1
P1-BJ	J6-V	34	22	DSFC L1
P1-BK	J6-U	35	22	DSFC EN1
P1-BL	J8-T	104	22	SPARE
P1-BM	J8-U	105	22	SPARE
P1-BN	J8-z	36	22	DOOR INTERLOCK
P1-BP	J8-y	37	22	SA2
P1-BR	J8-x	38	22	SBG
P1-BS	J6-R	39	22	DSFC EN2
P1-BU	J6-P	40	22	DC LASER PWR
P1-BV	J6-N	41	22	DC LASER AMP
P1-BW	J6-M	42	22	DC LASER SIM
P1-BX	J8-w	43	22	SB1
P1-BY	J6-L	44	22	DC LASER LCW
P1-BZ	J6-K	45	22	DC LASER RESET
P1-CA	J6-J	46	22	DC LASER CH ON
P1-CB	J6-H	47	22	LASER CH OUT
P1-CC	J6-G	48	22	LASER SIMULATOR
P1-CD	J8-v	49	22	SB2
P1-CE	J6-E	50	22	SCG
P1-CF	J8-u	51	22	PMT ELEC FILTER I
P1-CH	J8-t	52	22	PMT ELEC FILTER II
P1-CJ	J8-s	53	22	PMT ELEC FILTER III
P1-CK	J8-r	54	22	PMT ELEC FILTER IV
P1-CL	J6-D	55	22	SC2
P1-CM	J6-C	56	22	SC1
P1-CN	J8-a	67	22	PMT ELEC FILTER V
P1-CR	J8-p	63	22	OSAF D1
P1-CS	J8-q	64	22	OSAF D2
P1-CT	J6-B	57	22	SD2
P1-CU	J6-A	58	22	SD1
P1-CV	J6-T	59	22	SDG
P1-CX	J8-n	65	22	OSAF EN1
P1-CY	J8-m	66	22	OSAF EN2
P1-CZ	J6-S	60	22	SE2
P1-DA	J6-W	61	22	SE1
P1-DB	J6-F	62	22	SEG

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

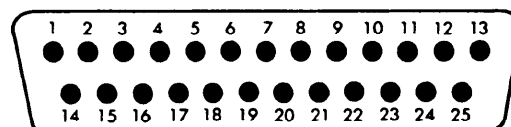
CABLE ASSEMBLY 2A2W15 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J2-Z	NOTE 1	32	22	<u>SPARE</u>
J2-AA	P1-14	15	22	ROW VG
J2-BB	P1-13	14	22	V DATA
J2-CC	P1-12	13	22	VØ2
J2-DD	P1-11	12	22	VØ1
J2-EE	STP3	5	22	SHIELD
J2-FF	P1-10	11	22	HØ COMPOSITE RTN
J2-GG	P1-8	11	22	HØ COMPOSITE
J2-HH	P1-7	10	22	H DATA
J2-JJ	STP2	6	22	SHIELD
J2-KK	P1-5	9	22	+5V RTN
J2-LL	P1-4	9	22	+5V
J2-MM	STP1	7	22	SHIELD
J2-NN	P1-2	8	22	ALC RTN
J2-PP	P1-1	8	22	ALC +12V
J2-a	NOTE 1	31	22	SPARE
J2-b	NOTE 1	30	22	SPARE
J2-c	NOTE 1	29	22	SPARE
J2-d	NOTE 1	28	22	SPARE
J2-e	NOTE 1	25	22	SPARE
J2-f	NOTE 1	24	22	SPARE
J2-g	NOTE 3	4	22	EXT LT RTN
J2-h	NOTE 3	3	22	EXT LT RTN
J2-i	NOTE 2	2	22	EXT LT
J2-j	NOTE 2	1	22	EXT LT
J2-k	NOTE 1	23	22	SPARE
J2-m	NOTE 1	27	22	SPARE
J2-n	NOTE 1	26	22	<u>SPARE</u>
J2-q	P1-25	22	22	<u>VED</u>
J2-r	P1-24	21	22	VEE
J2-s	STP4	33	22	SHIELD
J2-t	P1-22	20	22	CH2 RTN
J2-u	P1-21	20	22	CH2 VIDEO
J2-v	P1-20	19	22	-12V
J2-w	P1-19	18	22	CH1 RTN
J2-x	P1-18	18	22	CH1 VIDEO
J2-y	P1-17	17	22	+12V
J2-z	P1-15	16	22	ALC VIDEO
P1-1	J2-PP	8	22	ALC +12V
P1-2	J2-NN	8	22	ALC RTN
P1-4	J2-LL	9	22	+5 VDC
P1-5	J2-KK	9	22	+5V RTN
P1-7	J2-HH	10	22	H DATA
P1-8	J2-GG	11	22	HØ COMPOSITE



EL9LQ-1000-65B

**J2 - KP28F24-61W**



EL9LQ-1000-11

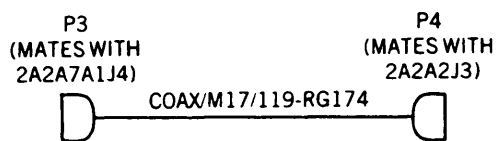
**P1 - M24308/4-3F**

CABLE ASSEMBLY 2A2W15 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-10	J2-FF	11	22	HØ COMPOSITE RTN
P1-11	J2-DD	12	22	VØ1
P1-12	J2-CC	13	22	VØ2
P1-13	J2-BB	14	22	V DATA
P1-14	J2-AA	15	22	ROW VG
P1-15	J2-z	16	22	ALC VIDEO
P1-17	J2-y	17	22	+12V
P1-18	J2-x	18	22	CH1 VIDEO
P1-19	J2-w	18	22	CH1 RTN
P1-20	J2-v	19	22	-12V
P1-21	J2-u	20	22	CH2 VIDEO
P1-22	J2-t	20	22	CH2 RTN
P1-24	J2-r	21	22	VEE
P1-25	J2-q	22	22	VED
STP1	J2-MM	7	22	SHIELD
STP2	J2-JJ	6	22	SHIELD
STP3	J2-EE	5	22	SHIELD
STP4	J2-s	33	22	SHIELD

- NOTE 1. THESE WIRES TIED BACK.
- NOTE 2. CONNECT TO RELAY A2A4A1K8, TERMINALS A1.
- NOTE 3. CONNECT TO RELAY A2A4A1K8, TERMINALS B1.

CABLE ASSEMBLY 2A2W16 WIRE DIAGRAM

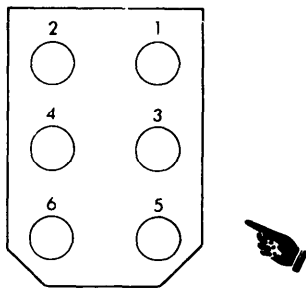


EL9LQ-1010-48



CABLE ASSEMBLY 2A2W19 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
P1-5	P7	5	RG-174/U	TRIGGER
P2-D	P3	1	RG-174/U	SSH 1
P2-J	P4	2	RG-174/U	SSH 2
P2-P	P5	3	RG-174/U	SSH 3
P2-U	P6	4	RG-174/U	SSH 4
P3	P2-D	1	RG-174/U	SSH 1
P4	P2-J	2	RG-174/U	SSH 2
P5	P2-P	3	RG-174/U	SSH 3
P6	P2-U	4	RG-174/U	SSH 4
P7	P1-5	5	RG-174/U	TRIGGER



EL9LQ-1000-59A

P1 - AC-83

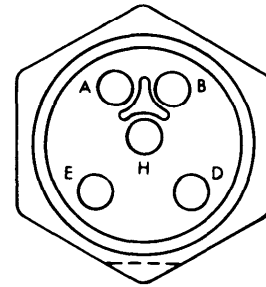


EL9LQ-1000-53A

P2 - AC-80

**CABLE ASSEMBLY 2A2W20 WIRE LIST**

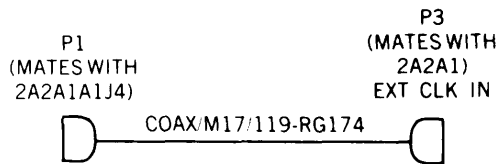
FROM	TO	WIRE ID	WIRE SIZE	SIGNAL /FUNCTION
P4-A	E1	1	22	+5 VDC
P4-D	E3	2	22	-15 VDC
P4-E	E2	3	22	SGN GND



EL9LQ-1000-25

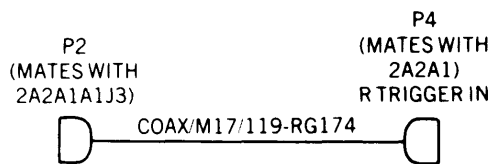
**P4 - M5S-LS**

**CABLE ASSEMBLY 2A2W21 WIRE DIAGRAM**



EL9LQ-1010-50

**CABLE ASSEMBLY 2A2W22 WIRE DIAGRAM**



EL9LQ-1010-51

CABLE ASSEMBLY 2A2W25 WIRE DIAGRAM



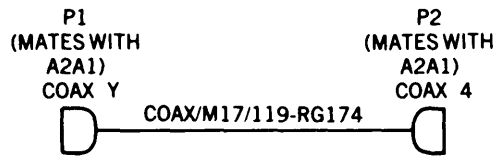
EL9LQ-1010-52C



3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

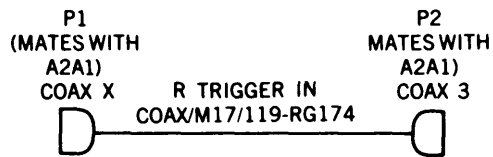
3-22

CABLE ASSEMBLY 2A2W27 WIRE DIAGRAM



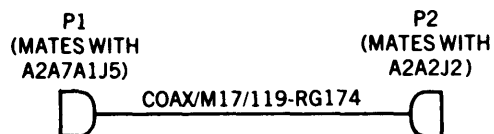
EL9LQ-1010-53

CABLE ASSEMBLY 2A2W28 WIRE DIAGRAM



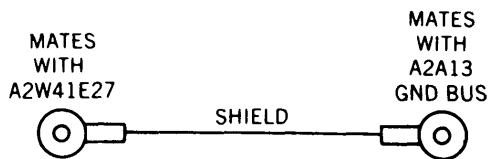
EL9LQ-1010-54

CABLE ASSEMBLY 2A2W30 WIRE DIAGRAM



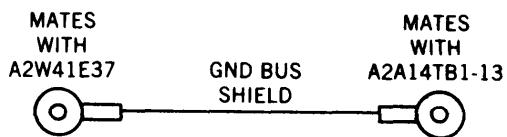
EL9LQ-1010-55

CABLE ASSEMBLY 2A2W31 HI RE DIAGRAM



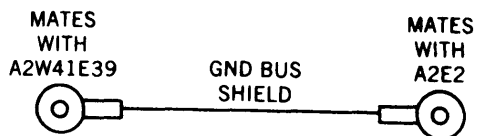
EL9LQ-1010-63

CABLE ASSEMBLY 2A2W32 WIRE DIAGRAM



EL9LQ-1010-64

CABLE ASSEMBLY 2A2W33 WIRE DIAGRAM



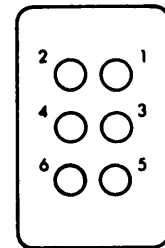
EL9LQ-1010-65A

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

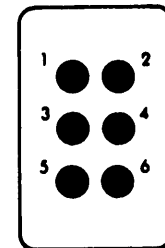
3-22

CABLE ASSEMBLY HPO9412-60003 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-1	P2-1			+5V
P1-2	P2-2			-12V
P1-3	P2-3			GND
P1-4	P2-4			GND
P1-5	P2-5			+12V
P1-6	P2-6			+12V



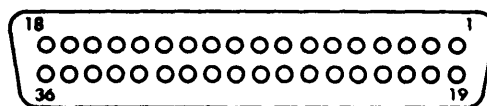
EL9LQ-1000-105



EL9LQ-1000-105

CABLE ASSEMBLY HPO9412-60004 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-1	P2-1			ST (LO)
P1-2	P2-2			ST (HIS)
P1-3	P2-3			ST (HI)
P1-4	P2-4			ST (LOS)
P1-5	P2-5			L RESET
P1-6	P2-6			ENABLE
P1-7	P2-7			B7
P1-8	P2-8			B6
P1-9	P2-9			B5
P1-10	P2-10			B4
P1-11	P2-11			B3
P1-12	P2-12			B2
P1-13	P2-13			B1
P1-14	P2-14			B0
P1-15	P2-15			CLOSE
P1-16	P2-16			A6
P1-17	P2-17			A5
P1-18	P2-18			A4
P1-19	P2-19			ADP DISC ID
P1-20	P2-20			ADP ID CLK
P1-21	P2-21			ADP DISC INTRPT
P1-22	P2-22			EVT SEN ID
P1-23	P2-23			EVT SEN INTRPT
P1-24	P2-24			N/C
P1-25	P2-25			SHIELD
P1-26	P2-26			N/C
P1-27	P2-27			N/C
P1-28	P2-28			N/C
P1-29	P2-29			N/C
P1-30	P2-30			N/C
P1-31	P2-31			CARD ID
P1-32	P2-32			ADP ID DATA
P1-33	P2-33			A0
P1-34	P2-34			A3
P1-35	P2-35			A2
P1-36	P2-36			A1



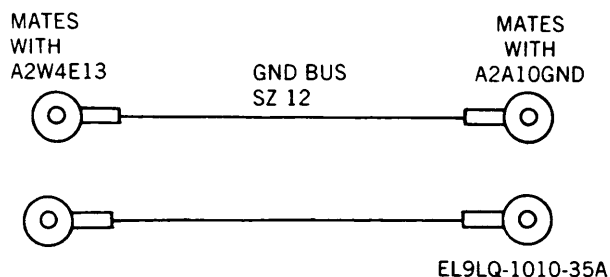
EL9LQ-1000-104



3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W34 WIRE DIAGRAM



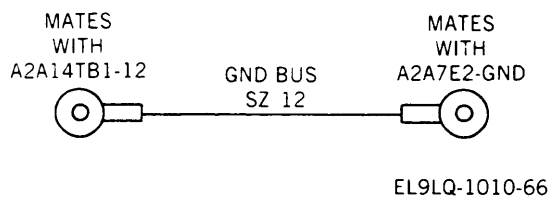
CABLE ASSEMBLY 2A2W35 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A2W11A1E2	A2W41E18		16	GND BUS
A2W11A1E4	A2W41E18		16	GND BUS

CABLE ASSEMBLY 2A2W36 WIRE LIST

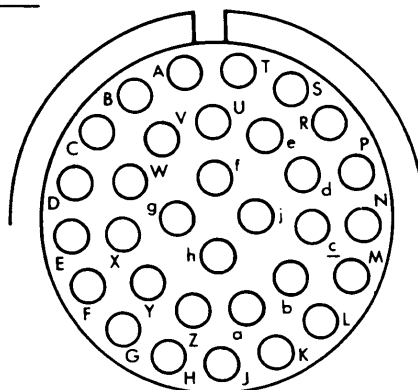
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A2W11A2E1	A2W41E19		16	GND BUS
A2W11A2E3	A2W41E19		16	GND BUS

CABLE ASSEMBLY 2A2W37 WIRE DIAGRAM



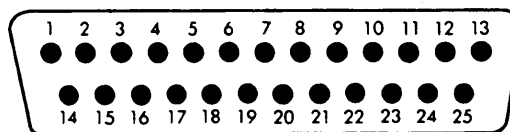
CABLE ASSEMBLY 2A2W92 WIRE LIST

FROM	TO	WI RE I D	WI RE S I Z E	S I G N A L / F U N C T I O N
GND	STP12	29	22	GND
J12-A	STP12	28	22	SHIELD
J12-J	P1-25	27	22	VED
J12-K	P1-24	26	22	VEE
J12-L	STP9	22	22	SHIELD
J12-M	P1-22	21	22	CH2 RTN
J12-N	P1-21	21	22	CH2 VIDEO
J12-P	P1-20	20	22	-12V
J12-R	P1-19	17	22	CH1 RTN
J12-S	P1-18	17	22	CH1 VIDEO
J12-T	P1-17	16	22	+12V
J12-U	P1-7	15	22	H DATA
J12-V	P1-15	14	22	ALC VIDEO
J12-W	P1-14	13	22	ROW VG
J12-X	P1-13	12	22	V DATA
J12-Y	P1-12	11	22	V Ø2
J12-Z	P1-11	10	22	V Ø1
J12-a	P1-8	7	22	HØ COMPOSITE
J12-b	STP5	8	22	SHIELD
J12-c	P1-10	7	22	HØ COMPOSITE RTN
J12-d	STP3	5	22	SHIELD
J12-e	P1-5	4	22	RTN
J12-f	P1-4	4	22	+5V
J12-g	STP1	2	22	SHIELD
J12-h	P1-2	1	22	ALC RTN
J12-j	P1-1	1	22	ALC +12V
P1-1	J12-j	1	22	ALC +12V
P1-2	J12-h	1	22	ALC RTN
P1-4	J12-f	4	22	+5 VDC
P1-5	J12-e	4	22	RTN
P1-7	J12-U	15	22	H DATA
P1-8	J12-a	7	22	HØ COMPOSITE
P1-10	J12-c	7	22	HØ COMPOSITE RTN
P1-11	J12-Z	10	22	V Ø1
P1-12	J12-Y	11	22	V Ø2
P1-13	J12-X	12	22	V DATA
P1-14	J12-W	13	22	ROW VG
P1-15	J12-V	14	22	ALC VIDEO
P1-16	STP11	24	22	SHIELD
P1-17	J12-T	16	22	+12V
P1-18	J12-S	17	22	CH1 VIDEO
P1-19	J12-R	17	22	CH1 RTN
P1-20	J12-P	20	22	-12 VDC
P1-21	J12-N	21	22	CH2 VIDEO



EL9LQ-1000-46

**J12 - KP28F18-32S**



EL9LQ-1000-11

**P1 - M24308/4-3F**

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W92 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-22	J12-M	21	22	CH2 RTN
P1-24	J12-K	26	22	VEE
P1-25	J12-J	27	22	VED
SHIELD	STP1	2	22	SHIELD
SHIELD	STP2	3	22	SHIELD
SHIELD	STP3	5	22	SHIELD
SHIELD	STP4	6	22	SHIELD
SHIELD	STP5	8	22	SHIELD
SHIELD	STP6	9	22	SHIELD
SHIELD	STP7	18	22	SHIELD
SHIELD	STP8	19	22	SHIELD
SHIELD	STP9	22	22	SHIELD
SHIELD	STP10	23	22	SHIELD
SHIELD	STP12	28	22	SHIELD
SHIELD	STP13	25	22	SHIELD
STP1	J12-g	2	22	SHIELD
STP1	SHIELD	2	22	SHIELD
STP2	SHIELD	3	22	SHIELD
STP2	STP11	3	22	SHIELD
STP3	J12-d	5	22	SHIELD
STP3	SHIELD	5	22	SHIELD
STP4	SHIELD	6	22	SHIELD
STP4	STP11	6	22	SHIELD
STP5	J12-b	8	22	SHIELD
STP5	SHIELD	8	22	SHIELD
STP6	SHIELD	9	22	SHIELD
STP6	STP11	9	22	SHIELD
STP7	SHIELD	18	22	SHIELD
STP7	STP9	18	22	SHIELD
STP8	SHIELD	19	22	SHIELD
STP8	STP11	19	22	SHIELD
STP9	J12-L	22	22	SHIELD
STP9	SHIELD	22	22	SHIELD
STP9	STP7	18	22	SHIELD
STP10	SHIELD	23	22	SHIELD
STP10	STP11	23	22	SHIELD
STP11	STP2	3	22	SHIELD
STP11	STP4	6	22	SHIELD
STP11	STP6	9	22	SHIELD
STP11	STP8	19	22	SHIELD
STP11	STP10	23	22	SHIELD
STP11	P1-16	24	22	SHIELD
STP11	STP13	25	22	SHIELD
STP12	GND	29	22	GND
STP12	J12-A	28	22	SHIELD
STP12	SHIELD	28	22	SHIELD
STP13	SHIELD	25	22	SHIELD
STP13	STP11	25	22	SHIELD

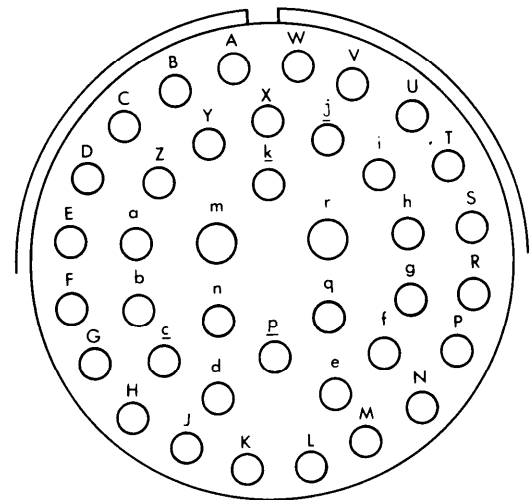


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2H100 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J7-M	P1-CW	44	22	<u>DSMB 03</u>
J7-N	P1-CP	43	22	<u>DSMB 04</u>
J7-P	P1-CN	42	22	<u>DSMB 02</u>
J7-R	P1-CH	41	22	<u>DSFA 01</u>
J7-S	P1-CF	40	22	<u>DSMB 01</u>
J7-T	P1-CA	39	22	<u>DSFA 02</u>
J7-U	P1-BZ	38	22	<u>DSMA 04</u>
J7-V	P1-BV	37	22	<u>DSFA 03</u>
J7-W	P1-BT	36	22	<u>DSMA 03</u>
J7-X	P1-BM	32	22	<u>DSFA 04</u>
J7-Y	P1-BL	31	22	<u>DSMA 02</u>
J7-Z	P1-AE	30	22	<u>QSAF 04</u>
J7-a	P1-Y	29	22	<u>QSAF 03</u>
J7-b	P1-S	28	22	<u>QSAF 02</u>
J7-c	P1-K	27	22	<u>QSAF 01</u>
J7-e	P1-AX	26	22	<u>DSFC 01</u>
J7-f	P1-AT	25	22	<u>DSFC 02</u>
J7-g	P1-AS	24	22	<u>DSMA 01</u>
J7-h	P1-AL	23	22	<u>DSFC 03</u>
J7-i	P1-AK	22	22	<u>DST 04</u>
J7-j	P1-AD	19	22	<u>DSFC 04</u>
J7-k	P1-AC	18	22	<u>DST 03</u>
J7-m	P1-X	14	22	<u>QA SHUTTER</u>
J7-n	P1-W	13	22	<u>DST 02</u>
J7-p	P1-R	9	22	<u>QA FILTER</u>
J7-q	P1-P	8	22	<u>DST 01</u>
J7-r	E24	85	22	<u>GND</u>
J7-s	P1-L	5	22	<u>QA TEST SOURCE</u>
J7-t	P1-D	1	22	<u>DC SHUTTER OPEN</u>
J10-A	E23	70	22	<u>+28 VDC</u>
J10-B	E24	72	22	<u>GND</u>
J10-C	E22	71	22	<u>+28 VDC</u>
J10-D	P1-A	78	22	<u>BORESIGHT GND</u>
J10-E	P1-B	79	22	<u>BORESIGHT LED</u>
J10-F	P1-BY	80	22	<u>BORESIGHT LED GND</u>
J10-G	P1-CR	49	22	<u>SPARE</u>
J10-X	P1-BN	64	22	<u>IR SHUTTER</u>
J10-f	P1-AH	21	22	<u>NST 04</u>
J10-g	P1-AB	17	22	<u>NST1 DT</u>
J10-h	P1-AA	16	22	<u>NST 03</u>
J10-i	P1-V	12	22	<u>NST2 DT</u>
J10-k	P1-U	11	22	<u>NST 02</u>
J10-n	P1-M	6	22	<u>NST 01</u>



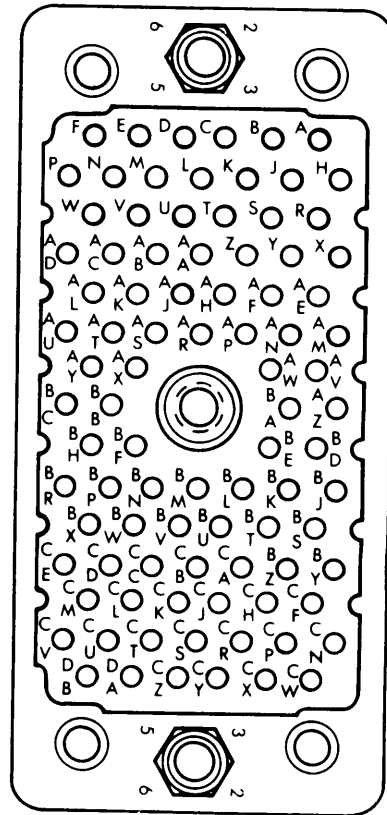
EL9LQ-1000-42A

J10 - KP28F20-39S



CABLE ASSEMBLY 2A2W100 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SIZE	SI GNAL/FUNCTI ON
J10-p	P1-F	3	22	NTCC
J10-q	P1-E	2	22	NTCC
P1-A	J10-D	78	22	BORESIGHT GND
P1-B	J10-E	79	22	BORESIGHT LED
P1-D	J7-t	1	22	DC SHUTTER OPEN
P1-E	J10-q	2	22	NTCC
P1-F	J10-p	3	22	NTCC
P1-K	J7-c	27	22	OSAF Ø1
P1-L	J7-s	5	22	QA TEST SOURCE
P1-M	J10-n	6	22	NST Ø1
P1-N	J7-K	7	22	QA PMT HV
P1-P	J7-q	8	22	DST Ø1
P1-R	J7-p	9	22	QA FILTER
P1-S	J7-b	28	22	OSAF Ø2
P1-U	J10-k	11	22	NST Ø2
P1-V	J10-i	12	22	NST2 DT
P1-W	J7-n	13	22	DST Ø2
P1-X	J7-m	14	22	QA SHUTTER
P1-Y	J7-a	29	22	OSAF Ø3
P1-AA	J10-h	16	22	NST Ø3
P1-AB	J10-g	17	22	NST1 DT
P1-AC	J7-k	18	22	DST Ø3
P1-AD	J7-j	19	22	DSFC Ø4
P1-AE	J7-Z	30	22	OSAF Ø4
P1-AH	J10-f	21	22	NST Ø4
P1-AK	J7-i	22	22	DST Ø4
P1-AL	J7-h	23	22	DSFC Ø3
P1-AS	J7-g	24	22	DSMA Ø1
P1-AT	J7-f	25	22	DSFC Ø2
P1-AV	P3	86	COAX	TRIGGER (CENTER CONTACT)
P1-AW	STP1	88	22	SHIELD
P1-AX	J7-e	26	22	DSFC Ø1
P1-BL	J7-Y	31	22	DSMA Ø2
P1-BM	J7-X	32	22	DSFA Ø4
P1-BN	J10-X	64	22	IR SHUTTER
P1-BP	P2-S	33	22	OSG LENS
P1-BR	P2-R	34	22	OSG FILTER
P1-BS	P2-P	35	22	OSG MIRROR
P1-BT	J7-W	36	22	DSMA Ø3
P1-BV	J7-V	37	22	DSFA Ø3
P1-BW	E6	46	22	+15 VDC
P1-BX	E7	47	22	GND
P1-BY	J10-F	80	22	BORESIGHT LED GND
P1-BZ	J7-U	38	22	DSMA Ø4



EL9LQ-1000-28A

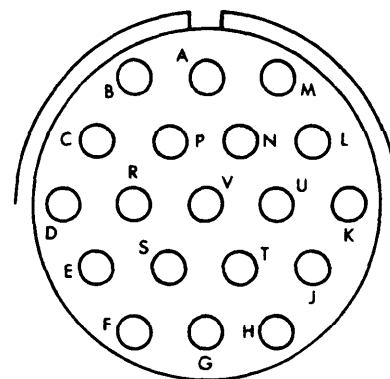
P1 - 13083717

3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W100 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-CA	J7-T	39	22	<u>DSFA Ø2</u>
P1-CB	E11	68	22	+28 VDC
P1-CC	E3	69	22	GND
P1-CD	E8	58	22	-15 VDC
P1-CE	E9	59	22	GND
P1-CF	J7-S	40	22	<u>DSMB Ø1</u>
P1-CH	J7-R	41	22	DSFA Ø1
P1-CJ	J7-H	60	22	SPARE
P1-CK	E10	61	22	+28 VDC
P1-CL	E3	62	22	GND
P1-CN	J7-P	42	22	<u>DSMB Ø2</u>
P1-CP	J7-N	43	22	DSMB Ø4
P1-CR	J10-G	49	22	SPARE
P1-CS	E7	50	22	GND
P1-CT	E19	51	22	GND
P1-CU	E19	52	22	GND
P1-CV	E7	53	22	GND
P1-CW	J7-M	44	22	<u>DSMB Ø3</u>
P1-CX	J7-L	45	22	DST1 OT
P1-CY	E14	54	22	+5 VDC
P1-CZ	E14	55	22	+5 VDC
P1-DA	E16	56	22	+5 VDC
P1-DB	E16	57	22	+5 VDC
P2-C	E30	81	22	OSG LAMP POS
P2-D	E31	82	22	OSG LAMP RTN
P2-G	E5	67	22	OSG LAMP RTN
P2-H	E4	66	22	OSG LAMP POS
P2-M	E19	65	22	GND
P2-N	E10	63	22	+28 VDC
P2-P	P1-BS	35	22	OSG MIRROR
P2-R	P1-BR	34	22	OSG FILTER
P2-S	P1-BP	33	22	OSG LENS
P3	P1-AV	86	COAX	TRIGGER (CENTER CONTACT)
STP1	P1-AW	88	22	SHIELD

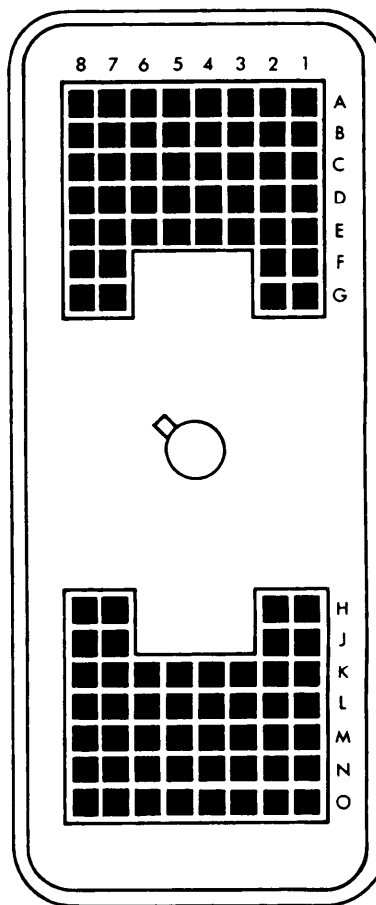


EL9LQ-1000-15

**P2 - -PT06SE-14-19S**

CABLE ASSEMBLY 2A2W105 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J7-A1	P1-A	1	22	
J7-A2	P1-C	2	22	
J7-A3	P1-E	3	22	
J7-A4	P1-H	4	22	
J7-A5	P1-K	5	22	
J7-A6	P1-M	6	22	
J7-A7	P2-A	7	22	
J7-A8	P2-C	8	22	
J7-B1	P2-E	9	22	
J7-B2	P2-H	10	22	
J7-B3	P2-K	11	22	
J7-B4	P2-M	12	22	
J7-B5	P3-A	13	22	
J7-B6	P3-C	14	22	
J7-B7	P3-E	15	22	
J7-B8	P3-H	16	22	
J7-C1	P3-K	17	22	
J7-C2	P3-M	18	22	
J7-C3	P4-A	19	22	
J7-C4	P4-C	20	22	
J7-C5	P4-E	21	22	
J7-C6	P4-H	22	22	
J7-C7	P4-K	23	22	
J7-C8	P4-M	24	22	
J7-D1	P5-A	25	22	
J7-D2	P5-C	26	22	
J7-D3	P5-E	27	22	
J7-D4	P5-H	28	22	
J7-D5	P5-K	29	22	
J7-D6	P5-M	30	22	
P1-1	P1-3	61	22	
P1-2	P1-4	62	22	
P1-3	P1-1	61	22	
P1-3	P1-5	63	22	
P1-4	P1-2	62	22	
P1-4	P1-6	64	22	
P1-5	P1-3	63	22	
P1-5	P1-7	65	22	
P1-6	P1-4	64	22	
P1-6	P1-8	66	22	
P1-7	P1-5	65	22	
P1-7	P1-9	67	22	
P1-8	P1-6	66	22	
P1-8	P1-10	68	22	



EL9LQ-1000-85 A

**J7 - DL2-96R**

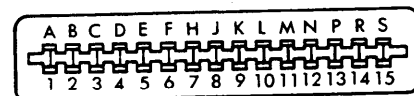


3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

CABLE ASSEMBLY 2A2W105 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-9	P1-7	67	22	
P1-9	P1-11	69	22	
P1-10	P1-8	68	22	
P1-10	P1-12	70	22	
P1-11	P1-9	69	22	
P1-11	P2-11	111	COAX	
P1-11	P6	115	COAX	
P1-12	P1-10	70	22	
P1-12	SPL1	116	COAX	
P1-12	SPL2	117	COAX	
P1-A	J7-A1	1	22	
P1-A	P1-B	31	22	
P1-B	P1-A	31	22	
P1-C	J7-A2	2	22	
P1-C	P1-D	32	22	
P1-D	P1-C	32	22	
P1-E	J7-A3	3	22	
P1-E	P1-F	33	22	
P1-F	P1-E	33	22	
P1-H	J7-A4	4	22	
P1-H	P1-J	34	22	
P1-J	P1-H	34	22	
P1-K	J7-A5	5	22	
P1-K	P1-L	35	22	
P1-L	P1-K	35	22	
P1-M	J7-A6	6	22	
P1-M	P1-N	36	22	
P1-N	P1-M	36	22	
P2-1	P2-3	71	22	
P2-2	P2-4	72	22	
P2-3	P2-1	71	22	
P2-3	P2-5	73	22	
P2-4	P2-2	72	22	
P2-4	P2-6	74	22	
P2-5	P2-3	73	22	
P2-5	P2-7	75	22	
P2-6	P2-4	74	22	
P2-6	P2-8	76	22	
P2-7	P2-5	75	22	
P2-7	P2-9	77	22	
P2-8	P2-6	76	22	
P2-8	P2-10	78	22	
P2-9	P2-7	77	22	
P2-9	P2-11	79	22	



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P1 thru P5-HP14555A

CABLE ASSEMBLY 2A2W105 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-10	P2-8	78	22	
P2-10	P2-12	80	22	
P2-11	P1-11	111	COAX	
P2-11	P2-9	79	22	
P2-11	P3-11	12	COAX	
P2-12	P2-10	80	22	
P2-12	SPL3	118	COAX	
P2-12	SPL4	119	COAX	
P2-A	J7-A8	7	22	
P2-A	P2-B	37	22	
P2-B	P2-A	37	22	
P2-C	J7-A7	8	22	
P2-C	P2-D	38	22	
P2-D	P2-C	38	22	
P2-E	J7-B1	9	22	
P2-E	P2-F	39	22	
P2-F	P2-E	39	22	
P2-H	J7-B2	10	22	
P2-H	P2-J	40	22	
P2-J	P2-H	40	22	
P2-K	J7-B3	11	22	
P2-K	P2-L	41	22	
P2-L	P2-K	41	22	
P2-M	J7-B4	12	22	
P2-M	P2-N	42	22	
P2-N	P2-M	42	22	
P3-1	P3-3	81	22	
P3-2	P3-4	82	22	
P3-3	P3-1	81	22	
P3-3	P3-5	83	22	
P3-4	P3-2	82	22	
P3-4	P3-6	84	22	
P3-5	P3-3	83	22	
P3-5	P3-7	85	22	
P3-6	P3-4	84	22	
P3-6	P3-8	86	22	
P3-7	P3-5	85	22	
P3-7	P3-9	87	22	
P3-8	P3-6	86	22	
P3-8	P3-10	88	22	
P3-9	P3-7	87	22	
P3-9	P3-11	89	22	

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W105 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P3-10	P3-8	88	22	
P3-10	P3-12	90	22	
P3-11	P2-11	112	COAX	
P3-11	P3-9	89	22	
P3-11	P4-11	113	COAX	
P3-12	P3-10	90	22	
P3-12	SPL5	120	COAX	
P3-12	SPL6	121	COAX	
P3-A	J7-B5	13	22	
P3-A	P3-B	43	22	
P3-B	P3-A	43	22	
P3-C	J7-B6	14	22	
P3-C	P3-D	44	22	
P3-D	P3-C	44	22	
P3-E	J7-B7	15	22	
P3-E	P3-F	45	22	
P3-F	P3-E	45	22	
P3-H	J7-B8	16	22	
P3-H	P3-J	46	22	
P3-J	P3-H	46	22	
P3-K	J7-C1	17	22	
P3-K	P3-L	47	22	
P3-L	P3-K	47	22	
P3-M	J7-C2	18	22	
P3-M	P3-N	48	22	
P3-N	P3-M	48	22	
P4-4	P4-2	92	22	
P4-5	P4-7	95	22	
P4-5	P4-3	93	22	
P4-7	P4-5	95	22	
P4-8	P4-6	96	22	
P4-1	P4-3	91	22	
P4-2	P4-4	92	22	
P4-3	P4-5	93	22	
P4-3	P4-1	91	22	
P4-4	P4-6	94	22	
P4-6	P4-8	96	22	
P4-6	P4-4	94	22	
P4-7	P4-9	97	22	
P4-8	P4-10	98	22	
P4-9	P4-7	97	22	
P4-9	P4-11	99	22	

## 3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W105 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P4-10	P4-8	98	22	
P4-10	P4-12	100	22	
P4-11	P3-11	113	COAX	
P4-11	P4-9	99	22	
P4-11	P5-11	114	COAX	
P4-12	P4-10	100	22	
P4-12	SPL7	122	COAX	
P4-12	SPL8	123	COAX	
P4-A	J7-C3	19	22	
P4-A	P4-B	49	22	
P4-B	P4-A	49	22	
P4-C	J7-C4	20	22	
P4-C	P4-D	50	22	
P4-D	P4-C	50	22	
P4-E	J7-C5	21	22	
P4-E	P4-F	51	22	
P4-F	P4-E	51	22	
P4-H	J7-C6	22	22	
P4-H	P4-J	52	22	
P4-J	P4-H	52	22	
P4-K	J7-C	23	22	
P4-K	P4-L	53	22	
P4-L	P4-K	53	22	
P4-M	J7-C8	24	22	
P4-M	P4-N	54	22	
P4-N	P4-M	54	22	
P5-1	P5-3	101	22	
P5-2	P5-4	102	22	
P5-3	P5-1	101	22	
P5-3	P5-5	103	22	
P5-4	P5-2	102	22	
P5-4	P5-6	104	22	
P5-5	P5-3	103	22	
P5-5	P5-7	105	22	
P5-6	P5-4	104	22	
P5-6	P5-8	106	22	
P5-7	P5-5	105	22	
P5-7	P5-9	107	22	
P5-8	P5-6	106	22	
P5-8	P5-10	108	22	
P5-9	P5-7	107	22	
P5-9	P5-11	107	22	

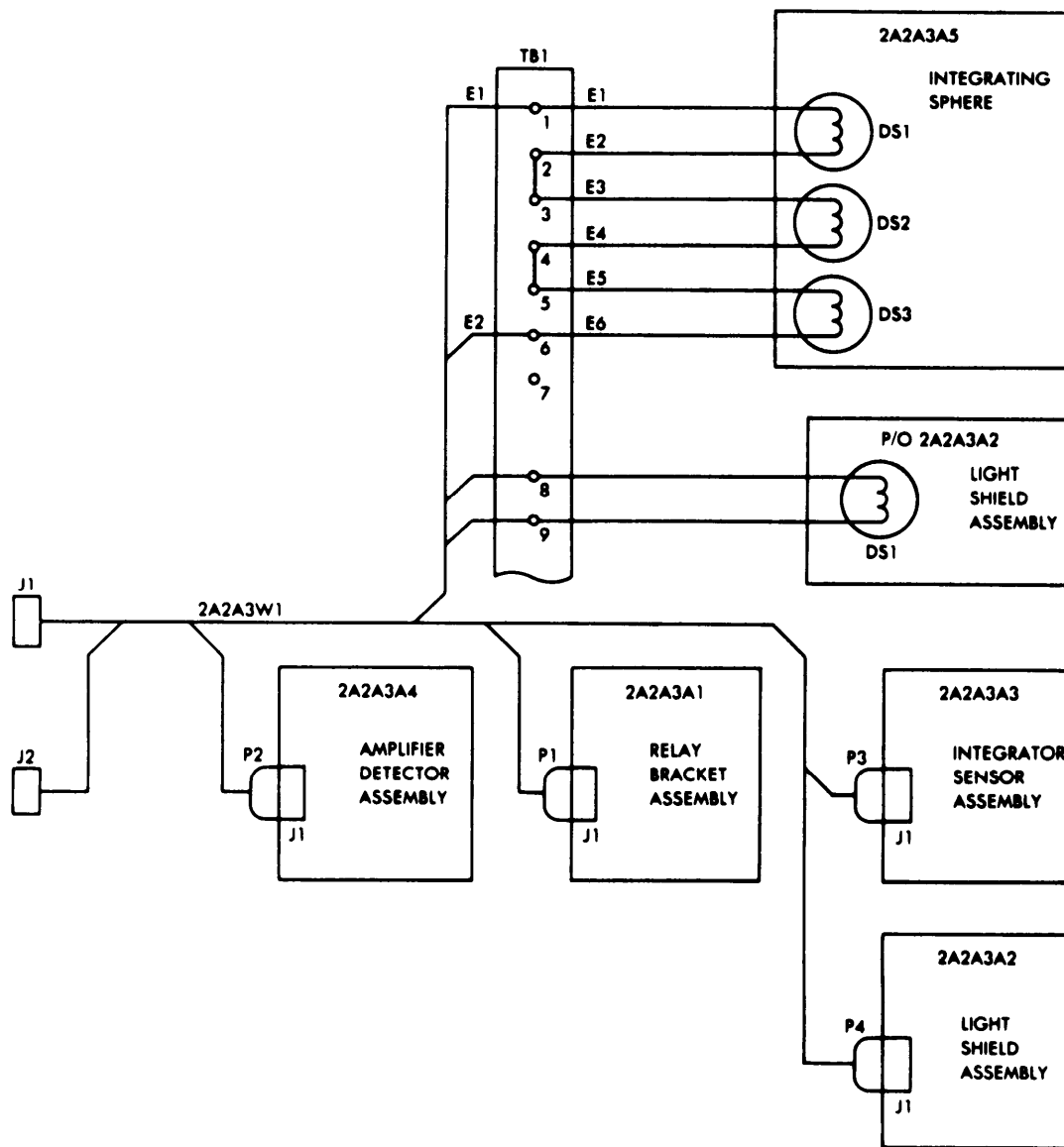
3-22. TEST CONSOLE TEST BENCH 2A2 (cont)

3-22

## CABLE ASSEMBLY 2A2W105 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P5-10	P5-8	108	22	
P5-10	P5-12	110	22	
P5-11	P4-11	114	COAX	
P5-11	P5-9	109	22	
P5-12	P5-10	110	22	
P5-12	SPL9	124	COAX	
P5-A	J7-D1	25	22	
P5-A	P5-B	55	22	
P5-B	P5-A	55	22	
P5-C	J7-D2	26	22	
P5-C	P5-D	56	22	
P5-D	P5-C	56	22	
P5-E	J7-D3	27	22	
P5-E	P5-F	57	22	
P5-F	P5-E	57	22	
P5-H	J7-D4	28	22	
P5-H	P5-J	58	22	
P5-J	P5-H	58	22	
P5-K	J7-D5	29	22	
P5-K	P5-L	59	22	
P5-L	P5-K	59	22	
P5-M	J7-D6	30	22	
P5-M	P5-N	60	22	
P5-N	P5-M	60	22	
P6	P1-11	115	COAX	
SHLD	SPL1	115	COAX	
SPL1	P1-12	116	COAX	
SPL1	SHLD	115	COAX	
SPL2	P1-12	117	COAX	
SPL2	SPL3	111	COAX	
SPL3	P2-12	118	COAX	
SPL3	SPL2	111	COAX	
SPL4	P2-12	119	COAX	
SPL4	SPL5	112	COAX	
SPL5	P3-12	120	COAX	
SPL5	SPL4	112	COAX	
SPL6	P3-12	121	COAX	
SPL6	SPL7	113	COAX	
SPL7	P4-12	122	COAX	
SPL7	SPL6	113	COAX	
SPL8	P4-12	123	COAX	
SPL8	SPL9	114	COAX	
SPL9	P5-12	124	COAX	
SPL9	SPL8	114	COAX	

INTERCONNECTION DIAGRAM



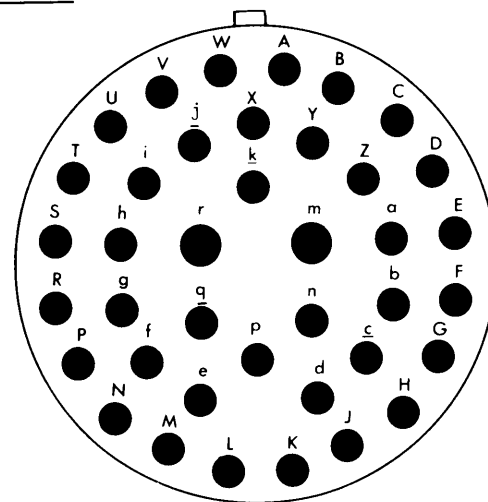
EL9LQ-1010-91

3-23. OPTICAL SIGNAL GENERATOR 2A2A3 (cont)

3-23

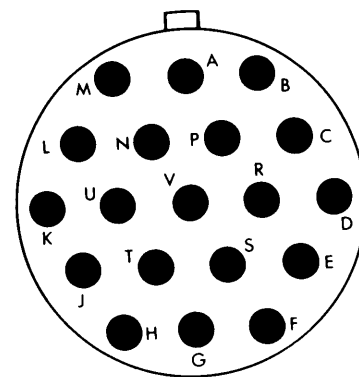
CABLE ASSEMBLY 2A2A3W1 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	P1-18	1	22	+
E2	SPL4	2	22	NEG LAMP PWR
E3	SPL4	3	22	NEG LAMP PWR
E4	P1-19	4	22	+
J1-A	P2-12	21	22	OSG "0"
J1-B	P2-13	22	22	OSG "1"
J1-X	SPL1	28	22	+5 VDC
J1-Z	P2-24	24	22	DETECTOR GND
J1-a	P2-25	25	22	OSG DETECTOR
J1-b	SPL3	33	22	FLIP MIR OUT
J1-c	SPL2	30	22	FLIP MIR IN
J1-d	SPL3	34	22	FILTER B IN
J1-e	SPL2	32	22	FILTER A IN
J1-f	SPL3	35	22	DIFFUSER OUT
J1-g	SPL2	31	22	DIFFUSER IN
J1-h	P2-23	26	22	-15 VDC
J1-i	P2-22	27	22	+15 VDC
J1-y	SPL3	36	22	SIG GND
J2-C	P1-7	11	22	POS LAMP PWR
J2-D	SPL4	5	22	NEG LAMP PWR
J2-G	SPL4	6	22	NEG LAMP PWR
J2-H	P1-20	12	22	POS LAMP PWR
J2-M	P2-14	14	22	GND
J2-N	P1-10	13	22	
P1-1	P2-1	37	22	
P1-3	P2-2	38	22	
P1-4	P3-B	7	22	
P1-5	P2-5	20	22	
P1-7	J2-C	11	22	POS LAMP PWR
P1-8	P2-8	17	22	
P1-9	P2-9	16	22	
P1-10	J2-N	13	22	
P1-14	P2-6	18	22	
P1-15	P2-4	19	22	
P1-16	P2-17	14	22	
P1-17	P4-B	10	22	
P1-18	E1	1	22	+
P1-19	E4	4	22	+
P1-20	J2-H	12	22	POS LAMP PWR
P2-1	P1-1	37	22	
P2-2	P1-3	38	22	
P2-4	P1-15	19	22	



E19LQ-1000-42A

J1 - KP28F20-39P



E19LQ-1000-15

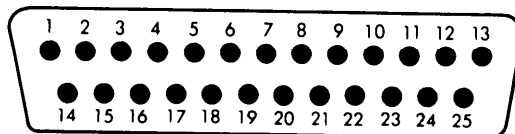
J2 - KP28F14-19P



3-23. OPTICAL SIGNAL GENERATOR 2A2A3 (cont)

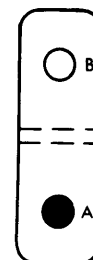
CABLE ASSEMBLY 2A2A3W1 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SIG NAL/FUNCTI ON
P2-5	P1-5	20	22	
P2-6	P1-14	18	22	
P2-8	P1-8	17	22	
P2-9	P1-9	16	22	
P2-11	SPL1	23	22	+5 VDC
P2-12	J1-A	21	22	OSG "0"
P2-13	J1-B	22	22	OSG "1"
P2-14	J2-M	14	22	GND
P2-17	P1-16	14	22	
P2-19	P4-A	9	22	
P2-20	P3-A	8	22	
P2-22	J1-i	27	22	+15 VDC
P2-23	J1-h	26	22	-15 VDC
P2-24	J1-Z	24	22	DETECTOR GND
P2-25	J1-a	25	22	OSG DETECTOR
P3-A	P2-20	8	22	
P3-B	P1-4	7	22	
P4-A	P2-19	9	22	
P4-B	P1-17	10	22	
SPL1	J1-X	28	22	+5 VDC
SPL1	P2-11	23	22	+5 VDC
SPL1	SPL2	29	22	
SPL2	J1-c	30	22	FLIP MIR IN
SPL2	J1-e	32	22	FILTER A IN
SPL2	J1-g	31	22	DIFFUSER IN
SPL2	SPL1	29	22	
SPL3	J1-b	33	22	FLIP MIR OUT
SPL3	J1-d	34	22	FILTER B IN
SPL3	J1-f	35	22	DIFFUSER OUT
SPL3	J1-y	36	22	SIG GND
SPL4	E2	2	22	NEG LAMP PWR
SPL4	E3	3	22	NEG LAMP PWR
SPL4	J2-D	5	22	NEG LAMP PWR
SPL4	J2-G	6	22	NEG LAMP PWR



EL9LQ-1000-11

P1, P2-M24308/2-3F



EL9LQ-1000-12

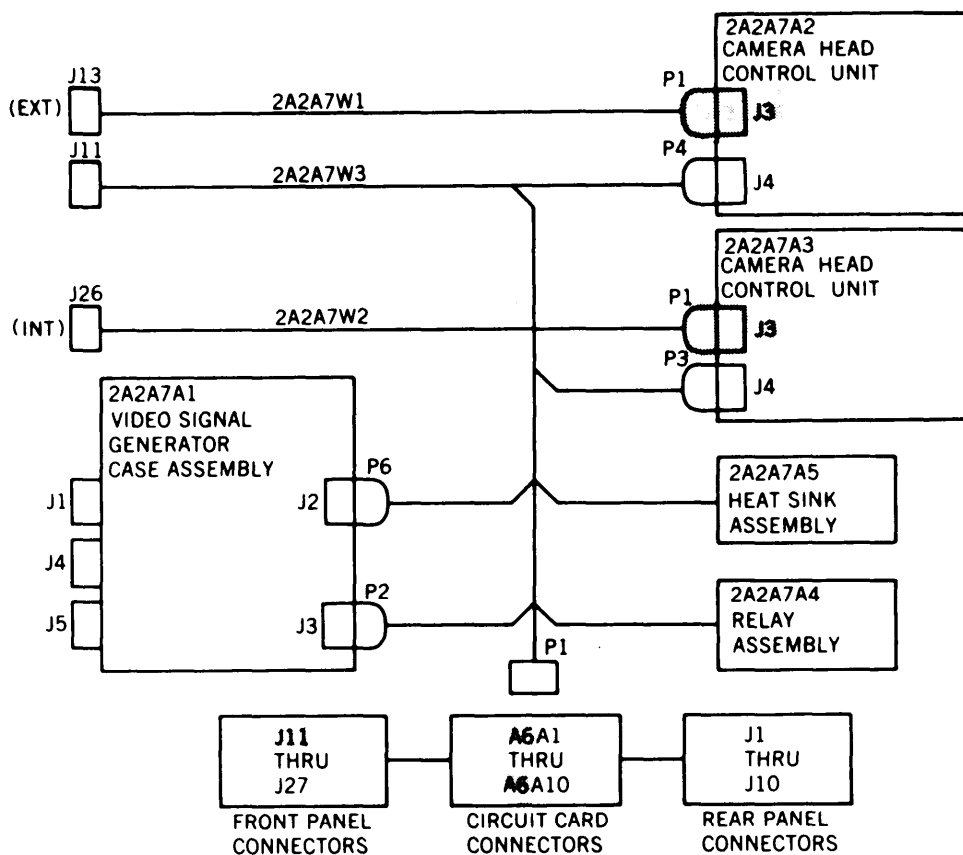
P3, P4 - JF1S-1P-A



3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7

3-24

INTERCONNECTION DIAGRAM



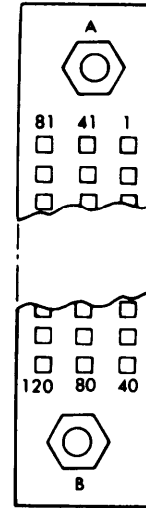
NOTE :

THE DIAGRAM ABOVE REPRESENTS CONNECTIONS BETWEEN VARIOUS CONNECTORS WITHIN THE ELECTRONICS DRAWER SOME OF THESE CONNECTIONS ARE WIRE WRAPPED. THE FOLLOWING WIRE LISTS INCLUDE ALL OF THE ABOVE.

EL9LQ-1010-6C

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A1-G1	A1-40	9012	30	GND
A1-G2	A1-80	9011	30	GND
A1-G3	A1-120	9010	30	GND
A1-V1	A1-81	8010	30	+5 VDC
A1-V2	A1-41	8011	30	+5 VDC
A1-V3	A1-1	8012	30	+5 VDC
A1-1	A1-V3	8012	30	+5 VDC
A1-9	J6-M	101	30	<u>NST PHASE 1</u>
A1-10	J6-U	102	30	<u>NST PHASE 2</u>
A1-11	J6-AA	103	30	<u>NST PHASE 3</u>
A1-12	J6-AH	104	30	<u>NST PHASE 4</u>
A1-13	J6-P	105	30	<u>DST PHASE 1</u>
A1-14	J6-W	106	30	<u>DST PHASE 2</u>
A1-15	J6-AC	107	30	<u>DST PHASE 3</u>
A1-16	J6-AK	108	30	<u>DST PHASE 4</u>
A1-20	A3-20	110	30	<u>NST 1</u>
A1-21	J6-AS	111	30	<u>DSMA PHASE 1</u>
A1-22	J6-BL	112	30	<u>DSMA PHASE 2</u>
A1-23	J6-BT	113	30	<u>DSMA PHASE 3</u>
A1-24	J6-BZ	114	30	<u>DSMA PHASE 4</u>
A1-25	J6-CF	115	30	<u>DSMB PHASE 1</u>
A1-26	J6-CN	116	30	<u>DSMB PHASE 2</u>
A1-27	J6-CW	117	30	<u>DSMB PHASE 3</u>
A1-28	J6-CP	118	30	<u>DSMB PHASE 4</u>
A1-30	A3-30	119	30	<u>NST 2</u>
A1-33	J6-CH	120	30	<u>DSFA PHASE 1</u>
A1-34	J6-CA	121	30	<u>DSFA PHASE 2</u>
A1-35	J6-BV	122	30	<u>DSFA PHASE 3</u>
A1-36	J6-BM	123	30	<u>DSFA PHASE 4</u>
A1-37	A3-37	124	30	<u>OSAF</u>
A1-40	A1-G1	9012	30	GND
A1-41	A1-V2	8011	30	+5 VDC
A1-42	A2-42	125	30	<u>DATA INB 00</u>
A1-43	A2-43	126	30	<u>DATA INB 01</u>
A1-44	A2-44	127	30	<u>DATA INB 02</u>
A1-45	A2-45	128	30	<u>DATA INB 03</u>
A1-47	A3-47	129	30	<u>DSMA</u>
A1-49	A2-49	130	30	<u>FLGS 1 &amp; 2</u>
A1-50	A2-50	131	30	<u>LIMIT I FF</u>
A1-51	A2-51	132	30	<u>CMD/START STRB</u>
A1-52	A2-52	133	30	SPARE
A1-53	A2-53	134	30	CMD START



A1-A13

KEYING CHART		
CONNECTOR POSITION	KEYED POSITION	
A1	A-5	B-5
A2	A-5	B-6
A3	A-5	B-7
A4	A-5	B-8
A5	A-5	B-3
A6	A-5	B-1
A7	A-5	B-4
A8	A-5	B-2
A9	A-6	B-5
A10	A-6	B-8
A11	A-6	B-7
A12	A-6	B-4
A13	A-6	B-6

EL9LQ-1000-102

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A1-54	A2-54	135	30	<u>CMD START</u>
A1-55	A2-55	136	30	<u>SPARE</u>
A1-57	A2-57	137	30	<u>TIME OUT</u>
A1-58	A2-58	138	30	<u>SPARE</u>
A1-59	A2-59	139	30	<u>SPARE</u>
A1-60	A3-60	140	30	<u>DST 1</u>
A1-62	A2-62	141	30	<u>ZERO COUNT</u>
A1-63	A2-63	142	30	<u>COUNT UP FF</u>
A1-64	A2-64	143	30	<u>C &gt; P</u>
A1-65	A2-65	144	30	<u>SPARE</u>
A1-66	A2-66	145	30	<u>CT ERROR FF</u>
A1-67	J6-E	146	30	<u>NTCC</u>
A1-68	A3-68	147	30	<u>DSMB</u>
A1-69	J6-AB	148	30	<u>NST 1 DT</u>
A1-70	J6-V	149	30	<u>NST 2 DT</u>
A1-71	J6-CX	150	30	<u>DST 1 DT</u>
A1-72	J6-F	151	30	<u>NTCC</u>
A1-73	J6-AX	152	30	<u>DSFC PHASE 1</u>
A1-74	J6-AT	153	30	<u>DSFC PHASE 2</u>
A1-75	J6-AL	154	30	<u>DSFC PHASE 3</u>
A1-76	J6-AD	155	30	<u>DSFC PHASE 4</u>
A1-77	A3-77	156	30	<u>DSFA</u>
A1-80	A1-G2	9011	30	<u>GND</u>
A1-81	A1-V1	8010	30	<u>+5 VDC</u>
A1-84	A4-84	9300	30	<u>+28 VDC</u>
A1-87	A3-87	157	30	<u>NST</u>
A1-88	J9-BX	158	30	<u>ST NST 1 DT</u>
A1-89	J9-BY	159	30	<u>ST NST 2 DT</u>
A1-90	J9-BZ	160	30	<u>ST DST 1 DT</u>
A1-91	A2-91	161	30	<u>D1</u>
A1-92	A2-92	162	30	<u>D2</u>
A1-93	A2-93	163	30	<u>D3</u>
A1-94	A2-94	164	30	<u>D4</u>
A1-95	A2-95	165	30	<u>DTO</u>
A1-96	A2-96	166	30	<u>FOCUS</u>
A1-97	A2-97	167	30	<u>EN 1</u>
A1-98	A3-98	109	30	<u>EN 2</u>
A1-101	J6-K	169	30	<u>OSAF PHASE 1</u>
A1-102	J6-S	170	30	<u>OSAF PHASE 2</u>
A1-103	J6-Y	171	30	<u>OSAF PHASE 3</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A1-104	J6-AE	172	30	<u>OSAF PHASE 4</u>
A1-105	J9-BB	173	30	<u>ST PHASE 1</u>
A1-106	J9-BC	174	30	<u>ST PHASE 2</u>
A1-107	J9-BE	175	30	<u>ST PHASE 3</u>
A1-108	J9-BF	176	30	<u>ST PHASE 4</u>
A1-109	A3-109	177	30	<u>CLUTCH CONTROL</u>
A1-110	A2-110	178	30	<u>DSFC</u>
A1-111	A2-111	179	30	<u>DSFC</u>
A1-112	A2-112	184	30	<u>FOCUS</u>
A1-113	A2-113	180	30	<u>CTR CLK</u>
A1-115	A2-115	181	30	<u>DRIVE CLK 4.875 KHZ</u>
A1-116	A2-116	182	30	<u>9.750 KHZ</u>
A1-117	A2-117	183	30	<u>SCLK 312.5 KHZ</u>
A1-120	A1-G3	9010	30	<u>GND</u>
A2-G1	A2-40	9015	30	<u>GND</u>
A2-G2	A2-80	9014	30	<u>GND</u>
A2-G3	A2-120	9013	30	<u>GND</u>
A2-V1	A2-81	8013	30	<u>+5 VDC</u>
A2-V2	A2-41	8014	30	<u>+5 VDC</u>
A2-V3	A2-1	8015	30	<u>+5 VDC</u>
A2-1	A2-V3	8015	30	<u>+5 VDC</u>
A2-9	J10-R	201	30	<u>OD0 2</u>
A2-10	J10-S	202	30	<u>OD1 2</u>
A2-11	J10-T	203	30	<u>OD2 2</u>
A2-12	J10-U	204	30	<u>OD3 2</u>
A2-13	J10-V	205	30	<u>OD4 2</u>
A2-14	J10-W	206	30	<u>OD5 2</u>
A2-15	J10-X	207	30	<u>OD6 2</u>
A2-16	J10-Y	208	30	<u>OD7 2</u>
A2-17	J10-Z	209	30	<u>OD8 2</u>
A2-18	J10-AA	210	30	<u>OD9 2</u>
A2-19	J10-AB	211	30	<u>OD10 2</u>
A2-20	J10-AC	212	30	<u>OD11 2</u>
A2-21	J10-CA	213	30	<u>OGATE 2</u>
A2-22	J10-CB	214	30	<u>OFLAG 2</u>
A2-24	J5-R	215	30	<u>ID0 2</u>
A2-25	J5-S	216	30	<u>ID1 2</u>
A2-26	J5-T	217	30	<u>ID2 2</u>
A2-27	J5-U	218	30	<u>ID3 2</u>
A2-28	J5-V	219	30	<u>ID4 2</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A2-29	J5-W	220	30	<u>ID5 2</u>
A2-30	J5-X	221	30	<u>ID6 2</u>
A2-31	J5-Y	222	30	<u>ID7 2</u>
A2-32	J5-Z	223	30	<u>ID8 2</u>
A2-33	J5-AA	224	30	<u>ID9 2</u>
A2-34	J5-AB	225	30	<u>ID10 2</u>
A2-35	J5-AC	226	30	<u>ID11 2 (SELF TEST)</u>
A2-36	J5-BR	227	30	<u>IGATE 2</u>
A2-37	J5-BS	228	30	<u>IFLAG 2</u>
A2-38	A3-38	229	30	<u>OSAF</u>
A2-40	A2-G1	9015	30	<u>GND</u>
A2-41	A2-V2	8014	30	<u>+5 VDC</u>
A2-42	A1-42	125	30	<u>DATA INB 00</u>
A2-43	A1-43	126	30	<u>DATA INB 01</u>
A2-44	A1-44	127	30	<u>DATA INB 02</u>
A2-45	A1-45	128	30	<u>DATA INB 03</u>
A2-48	A3-48	230	30	<u>DSMA</u>
A2-49	A1-49	130	30	<u>FLGS 1 &amp; 2</u>
A2-50	A1-50	131	30	<u>LIMIT I FF</u>
A2-51	A1-51	132	30	<u>CMD/STAT STRB</u>
A2-52	A1-52	133	30	<u>SPARE</u>
A2-53	A1-53	134	30	<u>CMD START</u>
A2-54	A1-54	135	30	<u>CMD START</u>
A2-54	A2-70	135	30	<u>CMD START</u>
A2-55	A1-55	136	30	<u>SPARE</u>
A2-56	A2-73	231	30	<u>TIME OUT</u>
A2-57	A1-57	137	30	<u>TIME OUT</u>
A2-58	A1-58	138	30	<u>SPARE</u>
A2-59	A1-59	139	30	<u>SPARE</u>
A2-61	A3-61	232	30	<u>DST1</u>
A2-62	A1-62	141	30	<u>ZERO COUNT</u>
A2-63	A1-63	142	30	<u>COUNT UP FF</u>
A2-64	A1-64	143	30	<u>C &gt; P</u>
A2-65	A1-65	144	30	<u>SPARE</u>
A2-66	A1-66	145	30	<u>COUNT ERROR FF</u>
A2-69	A3-69	233	30	<u>DSMB</u>
A2-70	A2-54	135	30	<u>CMD START</u>
A2-71	A2-72	234	30	<u>TEST POINT 2-2</u>
A2-72	A2-71	234	30	<u>TEST POINT 2-3</u>
A2-73	A2-56	231	30	<u>TIME OUT</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A2-78	A3-78	235	30	DSFA
A2-80	A2-G2	9014	30	GND
A2-81	A2-V1	8013	30	+5_VDC
A2-88	A3-88	236	30	NST
A2-89	A3-89	237	30	GH1
A2-90	A3-90	238	30	GH2
A2-91	A1-91	161	30	D1
A2-91	A3-91	161	30	D1
A2-92	A1-92	162	30	D2
A2-92	A3-92	162	30	D2
A2-93	A1-93	163	30	D3
A2-93	A3-93	163	30	D3
A2-94	A1-94	164	30	D4
A2-94	A3-94	164	30	D4
A2-95	A1-95	165	30	DT0
A2-95	A3-95	165	30	DT0
A2-96	A1-96	166	30	FOCUS
A2-97	A1-97	167	30	EN1
A2-97	A3-97	167	30	EN1
A2-99	A3-99	239	30	SPARE
A2-100	A3-100	240	30	LIMIT 1
A2-101	A3-101	241	30	DATA INB 04
A2-102	A3-102	242	30	DATA INB 05
A2-103	A3-103	243	30	DATA INB 06
A2-104	A3-104	244	30	DATA INB 07
A2-105	A3-105	245	30	DATA INB 08
A2-106	A3-106	246	30	BUSY
A2-107	A3-107	247	30	TW
A2-108	A3-108	248	30	TW
A2-110	A1-110	178	30	DSFC
A2-110	A3-110	178	30	DSFC
A2-111	A1-111	179	30	DSFC
A2-111	A3-111	179	30	DSFC
A2-112	A1-112	184	30	FOCUS
A2-113	A1-113	180	30	CTR CLK
A2-115	A1-115	181	30	DRIVE CLK 4.875 KHZ
A2-116	A1-116	182	30	9.75 KHZ
A2-117	A1-117	183	30	SCLK 312.5 KHZ
A2-117	A3-117	183	30	SCLK 312.5 KHZ
A2-120	A2-G3	9013	30	GND

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A3-G1	A3-40	9018	30	GND
A3-G2	A3-80	9017	30	GND
A3-G3	A3-120	9016	30	GND
A3-V1	A3-81	8016	30	+5 VDC
A3-V2	A3-41	8017	30	+5 VDC
A3-V3	A3-1	8018	30	+5 VDC
A3-1	A3-V3	8018	30	+5 VDC
A3-9	J4-H	301	30	<u>NST1 GH1</u>
A3-10	J4-A	302	30	<u>NST1 GH2</u>
A3-11	J4-B	303	30	<u>NST1 D1</u>
A3-12	J4-J	304	30	<u>NST1 D2</u>
A3-13	J4-R	305	30	<u>NST1 D3</u>
A3-14	J4-X	306	30	<u>NST1 D4</u>
A3-15	J4-C	307	30	<u>NST1 DT0</u>
A3-16	J4-K	308	30	<u>NST1 DT1</u>
A3-17	J4-S	309	30	NST EN1
A3-18	J4-Y	310	30	NST EN2
A3-20	A1-20	110	30	<u>NST1</u>
A3-22	J4-AV	314	30	<u>NST2 GH1</u>
A3-23	J4-AN	315	30	<u>NST2 GH2</u>
A3-24	J4-AF	316	30	<u>NST2 D1</u>
A3-25	J4-Z	317	30	<u>NST2 D2</u>
A3-26	J4-T	318	30	<u>NST2 D3</u>
A3-27	J4-L	319	30	<u>NST2 D4</u>
A3-28	J4-D	320	30	<u>NST2 DT0</u>
A3-29	J4-BJ	321	30	<u>NST2 DT1</u>
A3-30	A1-30	119	30	<u>NST2</u>
A3-32	J7-CR	323	30	<u>OSAF D1</u>
A3-33	J7-CS	324	30	OSAF D2
A3-34	J7-CX	325	30	OSAF EN1
A3-35	J7-CY	326	30	OSAF EN2
A3-37	A1-37	124	30	<u>OSAF</u>
A3-38	A2-38	229	30	OSAF
A3-40	A3-G1	9018	30	GND
A3-41	A3-V2	8017	30	+5 VDC
A3-42	J7-A	328	30	<u>DSMA D1</u>
A3-43	J7-B	329	30	DSMA D2
A3-44	J7-C	330	30	DSMA EN1
A3-45	J7-D	331	30	DSMA EN2
A3-47	A1-47	129	30	DSMA

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A3-48	A2-48	230	30	<u>DSMA</u>
A3-49	J7-J	333	30	<u>DST1 GH1</u>
A3-50	J7-K	334	30	<u>DST1 GH2</u>
A3-51	J7-L	335	30	<u>DST1 D1</u>
A3-52	J7-M	336	30	<u>DST1 D2</u>
A3-53	J7-N	337	30	<u>DST1 D3</u>
A3-54	J7-R	338	30	<u>DST1 D4</u>
A3-55	J7-S	339	30	<u>DST1 DT0</u>
A3-56	J7-T	340	30	DST1 DT1
A3-57	J7-U	341	30	DST EN1
A3-58	J7-V	342	30	DST1 EN2
A3-60	A1-60	140	30	<u>DST1</u>
A3-61	A2-61	232	30	<u>DST1</u>
A3-62	J7-AA	344	30	<u>DSMB D1</u>
A3-63	J7-AB	345	30	<u>DSMB D2</u>
A3-64	J7-AE	346	30	DSMB D3
A3-65	J7-AF	347	30	DSMB EN1
A3-66	J7-AH	348	30	DSMB EN2
A3-68	A1-68	147	30	<u>DSMB</u>
A3-69	A2-69	233	30	DSMB
A3-72	J7-AP	350	30	DSFA D1
A3-74	J7-AR	351	30	DSFA EN1
A3-75	J7-AV	352	30	DSFA EN2
A3-76	J7-AW	353	30	DSFA TOW
A3-77	A1-77	156	30	<u>DSFA</u>
A3-78	A2-78	235	30	DSFA
A3-80	A3-G2	9017	30	GND
A3-81	A3-V1	8016	30	+5 VDC
A3-87	A1-87	157	30	<u>NST</u>
A3-88	A2-88	236	30	NST
A3-89	A2-89	237	30	GH1
A3-90	A2-90	238	30	GH2
A3-91	A2-91	161	30	D1
A3-92	A2-92	162	30	D2
A3-93	A2-93	163	30	D3
A3-94	A2-94	164	30	D4
A3-95	A2-95	165	30	<u>DT0</u>
A3-97	A2-97	167	30	<u>EN1</u>
A3-98	A1-98	109	30	EN2
A3-99	A2-99	239	30	SPARE



## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A3-100	A2-100	240	30	<u>LIMIT 1</u>
A3-101	A2-101	241	30	DATA INB 04
A3-102	A2-102	242	30	DATA INB 05
A3-103	A2-103	243	30	DATA INB 06
A3-104	A2-104	244	30	DATA INB 07
A3-105	A2-105	245	30	DATA INB 08
A3-106	A2-106	246	30	BUSY
A3-107	A2-107	247	30	<u>TW</u>
A3-108	A2-108	248	30	<u>TW</u>
A3-109	A1-109	177	30	<u>CLUTCH CONTROL</u>
A3-110	A2-110	178	30	<u>DSFC</u>
A3-111	A2-111	179	30	DSFC
A3-112	J7-BJ	354	30	DSFC L1
A3-113	J7-BK	355	30	DSFC EN1
A3-114	J7-BS	356	30	DSFC EN2
A3-117	A2-117	183	30	SCLK 312, 5 KHZ
A3-117	A8-117	183	30	SCLK 312, 5 KHZ
A3-120	A3-G3	9016	30	GND
A4-G1	A4-40	9021	30	GND
A4-G2	A4-80	9020	30	GND
A4-G3	A4-120	9019	30	GND
A4-V1	A4-81	8019	30	+5 VDC
A4-V2	A4-41	8020	30	+5 VDC
A4-V3	A4-1	8021	30	+5 VDC
A4-1	A4-V3	8021	30	+5 VDC
A4-7	A8-7	9800	30	-15 VDC
A4-7	A10-7	9800	30	-15 VDC
A4-9	J9-CN	401	30	+5 VDC FPS TEST POINT
A4-13	J9-CL	403	30	+15 VDC FPS TEST POINT
A4-15	J9-CM	404	30	-15 VDC FPS TEST POINT
A4-17	J9-CK	405	30	+28 VDC FPS TEST POINT
A4-25	J9-AU	455	30	CHECK PT (A/O OCT 162)
A4-26	J9-AY	456	30	CHECK PT GND
A4-32	J8-BJ	402	30	MINCO PROBE-MPA
A4-33	J8-BK	406	30	MINCO PROBE-MPB
A4-34	J8-AZ	410	30	MINCO PROBE-MPC
A4-35	J8-BA	407	30	MINCO PROBE-MPD
A4-35	J8-CC	407	30	MINCO PROBE-MPD
<b>A4-37</b>	J9-BD	458	30	MINCO PROBE OUT
A4-38	J9-BJ	459	30	MINCO PROBE OUT RTN

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A4-40	A4-G1	9021	30	GND
A4-41	A4-V2	8020	30	+5 VDC
A4-49	J7-BP	408	30	SA2
A4-50	J7-CD	409	30	SB2
A4-51	J7-CL	429	30	SC2
A4-52	J7-CT	411	30	SD2
A4-53	J7-CZ	412	30	SE2
<b>A4-54</b>	J4-AT	413	30	SF2
A4-55	J4-BB	414	30	SG2
A4-56	J4-AX	415	30	SH2
A4-57	J4-BF	416	30	S12
A4-58	J4-BW	417	30	SJ2
A4-59	J9-DB	418	30	A/D GND
A4-61	J7-BC	419	30	SAG
A4-62	J9-F	420	30	SBG
A4-63	J7-CE	421	30	SCG/DCMA TEMP RTN
A4-64	J7-CV	422	30	SDG
A4-65	J7-DB	423	30	SEG
A4-66	J4-AD	424	30	SFG
A4-67	J4-AU	425	30	SGG
A4-68	J4-BC	426	30	SHG
A4-69	J4-BR	427	30	SIG
A4-70	J4-CD	428	30	SJG
A4-73	J3-AU	454	30	400 HZ PEAK DET IN A (28 VAC)
A4-80	A4-G2	9020	30	GND
A4-81	A4-V1	8019	30	+5 VDC
A4-84	A1-84	9300	30	+28 VDC
A4-84	J8-M	9300	30	+28 VDC
A4-86	A8-86	9700	30	+15 VDC
A4-86	A10-86	9700	30	+15 VDC
A4-89	J9-A	431	30	SAO
A4-90	J9-E	432	30	SBO/OSA PMT TEMP
A4-92	J9-M	434	30	SDO/DC MIRROR A TEMP
A4-93	J9-H	435	30	SCO/DC MIRROR B TEMP
A4-94	J9-S	436	30	SFO
A4-95	J9-U	437	30	SGO/FIR SOURCE #1 TEMP
A4-96	J9-AJ	438	30	SHO/FIR SOURCE #2 TEMP
A4-97	J9-AS	439	30	SIO/FIR SOURCE #3 TEMP
A4-98	J9-K	440	30	SJO
A4-101	J7-BH	442	30	SAI

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A4-102	J7-BX	443	30	SBI
A4-103	J7-CM	444	30	SCI
A4-104	J7-CU	445	30	SDI
A4-105	J7-DA	446	30	SEI
A4-106	J4-AL	447	30	SFI
A4-107	J4-AY	448	30	SGI
A4-108	J4-BH	449	30	SHI
A4-109	J4-BP	450	30	SII
A4-110	J4-BV	451	30	SJI
A4-113	J3-AW	452	30	400 HZ PEAK DET A OUT
A4-117	A8-117	183	30	SCLK 312.5 KHZ
A4-120	A4-G3	9019	30	GND
A5-G1	A5-40	9024	30	GND
A5-G2	A5-80	9023	30	GND
A5-G3	A5-120	9022	30	GND
A5-V1	A5-81	8001	30	+5 VDC
A5-V2	A5-41	8001	30	+5 VDC
A5-V3	A5-1	8024	30	+5 VDC
A5-1	A5-V3	8024	30	+5 VDC
A5-6	J10-BB	568	30	<u>SEQ/INT</u>
A5-7	J8-X	569	30	<u>SEQ B</u>
A5-8	J8-AD	570	30	<u>SEQ A</u>
A5-10	A8-71	500	30	EXT1 (V-SYNC/3)
A5-21	A7-21	501	30	IN0
A5-22	A7-22	502	30	IN1
A5-23	A7-23	503	30	IN2
A5-24	A7-24	504	30	IN3
A5-25	A7-25	505	30	IN4
A5-26	A7-26	506	30	IN5
A5-27	A7-27	507	30	IN6
A5-28	A7-28	508	30	IN7
A5-29	A7-29	509	30	IN8
A5-30	A7-30	510	30	IN9
A5-31	A7-31	511	30	IN10
A5-32	A7-32	512	30	IN11
A5-33	A7-33	513	30	IN12
A5-34	A7-34	514	30	IN13
A5-35	A7-35	515	30	IN14
A5-36	A7-36	516	30	IN15
A5-40	A5-G1	9024	30	GND

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A5-41	A5-V2	8001	30	+5 VDC
A5-41	J8-AT	8001	30	+5 VDC
A5-44	J8-A	517	30	VI DEO 1-B
A5-45	J8-B	518	30	VI DEO 2-B
A5-46	J8-C	519	30	VI DEO 3-B
A5-47	J8-R	520	30	VI DEO 4-B
A5-48	J8-S	521	30	VI DEO 5-B
A5-49	J8-T	522	30	VI DEO 6-B
A5-50	J8-AE	523	30	VI DEO 7-B
A5-51	J8-AF	524	30	VI DEO 8-B
A5-53	J8-AH	525	30	ERC-B
A5-54	J8-AV	526	30	VSYNC-B
A5-55	J8-AW	527	30	HSYNC-B
A5-57	J8-BD	528	30	<u>VI DEO EN-B</u>
A5-58	J8-BE	529	30	CLOCK EN-B
A5-61	J8-D	530	30	VI DEO 1 A
A5-62	J8-E	531	30	VI DEO 2 A
A5-63	J8-F	532	30	VI DEO 3 A
A5-64	J8-U	533	30	VI DEO 4 A
A5-65	J8-V	534	30	VI DEO 5 A
A5-66	J8-W	535	30	VI DEO 6 B
A5-67	J8-AJ	536	30	VI DEO 7 A
A5-68	J8-AK	537	30	<u>VI DEO 8 A</u>
A5-70	J8-AL	538	30	ERC-A
A5-71	J8-AX	539	30	VSYNC-A
A5-72	J8-AY	540	30	HSYNC-A
A5-74	J8-BF	541	30	<u>VI DEO EN-A</u>
A5-75	J8-BH	542	30	CLOCK EN-A
A5-80	A5-G2	9023	30	GND
A5-81	A5-V1	8001	30	+5 VDC
A5-81	J8-AT	8001	30	<u>+5 VDC</u>
A5-82	J2-BA	168	30	CNT 3
A5-83	A7-86	185	30	6.72 MHZ CK
A5-84	J2-AZ	756	30	CNT 3
A5-85	A7-85	567	30	1.68 MHZ CK
A5-87	A7-87	543	30	<u>BUS EN I</u>
A5-88	A7-88	544	30	BUS EN E
<b>A5-91</b>	A7-91	545	30	<u>SRO</u>
A5-92	A7-92	546	30	<u>DVCMD RELAYED</u>
A5-97	J2-A	563	30	DVCMD HI

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A5-98	J2-B	564	30	<u>DVCMD LO</u>
A5-99	J2-E	565	30	DVFLG HI
A5-100	J2-F	566	30	DVFLG LO
A5-101	A7-101	547	30	OUT 0
A5-102	A7-102	548	30	OUT 1
A5-103	A7-103	549	30	OUT 2
A5-104	A7-104	550	30	OUT 3
A5-105	A7-105	551	30	OUT 4
A5-106	A7-106	552	30	OUT 5
A5-107	A7-107	553	30	OUT 6
A5-108	A7-108	554	30	OUT 7
A5-109	A7-109	555	30	OUT 8
A5-110	A7-110	556	30	OUT 9
A5-111	A7-111	557	30	OUT 10
A5-112	A7-112	558	30	OUT 11
A5-113	A7-113	559	30	OUT 12
A5-114	A7-114	560	30	OUT 13
A5-115	A7-115	561	30	OUT 14
A5-116	A7-116	562	30	OUT 15
A5-120	A5-G3	9022	30	GND
A6-G1	A6-40	9027	30	GND
A6-G2	A6-80	9026	30	GND
A6-G3	A6-120	9025	30	GND
A6-V1	A6-81	8025	30	GND
A6-V2	A6-41	8026	30	GND
A6-V3	A6-1	8027	30	GND
A6-1	A6-V3	8027	30	GND
A6-40	A6-G1	9027	30	GND
A6-41	A6-V2	8026	30	GND
A6-80	A6-G2	9026	30	GND
A6-81	A6-V1	8025	30	GND
A6-120	A6-G3	9025	30	GND
A7-G1	A7-40	9030	30	GND
A7-G2	A7-80	9029	30	GND
A7-G3	A7-120	9028	30	GND
A7-V1	A7-81	8028	30	+5 VDC
A7-V2	A7-41	8029	30	+5 VDC
A7-V3	A7-1	8030	30	+5 VDC
A7-1	A7-V3	8030	30	+5 VDC
A7-2	J1-P	700	30	ADIN 0

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A7-3	J1-W	701	30	ADIN 1
A7-4	J1-AC	702	30	ADIN 2
A7-5	J1-AD	703	30	ADIN 3
A7-6	J1-AK	704	30	ADIN 4
A7-7	J1-AL	705	30	ADIN 5
A7-8	J1-AS	706	30	ADIN 6
A7-9	J1-AT	707	30	ADIN 7
A7-10	J1-AU	708	30	ADIN 8
A7-11	J1-AX	709	30	ADIN 9
A7-12	J1-AY	710	30	ADIN 10
A7-13	J1-BB	711	30	ADIN 11
A7-14	J1-BC	712	30	ADIN 12
A7-15	J1-BF	713	30	ADIN 13
A7-16	J1-BH	714	30	ADIN 14
A7-17	J1-BP	715	30	ADIN 15
A7-18	J2-T	716	30	<del>DIF IN 10</del>
A7-19	J1-AF	717	30	<del>A/D FLAG</del>
A7-20	J1-AN	757	30	<del>A/D DVCMO</del>
A7-21	A5-21	501	30	IN 0
A7-22	A5-22	502	30	IN 1
A7-23	A5-23	503	30	IN 2
A7-24	A5-24	504	30	IN 3
A7-25	A5-25	505	30	IN 4
A7-26	A5-26	506	30	IN 5
A7-27	A5-27	507	30	IN 6
A7-28	A5-28	508	30	IN 7
A7-29	A5-29	509	30	IN 8
A7-30	A5-30	510	30	IN 9
A7-31	A5-31	511	30	IN 10
A7-32	A5-32	512	30	IN 11
A7-33	A5-33	513	30	IN 12
A7-34	A5-34	514	30	IN 13
A7-35	A5-35	515	30	IN 14
A7-36	A5-36	516	30	IN 15
A7-37	J2-K	718	30	<del>DIF IN 14</del>
A7-38	J2-L	719	30	<del>DIF IN 14</del>
A7-39	J2-H	767	30	<del>DIF IN 15</del>
A7-40	A7-G1	9030	30	GND
A7-41	A7-V2	8029	30	+5 VDC
A7-42	J2-AS	720	30	<del>DIF IN 0</del>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A7-43	J2-AP	721	30	DIF IN 1
A7-44	J2-AM	722	30	DIF IN 2
A7-45	J2-AF	723	30	DIF IN 3
A7-46	J2-AE	724	30	DIF IN 3
A7-47	J2-AJ	725	30	DIF IN 4
A7-48	J2-AH	726	30	DIF IN 4
A7-49	J2-AL	727	30	DIF IN 5
A7-50	J2-AC	728	30	DIF IN 6
A7-51	J2-AD	729	30	DIF IN 6
A7-52	J2-AA	730	30	DIF IN 7
A7-53	J2-AB	731	30	DIF IN 7
A7-54	J2-Y	732	30	DIF IN 8
A7-55	J2-Z	733	30	DIF IN 8
A7-56	J2-R	734	30	DIF IN 9
A7-57	J2-X	735	30	DIF IN 9
A7-58	J2-S	760	30	DIF IN 10
A7-59	J2-V	761	30	DIF IN 11
A7-60	J2-P	762	30	DIF IN 12
A7-61	J1-BL	736	30	MPIN 0
A7-62	J1-BM	737	30	MPIN 1
A7-63	J1-BN	738	30	MPIN 2
A7-64	J1-BU	739	30	MPIN 3
A7-65	J1-BV	740	30	MPIN 4
A7-66	J1-BW	741	30	MPIN 5
A7-67	J1-CB	742	30	MPIN 6
A7-68	J1-CC	743	30	MPIN 7
A7-69	J1-CD	744	30	MPIN 8
A7-70	J1-CK	745	30	MPIN 9
A7-71	J1-CL	746	30	MPIN 10
A7-72	J1-CM	747	30	MPIN 11
A7-73	J2-M	748	30	DIF IN 13
A7-74	J2-N	749	30	DIF IN 13
A7-75	J2-BD	771	30	CNT0
A7-76	J1-DB	751	30	MPIN 15
A7-77	J1-CZ	758	30	MP FLG
A7-78	J1-CX	759	30	MP DVCMD
A7-79	J2-J	770	30	DIF IN 15
A7-80	A7-G2	9029	30	GND
A7-81	A7-V1	8028	30	+5 VDC
A7-82	J2-AT	763	30	DIF IN 0

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A7-83	J2-AR	764	30	DIF IN 1
A7-84	J2-AN	765	30	DIF IN 2
A7-85	A5-85	567	30	1.68 MHZ CK
A7-86	A5-83	185	30	6.72 MHZ CK
A7-86	A9-71	185	30	6.72 MHZ CK
A7-87	A5-87	543	30	BUS EN I
A7-88	A5-88	544	30	BUS EN E
A7 89	J2-AK	766	30	DIF IN 5
A7-90	J1-AE	752	30	SIG GND
A7-91	A5-91	545	30	SRQ
A7-92	A5-92	546	30	DVCMB RELAYED
A7-93	J2-BE	753	30	CNT 0
A7-94	J2-BH	754	30	CNT 1
A7-95	J2-BB	755	30	CNT 2
A7-99	J2-U	768	30	DIF IN 11
A7-100	J2-W	769	30	DIF IN 12
A7-101	A5-101	547	30	OUT 0
A7-101	J1-A	547	30	OUT 0
A7-102	A5-102	548	30	OUT 1
A7-102	J1-B	548	30	OUT 1
A7-103	A5-103	549	30	OUT 2
A7-103	J1-C	549	30	OUT 2
A7-104	A5-104	550	30	OUT 3
A7-104	J1-D	550	30	OUT 3
A7-105	A5-105	551	30	OUT 4
A7-105	J1-E	551	30	OUT 4
A7-106	A5-106	552	30	OUT 5
A7-106	J1-H	552	30	OUT 5
A7-107	A5-107	553	30	OUT 6
A7-107	J1-J	553	30	OUT 6
A7-108	A5-108	554	30	OUT 7
A7-108	J1-K	554	30	OUT 7
A7-109	A5-109	555	30	OUT 8
A7-109	J1-L	555	30	OUT 8
A7-110	A5-110	556	30	OUT 9
A7-110	J1-M	556	30	OUT 9
A7-111	A5-111	557	30	OUT 10
A7-111	J1-R	557	30	OUT 10
A7-112	A5-112	558	30	OUT 11
A7-112	J1-S	558	30	OUT 11



## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A7-113	A5-113	559	30	OUT 12
A7-113	J1-T	559	30	OUT 12
A7-114	A5-114	560	30	OUT 13
A7-114	J1-U	560	30	OUT 13
A7-115	A5-115	561	30	OUT 14
A7-115	J1-X	561	30	OUT 14
A7-116	A5-116	562	30	OUT 15
A7-116	J1-Y	562	30	OUT 15
A7-117	J2-BF	772	30	CNT 1
A7-119	J2-BC	781	30	CNT 2
A7-120	A7-G3	9028	30	GND
A8-G1	A8-40	9033	30	GND
A8-G2	A8-80	9032	30	GND
A8-G3	A8-120	9031	30	GND
A8-V1	A8-81	8031	30	+5 VDC
A8-V2	A8-41	8032	30	+5 VDC
A8-V3	A8-1	8033	30	+5 VDC
A8-1	A8-V3	8033	30	+5 VDC
A8-3	A9-3	870	30	CARD ENABLE
A8-7	A4-7	9800	30	-15 VDC
A8-7	J8-P	9800	30	-15 VDC
A8-9	A9-9	800	30	OD0 1
A8-9	J10-A	800	30	OD0 1
A8-10	A9-10	801	30	OD1 1
A8-10	J10-B	801	30	OD1 1
A8-11	A9-11	802	30	OD2 1
A8-11	J10-C	802	30	OD2 1
A8-12	A9-12	803	30	OD3 1
A8-12	J10-D	803	30	OD3 1
A8-13	A9-13	804	30	OD4 1
A8-13	J10-E	804	30	OD4 1
A8-14	A9-14	805	30	OD5 1
A8-14	J10-F	805	30	OD5 1
A8-15	A9-15	806	30	OD6 1
A8-15	J10-H	806	30	OD6 1
A8-16	A9-16	807	30	OD7 1
A8-16	J10-J	807	30	OD7 1
A8-17	A9-17	808	30	OD8 1
A8-17	J10-K	808	30	OD8 1
A8-18	A9-18	809	30	OD9 1

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
A8-18	J10-L	809	30	<u>OD9 1</u>
A8-19	A9-19	810	30	<u>OD10 1</u>
A8-19	J10-M	810	30	<u>OD10 1</u>
A8-20	A9-20	811	30	<u>OD11 1 (SELF-TEST)</u>
A8-20	J10-N	811	30	<u>OD11 1 (SELF-TEST)</u>
A8-21	A9-21	812	30	<u>OGATE 1</u>
A8-21	J10-BX	812	30	<u>OGATE 1</u>
A8-22	A9-22	813	30	<u>OFLAG 1</u>
A8-22	J10-BY	813	30	<u>OFLAG 1</u>
A8-23	A9-23	186	30	<u>WR</u>
A8-24	J5-A	814	30	<u>ID0 1</u>
A8-25	J5-B	815	30	<u>ID1 1</u>
A8-26	J5-C	816	30	<u>ID2 1</u>
A8-27	J5-D	817	30	<u>ID3 1</u>
A8-28	J5-E	818	30	<u>ID4 1</u>
A8-29	J5-F	819	30	<u>ID5 1</u>
A8-30	J5-H	820	30	<u>ID6 1</u>
A8-31	J5-J	821	30	<u>ID7 1</u>
A8-32	J5-K	822	30	<u>ID8 1</u>
A8-33	J5-L	823	30	<u>ID9 1</u>
A8-34	J5-M	824	30	<u>ID10 1</u>
A8-35	J5-N	825	30	<u>ID11 1 (SELF-TEST)</u>
A8-36	J5-BM	826	30	<u>IGATE 1</u>
A8-37	J5-BN	827	30	<u>IFLAG 1</u>
A8-40	A8-G1	9033	30	<u>GND</u>
A8-41	A8-V2	8032	30	<u>+5 VDC</u>
A8-43	J3-BL	828	30	<u>CAMERA SYNC</u>
A8-44	J3-BN	829	30	<u>CAMERA SYNC</u>
A8-46	A9-46	885	30	<u>INT TRIGGER</u>
A8-50	A9-49	869	30	<u>INT WINDOW</u>
A8-52	J8-BN	832	30	<u>CAMERA VIDEO</u>
A8-54	A9-54	886	30	<u>VIDEO SYNC</u>
A8-55	J14	SHIELD	COAX	<u>GND</u>
A8-55	J15	SHIELD	COAX	<u>GND</u>
A8-56	A9-56	890	30	<u>PPG OUT 1</u>
A8-56	J14	CENTER	COAX	<u>PPG OUT 1</u>
A8-57	A9-57	891	30	<u>PPG OUT 2</u>
A8-57	J15	CENTER	COAX	<u>PPG OUT 2</u>
A8-58	A9-58	892	30	<u>PPG OUT 3</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A8-58	J16	CENTER	COAX	PPG OUT 3
A8-59	A9-59	893	30	PPG OUT 4
A8-59	J17	CENTER	COAX	PPG OUT 4
A8-60	J3-BX	833	30	LASER TEST
A8-61	J16	SHI ELD	COAX	GND
A8-61	J7	SHI ELD	COAX	GND
A8-62	J8-CE	840	30	R0
A8-63	J8-CF	841	30	R1
A8-64	J8-CH	842	30	R2
A8-65	J8-CJ	843	30	R3
A8-66	J8-CK	844	30	R4
A8-67	J8-CL	845	30	R5
A8-67	J18	—	COAX	R5
A8-68	J8-CM	846	30	R6
A8-69	J8-CN	847	30	R7
A8-71	A5-10	500	30	EXT 1 (V-SYNC/3)
A8-74	A9-97	895	30	ODD/EVEN F I E L D 1
A8-75	A9-74	906	30	TCLK
A8-77	J7-CB	865	30	LASER CK OUT
A8-78	A9-99	897	30	ODD/EVEN F I E L D 3-4
A8-79	A9-98	896	30	ODD/EVEN F I E L D 2
A8-80	A8-G2	9032	30	GND
A8-81	A8-VI	8031	30	+5 VDC
A8-81	J8-BT	8000	30	+5 VDC
A8-84	A9-84	888	30	OUT 4-5
A8-86	A4-86	9700	30	+15 VDC
A8-86	J8-N	9700	30	+15 VDC
A8-93	A9-93	889	30	OUT 3-5
A8-99	AS-96	894	30	OUT 2-5
A8-117	A3-117	183	30	SCLK 312.5 KHZ
A8-117	A4-117	183	30	SCLK 312.5 KHZ
A8-120	A8-G3	9031	30	GND
A9-G1	A9-40	9036	30	EXT VERT BLANK
A9-G2	A9-80	9035	30	GND
A9-G3	A9-120	9034	30	GND
A9-V1	A9-81	8034	30	+5 VDC
A9-V2	A9-41	8035	30	+5 VDC
A9-V3	A9-1	8036	30	+5 VDC
A9-1	A9-V3	8036	30	+5 VDC
A9-3	A8-3	870	30	CARD ENABLE
A9-7	A10-7	9800	30	-15 VDC

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A9-9	A8-9	800	30	<u>OD0 1</u>
A9-10	A8-10	801	30	<u>OD1 1</u>
A9-11	A8-11	802	30	<u>OD2 1</u>
A9-12	A8-12	803	30	<u>OD3 1</u>
A9-13	A8-13	804	30	<u>OD4 1</u>
A9-14	A8-14	805	30	<u>OD5 1</u>
A9-15	A8-15	806	30	<u>OD6 1</u>
A9-16	A8-16	807	30	<u>OD7 1</u>
A9-17	A8-17	808	30	<u>OD8 1</u>
A9-18	A8-18	809	30	<u>OD9 1</u>
A9-19	A8-19	810	30	<u>OD10 1</u>
A9-20	A8-20	811	30	<u>OD11 1 (SELF TEST)</u>
A9-21	A8-21	812	30	<u>OGATEW 1</u>
A9-22	A8-22	813	30	<u>OFLAG 1</u>
A9-23	A8-23	186	30	WR
A9-24	J3-BY	-	22	MUX SIG 0
A9-25	J3-CA	-	22	MUX SIG 1
A9-26	J3-CC	-	22	MUX SIG 2
A9-27	J3-CE	-	22	MUX SIG 3
A9-28	J3-T	-	22	MUX SIG 4
A9-29	J3-V	-	22	MUX SIG 5
A9-30	J3-AB	-	22	MUX SIG 6
A9-31	J3-AD	-	22	MUX SIG 7
A9-33	J24	-	COAX	PPG OUT 5
A9-34	J25	-	COAX	EXT HOR BLANK
A9-40	A9-G1	9036	30	EXT VERT BLANK
A9-41	A9-V2	8035	30	<u>+5 VDC</u>
A9-43	A10-43	901	30	<u>COMP BLNKB</u>
A9-44	A10-44	902	30	WINDOW B
A9-45	J19	-	COAX	VID SYNC OUT
A9-46	A8-46	885	30	INT TRIGGER
A9-47	J6-AV	-	22	DIG TRIG
A9-48	SHIELD	-	COAX	SHIELD
A9-49	A8-50	869	30	<u>INT WINDOW</u>
A9-50	J8-BM	903	30	WINDOW
A9-53	J8-CD	904	30	BH BLANK
A9-54	A8-54	886	30	VIDEO SYNC
A9-55	J8-BP	905	30	B VID SYNC
A9-56	A8-56	890	30	PPG OUT 1
A9-57	A8-57	891	30	PPG OUT 2
A9-58	A8-58	892	30	PPG OUT 3

3-24. ELECTRONICS DRAMER ASSEMBLY 2A2A7 (cont)

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ELECTRONICS DRAMER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A9-59	A8-59	893	30	PPG OUT 4
A9-62	J21	-	COAX	HBLANK
A9-63	SHI ELD	-	COAX	SHIELD
A9-64	J22	-	COAX	VBLANK
A9-65	J23	-	COAX	REMOTE TRIG
A9-67	J18	-	COAX	PPG 5 OUT
A9-68	J12	-	COAX	<u>EXT CLOCK</u>
A9-70	J12	-	COAX	EXT CLOCK
A9-71	A7-86	185	30	6.72 MHZ CK
A9-74	A8-75	906	30	TCLK
A9-75	J8-BL	887	30	BCK
A9-78	A10-78	907	30	SPARE
A9-79	A10-79	908	30	SPARE
A9-80	A9-G2	9035	30	GND
A9-81	A9-V1	8034	30	+5 VDC
A9-84	A8-84	888	30	OUT 4-5
A9-93	A8-93	889	30	OUT 3-5
A9-96	A8-99	894	30	OUT 2-5
A9-97	A8-74	895	30	ODD/EVEN FIELD 1
A9-98	A8-79	896	30	ODD/EVEN FIELD 2
A9-99	A8-78	897	30	ODD/EVEN FIELD 3-4
A9-120	A9-G3	9034	30	GND
A10-G1	A10-40	9039	30	GND
A10-G2	A10-80	9038	30	GND
A10-G3	A10-120	9037	30	GND
A10-V1	A10-81	8037	30	+5 VDC
A10-V2	A10-41	8038	30	+5 VDC
A10-V3	A10-1	8039	30	+5 VDC
A10-1	A10-V3	8039	30	+5 VDC
A10-3	J27	-	COAX	SPARE
A10-4	SHI ELD	-	COAX	GND
A10-7	A4-7	9800	30	-15 VDC
A10-7	A9-7	9800	30	-15 VDC
A10-40	A10-G1	9039	30	GND
A10-41	A10-V2	8038	30	<u>+5 VDC</u>
A10-43	A9-43	901	30	<u>COMP BLNKB</u>
A10-44	A9-44	902	30	WINDOW B
A10-78	A9-78	907	30	SPARE
A10-79	A9-79	908	30	SPARE
A10-80	A10-G2	9038	30	GND

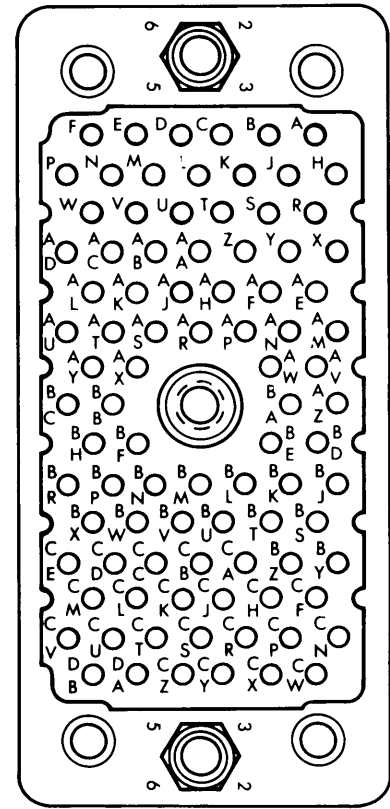
ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A10-81	A10-V1	8037	30	+5 VDC
A10-86	A4-86	9700	30	+15 VDC
A10-110	J10-BJ	1818	30	LEVEL RETURN
A10-111	J10-BS	1002	30	BACKGND LEVEL
A10-112	J10-BT	1003	30	WI NDOW #2 AMP LEVEL
A10-114	SHI ELD		COAX	WI NDOW VI DEO RTN
A10-115	J20		COAX	WI NDOW VI DEO
A10-120	A10-G3	9037	30	GND
A11-G1	A11-40	9042	30	SPARE
A11-G2	A11-80	9041	30	SPARE
A11-G3	A11-120	9040	30	SPARE
A11-V1	A11-81	8040	30	SPARE
A11-V2	A11-41	8041	30	SPARE
A11-V3	A11-1	8042	30	SPARE
A11-1	A11-V3	8042	30	SPARE
A11-40	A11-G1	9042	30	SPARE
A11-41	A11-V2	8041	30	SPARE
A11-80	A11-G2	9041	30	SPARE
A11-81	A11-V1	8040	30	SPARE
A11-120	A11-G3	9040	30	SPARE
A12-G1	A12-40	9045	30	SPARE
A12-G2	A12-80	9044	30	SPARE
A12-G3	A12-120	9043	30	SPARE
A12-V1	A12-81	8043	30	SPARE
A12-V2	A12-41	8044	30	SPARE
A12-V3	A12-1	8045	30	SPARE
A12-1	A12-V3	8045	30	SPARE
A12-40	A12-G1	9045	30	SPARE
A12-41	A12-V2	8044	30	SPARE
A12-80	A12-G2	9044	30	SPARE
A12-81	A12-V1	8043	30	SPARE
A12-120	A12-G3	9043	30	SPARE
A13-G1	A13-40	9048	30	SPARE
A13-G2	A13-80	9047	30	SPARE
A13-G3	A13-120	9046	30	SPARE
A13-V1	A13-81	8046	30	SPARE
A13-V2	A13-41	8047	30	SPARE
A13-V3	A13-1	8048	30	SPARE
A13-1	A13-V3	8048	30	SPARE
A13-40	A13-G1	9048	30	SPARE
A13-41	A13-V2	8047	30	SPARE

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
A13-80	A13-G2	9047	30	SPARE
A13-81	A13-V1	8046	30	SPARE
A13-120	A13-G3	9046	30	SPARE
E3-1	J2-BK	13	22	GND
E3-1	J2-BM	14	22	GND
E3-1	J2-CS	12	22	GND
E3-2	J2-BP	15	22	GND
E3-2	J2-BV	17	22	GND
E3-2	J2-BX	16	22	GND
E3-3	J2-BT	18	22	GND
E3-3	J2-BY	19	22	GND
E3-3	J2-CA	20	22	GND
E4-1	J2-CF	10	22	GND
E4-1	J2-CP	11	22	GND
E4-1	J2-CU	9	22	GND
E4-2	J2-CC	21	22	GND
E4-2	J2-CE	22	22	GND
E4-3	J2-CJ	24	22	GND
E4-3	J2-CL	23	22	GND
J1-A	A7-101	547	30	OUT 0
J1-A	J2-BJ	547	30	OUT 0
<b>J1-B</b>	A7-102	548	30	OUT 1
<b>J1-B</b>	J2-BL	548	30	OUT 1
<b>J1-C</b>	A7-103	549	30	OUT 2
<b>J1-C</b>	J2-BN	549	30	OUT 2
<b>J1-D</b>	A7-104	550	30	OUT 3
<b>J1-D</b>	J2-BR	550	30	OUT 3
<b>J1-E</b>	A7-105	551	30	OUT 4
<b>J1-E</b>	J2-BW	551	30	OUT 4
<b>J1-H</b>	A7-106	552	30	OUT 5
<b>J1-H</b>	J2-BU	552	30	OUT 5
<b>J1-J</b>	A7-107	553	30	OUT 6
<b>J1-J</b>	J2-BS	553	30	OUT 6
<b>J1-K</b>	A7-108	554	30	OUT 7
<b>J1-K</b>	J2-BZ	554	30	OUT 7
<b>J1-L</b>	A7-109	555	30	OUT 8
<b>J1-L</b>	J2-CB	555	30	OUT 8
<b>J1-M</b>	A7-110	556	30	OUT 9
<b>J1-M</b>	J2-CD	556	30	OUT 9
<b>J1-P</b>	A7-2	700	30	ADI N 0
<b>J1-R</b>	A7-111	557	30	OUT 10



J1 - J10

POLARIZING CODE		
REF DES	LARGE DIA GUIDE PIN	SMALL DIA GUIDE PIN
J1	1	1
J2	1	2
J3	1	3
J4	1	4
		(OPPOSITE 1)
J5	1	5
J6	2	1
J7	2	2
J8	2	3
J9	2	4
		(OPPOSITE 1)
J10	2	1

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-R	J2-CM	557	30	OUT 10
J1-S	A7-112	558	30	OUT 11
J1-S	J2-CK	558	30	OUT 11
J1-T	A7-113	559	30	OUT 12
J1-T	J2-CH	559	30	OUT 12
J1-U	A7-114	560	30	OUT 13
J1-U	J2-CN	560	30	OUT 13
J1-W	A7-3	701	30	ADI N 1
J1-X	A7-115	561	30	OUT 14
J1-X	J2-CR	561	30	OUT 14
J1-Y	A7-116	562	30	OUT 15
J1-Y	J2-CT	562	30	OUT 15
J1-AC	A7-4	702	30	ADI N 2
J1-AD	A7-5	703	30	ADI N 3
J1-AE	A7-90	752	30	SIG GND
J1-AE	J1-AP	752	30	<u>SIG GND</u>
J1-AF	A7-19	717	30	A/D FLG
J1-AK	A7-6	704	30	ADI N 4
J1-AL	A7-7	705	30	<u>ADI N 5</u>
J1-AN	A7-20	757	30	AD DVCMD
J1-AP	J1-A3	752	30	SIG GND
J1-AP	J1-CY	752	30	SIG GND
J1-AS	A7-8	706	30	ADI N 6
J1-AT	A7-9	707	30	ADI N 7
J1-AU	A7-10	708	30	ADI N 8
J1-AX	A7-11	709	30	ADI N 9
J1-AY	A7-12	710	30	ADI N 10
J1-BB	A7-13	711	30	ADI N 11
J1-BC	A7-14	712	30	ADI N 12
J1-BF	A7-15	713	30	ADI N 13
J1-BH	A7-16	714	30	ADI N 14
J1-BL	A7-61	736	30	MPI N 0
J1-BM	A7-62	737	30	MPI N 1
J1-BN	A7-63	738	30	MPI N 2
J1-BP	A7-17	715	30	ADI N 15
J1-BU	A7-64	739	30	MPI N 3
J1-BV	A7-65	740	30	MPI N 4
J1-BW	A7-66	741	30	MPI N 5
J1-CB	A7-67	742	30	MPI N 6



## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-CC	A7-68	743	30	MPI N 7
J1-CD	A7-69	744	30	MPI N 8
J1-CK	A7-70	745	30	MPI N 9
J1-CL	A7-71	746	30	MPI N 10
J1-CM	A7-72	747	30	MPI N 11
J1-CN	J1-CP	9200	30	SHI ELD
J1-CP	J1-CN	9200	30	SHI ELD
J1-CP	J1-CR	9200	30	SHI ELD
J1 -CR	J1-CP	9200	30	SHI ELD
J1-CR	J1-CS	9200	30	SHI ELD
J1-CS	J1-CR	9200	30	SHI ELD
J1-CS	J3-AF	9200	30	<u>SHI ELD</u>
J1-CX	A7-78	759	30	MP DVCMD
J1-CY	J1-AP	752	30	SIG GND
J1-CY	J1-DA	752	30	<u>SIG GND</u>
J1-CZ	A7-77	758	30	MP FLG
J1-DA	J1-CY	752	30	SIG GND
J1-DB	A7-76	751	30	<u>MPI N 15</u>
J2-A	A5-97	563	30	DVCMD HI
J2-B	A5-98	564	30	<u>DVCMD LO</u>
J2-E	A5-99	565	30	DVFLG HI
J2-F	A5-100	566	30	<u>DVFLG LO</u>
J2-H	A7-39	767	30	DIF IN 15
J2-J	A7-79	770	30	DIF IN 15
J2-K	A7-37	718	30	DIF IN 14
J2-L	A7-38	719	30	<u>DIF IN 14</u>
J2-M	A7-73	748	30	DIF IN 13
J2-N	A7-74	749	30	<u>DIF IN 13</u>
J2-P	A7-60	762	30	<u>DIF IN 12</u>
J2-R	A7-56	734	30	DIF IN 9
J2-S	A7-58	760	30	<u>DIF IN 10</u>
J2-T	A7-18	716	30	DIF IN 10
J2-U	A7-99	768	30	<u>DIF IN 11</u>
J2-V	A7-59	761	30	DIF IN 11
J2-W	A7-100	769	30	DIF IN 12
J2-X	A7-57	735	30	<u>DIF IN 9</u>
J2-Y	A7-54	732	30	DIF IN 8
J2-Z	A7-55	733	30	<u>DIF IN 8</u>
J2-AA	A7-52	730	30	DIF IN 7
J2-AB	A7-53	731	30	<u>DIF IN 7</u>
J2-AC	A7-50	728	30	DIF IN 6
J2-AD	A7-51	729	30	DIF IN 6

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J2-AE	A7-46	724	30	<u>DIF IN 3</u>
J2-AF	A7-45	723	30	<u>DIF IN 3</u>
J2-AH	A7-48	726	30	<u>DIF IN 4</u>
J2-AJ	A7-47	725	30	<u>DIF IN 4</u>
J2-AK	A7-89	766	30	<u>DIF IN 5</u>
J2-AL	A7-49	727	30	<u>DIF IN 5</u>
J2-AM	A7-44	722	30	<u>DIF IN 2</u>
J2-AN	A7-84	765	30	<u>DIF IN 2</u>
J2-AP	A7-43	721	30	<u>DIF IN 1</u>
J2-AR	A7-83	764	30	<u>DIF IN 1</u>
J2-AS	A7-42	720	30	<u>DIF IN 0</u>
J2-AT	A7-82	763	30	<u>DIF IN 0</u>
J2-AZ	A5-84	756	30	<u>CNT 3</u>
J2-BA	A5-82	168	30	<u>CNT 3</u>
J2-BB	A7-95	755	30	<u>CNT 2</u>
J2-BC	A7-119	781	30	<u>CNT 2</u>
J2-BD	A7-75	771	30	<u>CNT 0</u>
J2-BE	A7-93	753	30	<u>CNT 0</u>
J2-BF	A7-117	772	30	<u>CNT 1</u>
J2-BH	A7-94	754	30	<u>CNT 1</u>
J2-BJ	J1-A	547	30	<u>OUT 0</u>
J2-BK	E3-1	13	22	<u>GND</u>
J2-BL	J1-B	548	30	<u>OUT 1</u>
J2-BM	E3-1	14	22	<u>GND</u>
J2-BN	J1-C	549	30	<u>OUT 2</u>
J2-BP	E3-2	15	22	<u>GND</u>
J2-BR	J1-D	550	30	<u>OUT 3</u>
J2-BS	J1-J	553	30	<u>OUT 6</u>
J2-BT	E3-3	18	22	<u>GND</u>
J2-BU	J1-H	552	30	<u>OUT 5</u>
J2-BV	E3-2	17	22	<u>GND</u>
J2-BW	J1-E	551	30	<u>OUT 4</u>
J2-BX	E3-2	16	22	<u>GND</u>
J2-BY	E3-3	19	22	<u>GND</u>
J2-BZ	J1-K	554	30	<u>OUT 7</u>
J2-CA	E3-3	20	22	<u>GND</u>
J2-CB	J1-L	555	30	<u>OUT 8</u>
J2-CC	E4-2	21	22	<u>GND</u>
J2-CD	J1-M	556	30	<u>OUT 9</u>
J2-CE	E4-2	22	22	<u>GND</u>
J2-CF	E4-1	10	22	<u>GND</u>
J2-CH	J1-T	559	30	<u>OUT 12</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J2-CJ	E4-3	24	22	GND
J2-CK	J1-S	558	30	OUT 11
J2-CL	E4-3	23	22	GND
J2-CM	J1-R	557	30	OUT 10
J2-CN	J1-U	560	30	OUT 13
J2-CP	E4-1	11	22	GND
J2-CR	J1-X	561	30	OUT 14
J2-CS	E3-1	12	22	GND
J2-CT	J1-Y	562	30	OUT 15
J2-CU	E4-1	9	22	GND
J3-A	J9-CH	1300	30	A/D SELF-TEST (340 OCT)
J3-B	J3-BW	9000	30	LASER TEST RTN
J3-B	J6-CC	9000	30	API C GND
J3-C	J9-CJ	1301	30	A/D SELF-TEST (341 OCT)
J3-D	J3-F	9000	30	A/D SELF-TEST
J3-D	J6-BX	9000	30	API C GND
J3-E	J9-BM	1302	30	A/D SELF-TEST (300 OCT)
J3-F	J3-D	9000	30	A/D SELF-TEST
J3-F	J3-J	9000	30	A/D SELF-TEST
J3-H	J9-BN	1303	30	A/D SELF-TEST (301 OCT)
J3-J	J3-F	9000	30	A/D SELF-TEST
J3-J	J3-Y	9000	30	API C GND
J3-K	J9-BK	1309	30	A/D SELF-TEST (166 OCT)
J3-L	J9-BL	1310	30	A/D SELF-TEST (166 OCT) RTN
J3-M	J9-X	1311	30	SPARE
J3-N	J9-Y	1312	30	SPARE
J3-R	A9-32	-	22	PPG OUT 5
J3-T	A9-28	-	22	MUX SI G 4
J3-V	A9-29	-	22	MUX SI G 5
J3-Y	J3-AA	9000	30	API C GND
J3-Y	J3-J	9000	30	API C GND
J3-AA	J3-AV	9000	30	API C GND
J3-AA	J3-Y	9000	30	API C GND
J3-AB	A9-30	-	22	MUX SI G 6
J3-AD	A9-31	-	22	MUX SI G 7
J3-AF	J1-CS	9200	30	SHI ELD
J3-AF	J3-AH	9200	30	SHI ELD
J3-AH	J3-AF	9200	30	SHI ELD
J3-AH	J3-AJ	9200	30	SHI ELD
J3-AJ	J3-AH	9200	30	SHI ELD
J3-AJ	J3-AK	9200	30	SHI ELD

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J3-AK	J3-AJ	9200	30	SHI ELD
J3-AK	J3-AL	9200	30	SHI ELD
J3-AL	J3-AK	9200	30	SHI ELD
J3-AL	J3-AM	9200	30	SHI ELD
J3-AM	J3-AL	9200	30	SHI ELD
J3-AM	J3-AN	9200	30	SHI ELD
J3-AN	J3-AM	9200	30	SHI ELD
J3-AN	J6-CE	9200	30	SHI ELD
J3-AU	A4-73	454	30	400 HZ PEAK DET I N A (28 VAC)
J3-AV	J3-AA	9000	30	APIC GND
J3-AV	J3-AX	9000	30	APIC GND
J3-AW	A4-113	452	30	400 HZ PEAK DET A OUT
J3-AX	J3-AV	9000	30	APIC GND
J3-AX	J3-BM	9000	30	<u>APIC GND</u>
J3-BL	A8-43	828	30	CAMERA SYNC
J3-BM	J3-AX	9000	30	APIC GND
J3-BM	J3-BP	9000	30	CAMERA SYNC RTN
J3-BN	A8-44	829	30	CAMERA SYNC
J3-BP	J3-BM	9000	30	CAMERA SYNC RTN
J3-BP	J3-BS	9000	30	CAMERA SYNC RTN
J3-BR	J8-BR	1304	30	CAMERA VI DEO
J3-BS	J3-BP	9000	30	CAMERA SYNC RTN
J3-BS	J3-BW	9000	30	LASER TEST RTN
J3-BW	J3-B	9000	30	LASER TEST RTN
J3-BW	J3-BS	9000	30	LASER TEST RTN
J3-BX	A8-60	833	30	LASER TEST
J3-BY	A9-24		22	MUX SIG 0
J3-CA	A9-25		22	MUX SIG 1
J3-CC	A9-26		22	MUX SIG 2
J3-CE	A9-27		22	MUX SIG 3
J3-CH	J8-CR	1305	30	OSG LAMP
J3-CK	J8-CS	1306	30	OUTSIDE TEST LAMP
J3-CM	J8-CU	1307	30	DC T LAMP
J3-CP	J8-CV	1308	30	DC FLASH
J4-A	A3-10	302	30	<u>NST1 GH2</u>
J4-B	A3-11	303	30	<u>NST1 D1</u>
J4-C	A3-15	307	30	<u>NST1 DT0</u>
J4-D	A3-28	320	30	<u>NST2 DT0</u>
J4-H	A3-9	301	30	<u>NST1 GH1</u>
J4-J	A3-12	304	30	<u>NST1 D2</u>
J4-K	A3-16	308	30	<u>NST1 DT1</u>

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J4-L	A3-27	319	30	<u>NST2 D4</u>
J4-R	A3-13	305	30	NST1 D3
J4-S	A3-17	309	30	<u>NST EN1</u>
J4-T	A3-26	318	30	<u>NST2 D3</u>
J4-X	A3-14	306	30	NST1 04
J4-Y	A3-18	310	30	<u>NST EN2</u>
J4-Z	A3-25	317	30	NST2 02
J4-AD	A4-66	424	30	SFG
J4-AD	J9-T	424	30	<u>SFG</u>
J4-AF	A3-24	316	30	NST2 D1
J4-AL	A4-106	447	30	<u>SFI</u>
J4-AN	A3-23	315	30	NST2 GH2
J4-AR	J6-BW	9700	30	+15V
J4-AS	J6-CD	9800	30	-15V
J4-AT	A4-54	413	30	SF2
J4-AU	A4-67	425	30	SGG
J4-AU	J9-V	425	30	<u>SGG</u>
J4-AV	A3-22	314	30	NST2 GH1
J4-AX	A4-56	415	30	SH2
J4-AY	A4-107	448	30	SGI
J4-BA	J10-CK	1313	30	SPARE
J4-BB	A4-55	414	30	SG2
J4-BC	A4-68	426	30	SHG
J4-BC	J9-AR	426	30	SHG
J4-BD	J10-CJ	1314	30	SPARE
J4-BF	A4-57	416	30	S12
J4-BH	A4-108	449	30	<u>SHI</u>
J4-BJ	A3-29	321	30	NST2 DT1
J4-BK	J5-AK	1401	30	OSG LENS IN
J4-BL	J5-AL	1402	30	OSG LENS OUT
J4-BM	J5-AM	1403	30	OSG TV FILTER IN
J4-BN	J5-AN	1404	30	OSG EO-MUX FILTER IN
J4-BP	A4-109	450	30	SII
J4-BR	A4-69	427	30	SIG
J4-BR	J9-AT	427	30	SIG
J4-BS	J5-AP	1405	30	MIRROR IN
J4-BT	J5-AR	1406	30	MIRROR OUT
J4-BU	J5-BD	1407	30	I R SHUTTER OPEN
J4-BV	A4-110	451	30	SJ1
J4-BW	A4-58	417	30	SJ2
J4-BX	J5-BE	1408	30	I R SHUTTER CLOSED

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J4-CB	J5-BT	1417	30	INTERLOCK #1 NIGHT
J4-CC	J5-BU	1418	30	INTERLOCK #2 NIGHT
J4-CD	A4-70	428	30	SJG
J4-CD	J9-L	428	30	SJG
J4-CF	J9-CB	1413	30	IR BORESIGHT 1
J4-CH	J9-CC	1414	30	IR BORESIGHT 2
J4-CJ	J9-CD	1415	30	IR BORESIGHT 3
J4-CK	J9-CE	1416	30	IR BORESIGHT 4
J4-CS	J9-BP	1409	30	IR SOURCE #1/DBA TE DRA
J4-CT	J9-BR	1410	30	IR SOURCE #2/DBA TE DRB
J4-CU	J9-BS	1411	30	IR SOURCE #3/DBA TE DRC
J4-CV	J9-CA	1412	30	<u>OSG LIGHT</u> DETECTOR
J5-A	A8-24	814	30	ID0-1
J5-B	A8-25	815	30	ID1-1
J5-C	A8-26	816	30	ID2-1
J5-D	A8-27	817	30	ID3-1
J5-E	A8-28	818	30	ID4-1
J5-F	A8-29	819	30	ID5-1
J5-H	A8-30	820	30	ID6-1
J5-J	A8-31	821	30	ID7-1
J5-K	A8-32	822	30	ID8-1
J5-L	A8-33	823	30	ID9-1
J5-M	A8-34	824	30	ID10-1
J5-N	A8-35	825	30	ID11-1 (SELF-TEST)
J5-N	J9-CP	825	30	ID11-1 (SELF-TEST)
J5-R	A2-24	215	30	ID0-2
J5-S	A2-25	216	30	ID1-2
J5-T	A2-26	217	30	ID2-2
J5-U	A2-27	218	30	ID3-2
J5-V	A2-28	219	30	ID4-2
J5-W	A2-29	220	30	ID5-2
J5-X	A2-30	221	30	ID6-2
J5-Y	A2-31	222	30	ID7-2
J5-Z	A2-32	223	30	ID8-2
J5-AA	A2-33	224	30	ID9-2
J5-AB	A2-34	225	30	<u>ID10-2</u>
J5-AC	A2-35	226	30	<u>ID11-2</u> (SELF-TEST)
J5-AC	J9-CR	226	30	ID11-2 (SELF-TEST)
J5-AE	J7-AS	1500	30	DC SHUTTER OPEN
J5-AF	J7-AT	1501	30	DC SHUTTER CLOSED
J5-AH	J7-AU	1502	30	LASER ENCLOSED

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J5-AK	J4-BK	1401	30	OSG LENS IN
J5-AL	J4-BL	1402	30	OSG LENS OUT
J5-AM	J4-BM	1403	30	OSG TV FILTER IN
J5-AN	J4-BN	1404	30	OSG EO-MUX FILTER IN
J5-AP	J4-BS	1405	30	MIRROR IN
J5-AR	J4-BT	1406	30	MIRROR OUT
J5-AS	J7-AK	1523	30	FILTER INTERLOCK
J5-AT	J9-CY	811	30	OD11-1 (SELF-TEST)
J5-AW	J7-AX	1504	30	OA SHUTTER OPEN
J5-AX	J7-AY	1505	30	OA SHUTTER CLOSED
J5-AY	J7-BB	1506	30	OA FILTER POS I (OUT)
J5-AZ	J7-BF	1507	30	OA FILTER POS II (IN)
J5-BA	J7-BL	1508	30	SPARE
J5-BB	J7-BM	1509	30	SPARE
J5-BC	J7-BN	1510	30	DOOR INTERLOCK (OA)
J5-BD	J4-BU	1407	30	IR SHUTTER OPEN
J5-BE	J4-BX	1408	30	IR SHUTTER CLOSED
J5-BJ	J9-CZ	212	30	<u>OD11-2</u>
J5-BM	A8-36	826	30	I GATE-1
J5-BN	A8-37	827	30	I FLAG-1
J5-BR	A2-36	227	30	I GATE-2
J5-BS	A2-37	228	30	I FLAG-2
J5-BT	J4-CB	1417	30	INTERLOCK #1 NIGHT
J5-BU	J4-CC	1418	30	INTERLOCK #2 NIGHT
J5-CE	J10-AT	1	00	30SELF-TEST
J5-CH	J7-E	1512	30	CARRI AGE SENSOR #1
J5-CJ	J7-F	1513	30	CARRI AGE SENSOR #2
J5-CK	J7-H	1514	30	ATTEN SENSOR #1
J5-CL	J7-P	1515	30	ATTEN SENSOR #2
J5-CM	J7-W	1516	30	SHI ELD SENSOR #1
J5-CN	J7-X	1517	30	SHI ELD SENSOR #2
J5-CP	J7-Y	1518	30	ARM #1
J5-CR	J7-Z	1519	30	ARM #2
J5-CS	J7-AC	1520	30	SPARE
J5-CT	J7-AD	1521	30	INTERLOCK #1 DAY
J5-CU	J7-AJ	1522	30	INTERLOCK #2 DAY
J5-CV	J10-BH	1901	30	SELF-TEST
J6-A	J6-BY	9001	30	BORESIGHT LED GND/INTERNAL GND
J6-A	J8-BV	9001	30	INTERNAL GND
J6-B	J10-CF	126	30	<u>IR BORESIGHT LED</u>
J6-D	J8-CT	1600	30	<u>DC SHUTTER OPEN</u>
J6-E	A1-67	146	30	NTCC

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J6-F	A1-72	151	30	<u>NTCC</u>
J6-K	A1-101	169	30	<u>OSAF PHASE 1</u>
J6-L	J10-AY	1601	30	<u>OA TEST SOURCE</u>
J6-M	A1-9	101	30	<u>NST PHASE 1</u>
J6-N	J8-CW	1602	30	<u>OA PMT HV</u>
J6-P	A1-13	105	30	<u>DST PHASE 1</u>
J6-R	J8-CX	1603	30	<u>OA FILTER 1</u>
J6-S	A1-102	170	30	<u>OSAF PHASE 2</u>
J6-U	A1-10	102	30	<u>NST PHASE 2</u>
J6-V	A1-70	149	30	<u>NST 2 DT</u>
J6-W	A1-14	106	30	<u>DST PHASE 2</u>
J6-X	J8-CY	1604	30	<u>OA SHUTTER</u>
J6-Y	A1-103	171	30	<u>OSAF PHASE 3</u>
J6-AA	A1-11	103	30	<u>NST PHASE 3</u>
J6-AB	A1-69	148	30	<u>NST 1 DT</u>
J6-AC	A1-15	107	30	<u>DST PHASE 3</u>
J6-AD	A1-76	155	30	<u>DSFC PHASE 4</u>
J6-AE	A1-104	172	30	<u>OSAF PHASE 4</u>
J6-AH	A1-12	104	30	<u>NST PHASE 4</u>
J6-AK	A1-16	108	30	<u>DST PHASE 4</u>
J6-AL	A1-75	154	30	<u>DSFC PHASE 3</u>
J6-AS	A1-21	111	30	<u>DSMA PHASE 1</u>
J6-AT	A1-74	153	30	<u>DSFC PHASE 2</u>
J6-AX	A1-73	152	30	<u>DSFC PHASE 1</u>
J6-AV	A9-47		22	<u>DIG TRIG</u>
J6-BL	A1-22	112	30	<u>DSMA PHASE 2</u>
J6-BM	A1-36	123	30	<u>DSFA PHASE 4</u>
J6-BN	J8-CP	1605	30	<u>IR SHUTTER OPEN</u>
J6-BP	J8-CZ	1606	30	<u>OSG LENS</u>
J6-BR	J8-DA	1607	30	<u>OSG FILTER</u>
J6-BS	J8-DB	1608	30	<u>OSG MIRROR</u>
J6-BT	A1-23	113	30	<u>DSMA PHASE 3</u>
J6-BV	A1-35	122	30	<u>DSFA PHASE 3</u>
J6-BW	J4-AR	9700	30	+15V
J6-BW	J8-N	9700	30	+15V
J6-BX	J3-D	9000	30	APIC GND
J6-BY	J6-A	9001	30	<u>BORESIGHT LED</u> GND/INTERNAL GND
J6-BZ	A1-24	114	30	<u>DSMA PHASE 4</u>
J6-CA	A1-34	121	30	<u>DSFA PHASE 2</u>
J6-CB	J6-CK	9300	30	+28 VDC
J6-CB	J8-M	9300	30	+28 VDC



## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J6-CC	J3-B	9000	30	API C GND
J6-CD	J4-AS	9800	30	-15 VDC
J6-CD	J8-P	9800	30	-15 VDC
J6-CE	J3-AN	9200	30	<u>SHI ELD</u>
J6-CF	A1-25	115	30	<u>DSMB PHASE 1</u>
J6-CH	A1-33	120	30	DSFA PHASE 1
J6-CK	J6-CB	9300	30	+28 VDC
J6-CL	J8-BB	9001	30	<u>I NTERNAL GND</u>
J6-CN	A1-26	116	30	<u>DSMB PHASE 2</u>
J6-CP	A1-28	118	30	DSMB PHASE 4
J6-CS	NOTE 1	4	22	GND
J6-CT	NOTE 2	3	22	GND
J6-CU	ST-3	8	22	GND
J6-CV	ST-4	7	22	<u>GND</u>
J6-CW	A1-27	117	30	<u>DSMB PHASE 3</u>
J6-CX	A1-71	150	30	DST 1 DT
J6-CY	ST-1	6	22	+5 VDC
J6-CZ	ST-2	5	22	+5 VDC
J6-DA	NOTE 3	2	22	+5 VDC
J6-DB	NOTE 4	1	22	+5 VDC
J7-A	A3-42	328	30	<u>DSMA D1</u>
J7-B	A3-43	329	30	DSMA D2
J7-C	A3-44	330	30	DSMA EN1
J7-D	A3-45	331	30	DSMA EN2
J7-E	J5-CH	1512	30	CARRI AGE SENSOR #1
J7-F	J5-CJ	1513	30	CARRI AGE SENSOR #2
J7-H	J5-CK	1514	30	<u>ATTEN SENSOR #1</u>
J7-J	A3-49	333	30	<u>DST1 GH1</u>
J7-K	A3-50	334	30	<u>DST1 GH2</u>
J7-L	A3-51	335	30	<u>DST1 D1</u>
J7-M	A3-52	336	30	<u>DST1 D2</u>
J7-N	A3-53	337	30	DST1 D3
J7-P	J5-CL	1515	30	<u>ATTEN SENSOR #2</u>
J7-R	A3-54	338	30	<u>DST1 D4</u>
J7-S	A3-55	339	30	<u>DST1 DT0</u>
J7-T	A3-56	340	30	<u>DST1 DT1</u>
J7-U	A3-57	341	30	DST1 EN1
J7-V	A3-58	342	30	DST1 EN2
J7-W	J5-CM	1516	30	SHI ELD SENSOR #1
J7-X	J5-CN	1517	30	SHI ELD SENSOR #2
J7-Y	J5-CP	1518	30	ARM #1

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SIGNAL/FUNCTI ON
J7-Z	J5-CR	1519	30	ARM # 2
J7-AA	A3-62	344	30	DSMB D1
J7-AB	A3-63	345	30	DSMB D2
J7-AC	J5-CS	1520	30	SPARE
J7-AD	J5-CT	1521	30	INTERLOCK #1 DAY
J7-AE	A3-64	346	30	DSMB D3
J7-AF	A3-65	347	30	DSMB EN1
J7-AH	A3-66	348	30	DSMB EN2
J7-AJ	J5-CU	522	30	INTERLOCK #2 DAY
J7-AK	J5-AS	1523	30	FILTER INTERLOCK
J7-AP	A3-72	350	30	DSFA D1
J7-AR	A3-74	351	30	DSFA EN1
J7-AS	J5-AE	1500	30	DC SHUTTER OPEN
J7-AT	J5-AF	1501	30	DC SHUTTER CLOSED
J7-AU	J5-AH	1502	30	LASER ENCLOSED
J7-AV	A3-75	352	30	DSFA EN2
J7-AW	A3-76	353	30	DSFA TOW
J7-AX	J5-AW	1504	30	OA SHUTTER OPEN
J7-AY	J5-AX	1505	30	OA SHUTTER CLOSED
J7-BB	J5-AY	1506	30	OA FILTER POS I (OUT)
J7-BC	A4-61	419	30	SAG
J7-BC	J9-B	419	30	SAG
J7-BE	J9-AV	313	30	HV/300
J7-BF	J5-AZ	1507	30	OA FILTER POS II (IN)
J7-BH	A4-101	442	30	SAI
J7-BJ	A3-112	354	30	DSFC L1
J7-BK	A3-113	355	30	DSFC EN1
J7-BL	J5-BA	1508	30	SPARE
J7-BM	J5-BB	1509	30	SPARE
J7-BN	J5-BC	1510	30	DOOR INTERLOCK (OA)
J7-BP	A4-49	408	30	SA2
J7-BR	J9-F	420	30	SBG
J7-BS	A3-114	356	30	DSFC EN2
J7-BU	J9-BW	1700	30	DC LASER SIM LSPWR
J7-BV	J9-BV	1701	30	DC LASER SIM AMP
J7-BW	J9-BT	1702	30	DC LASER SIM TP
J7-BX	A4-102	443	30	SBI

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J7-BY	J10-AE	1703	30	DC LASER SIM LCW
J7-BZ	J10-AF	1704	30	<u>DC LASER SIM RESET</u>
J7-CA	J10-AH	1705	30	DC LASER SIM ENABLE
J7-CB	A8-77	865	30	LASER CK OUT
J7-CC	J10-BR	1706	30	LASER SIMULATOR POWER LEVEL
J7-CD	A4-50	409	30	SB2
J7-CE	A4-63	421	30	SCG/DCMA TEMP RTN
J7-CF	J10-AN	1707	30	PMT ELECT FILTER I
J7-CH	J10-AP	1708	30	PMT ELECT FILTER II
J7-CJ	J10-AR	1709	30	PMT ELECT FILTER III
J7-CK	J10-AS	1710	30	PMT ELECT FILTER IV
J7-CL	A4-51	429	30	SC2
J7-CM	A4-103	444	30	SC1
J7-CN	J10-AK	780	30	<u>PMT ELECT FILTER V</u>
J7-CR	A3-32	323	30	<u>OSAF D1</u>
J7-CS	A3-33	324	30	OSAF D2
J7-CT	A4-52	411	30	SD2
J7-CU	A4-104	445	30	SD1
J7-CV	A4-64	422	30	SDG
J7-CV	J9-N	422	30	SDG
J7-CX	A3-34	325	30	OSAF EN1
J7-CY	A3-35	326	30	OSAF EN2
J7-CZ	A4-53	412	30	SE2
J7-DA	A4-105	446	30	SE1
J7-DB	A4-65	423	30	SEG
J7-DB	J9-J	423	30	SEG
J8-A	A5-44	517	30	VIDEO 1-B
J8-B	A5-45	518	30	VIDEO 2-B
J8-C	A5-46	519	30	VIDEO 3-B
J8-D	A5-61	530	30	VIDEO 1-A
J8-E	A5-62	531	30	VIDEO 2-A
J8-F	A5-63	532	30	VIDEO 3-A
J8-H	J10-CH	1816	30	IR SHUTTER HOLD
J8-J	J10-AJ	1800	30	IR SHUTTER OPEN
J8-K	J10-AL	1801	30	OSG LAMP
J8-L	J10-AM	1802	30	OUTSIDE TEST LAMP

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J8-M	A4-84	9300	30	+28 VDC
J8-M	J6-CB	9300	30	+28 VDC
J8-N	A8-86	9700	30	+15 VDC
J8-N	J6-BW	9700	30	+15 VDC
J8-P	A8-7	9800	30	-15 VDC
J8-P	J6-CD	9800	30	-15 VDC
J8-R	A5-47	520	30	VI DEO 4-B
J8-S	A5-48	521	30	VI DEO 5-B
J8-T	A5-49	522	30	VI DEO 6-B
J8-U	A5-64	533	30	VI DEO 4-A
J8-V	A5-65	534	30	VI DEO 5-A
J8-W	A5-66	535	30	<u>VI DEO</u> 6-B
J8-X	A5-7	569	30	SEQ B
J8-Y	J10-AV	1803	30	DC SHUTTER OPEN
J8-Z	J10-AW	1804	30	DC T LAMP
J8-AA	J10-AX	1805	30	DC FLASH LAMP
J8-AB	J10-AZ	1806	30	OA PMT HV
J8-AC	J10-BA	1807	30	<u>OA</u> FILTER
J8-AD	A5-8	570	30	SEQ A
J8-AE	A5-50	523	30	VI DEO 7-B
J8-AF	A5-51	524	30	<u>VI DEO</u> 8-B
J8-AH	A5-53	525	30	ERC-B
J8-AJ	A5-67	536	30	VI DEO 7-A
J8-AK	A5-68	537	30	VI DEO 8-A
J8-AL	A5-70	538	30	ERC-A
J8-AN	J10-BC	1808	30	OA SHUTTER
J8-AP	J10-BD	1809	30	OSG LENS/DI FFUSER
J8-AR	J10-BE	1810	30	OSG FI LTER
J8-AS	J10-BF	1811	30	OSG MI RROR
J8-AT	A5-41	8001	30	+5 VDC
J8-AT	A5-81	8001	30	+5 VDC
J8-AV	A5-54	526	30	VSYNC-B
J8-AW	A5-55	527	30	HSYNC-B
J8-AX	A5-71	539	30	VSYNC-A
J8-AY	A5-72	540	30	HSYNC-A
J8-AZ	A4-34	410	30	MI NCO PROBE MPC

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J8-BA	A4-35	407	30	MINCO PROBE MPD
J8-BB	J6-CL	9001	30	INTERNAL GND
J8-BB	J8-BW	9001	30	INTERNAL GND
J8-BC	J8-BS	9001	30	INTERNAL GND
J8-BC	J8-BW	9001	30	INTERNAL GND
J8-BD	A5-57	528	30	<u>VIDEO EN-B</u>
J8-BE	A5-58	529	30	<u>CLOCK EN-B</u>
J8-BF	A5-74	541	30	<u>VIDEO EN-A</u>
J8-BH	A5-75	542	30	CLOCK EN-A
J8-BJ	A4-32	402	30	MINCO PROBE MPA
J8-BK	A4-33	406	30	MINCO PROBE MPB
J8-BL	A9-75	887	30	<u>BCK</u>
J8-BM	A9-50	903	30	WINDOW
J8-BN	A8-52	832	30	CAMERA VIDEO
J8-BP	A9-55	905	30	B VID SYNC
J8-BR	J3-BR	1304	30	CAMERA VIDEO
J8-BS	J8-BC	9001	30	INTERNAL GND
J8-BS	J8-BU	9001	30	INTERNAL GND
J8-BT	A8-81	8000	30	+5 VDC
J8-BU	J8-BS	9001	30	INTERNAL GND
J8-BU	J8-BV	9001	30	INTERNAL GND
J8-BV	J6-A	9001	30	INTERNAL GND
J8-BV	J8-BU	9001	30	INTERNAL GND
J8-BW	J8-BB	9001	30	INTERNAL GND
J8-BW	J8-BC	9001	30	INTERNAL GND
J8-BX	J10-BL	1812	30	WINDOW #1 LEVEL
J8-BY	J10-BK	1813	30	SYNC LEVEL
J8-BZ	J10-BM	1814	30	SINE WAVE LEVEL
J8-CA	J10-BN	1815	30	CAMERA VIDEO LEVEL
J8-CB	J10-BJ	1818	30	LEVEL RETURN
J8-CC	A4-35	407	30	MINCO PROBE MPD
J8-CD	A9-53	904	30	BH BLANK
J8-CE	A8-62	840	30	R0
J8-CF	A8-63	841	30	R1
J8-CH	A8-64	842	30	R2
J8-CJ	A8-65	843	30	R3

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J8-CK	A8-66	844	30	R4
J8-CL	A8-67	845	30	R5
J8-CM	A8-68	846	30	R6
J8-CN	A8-69	847	30	R7
J8-CP	J6-BN	1605	30	I R SHUTTER OPEN
J8-CR	J3-CH	1305	30	OSG LAMP
J8-CS	J3-CK	1306	30	OUTSIDE TEST LAMP
J8-CT	J6-D	1600	30	DC SHUTTER OPEN
J8-CU	J3-CM	1307	30	DC T LAMP
J8-CV	J3-CP	1308	30	DC FLASH
J8-CW	J6-N	1602	30	OA PMT HV
J8-CX	J6-R	1603	30	OA FILTER I
J8-CY	J6-X	1604	30	OA SHUTTER
J8-CZ	J6-BP	1606	30	OSG LENS
J8-DA	J6-BR	1607	30	OSG FI LTER
J8-DB	J6-BS	1608	30	OSG MI RROR
J9-A	A4-89	431	30	SAO
J9-B	J7-BC	419	30	SAG
J9-E	A4-90	432	30	SBO/OSA PMT TEMP
J9-F	A4-62	420	30	SBG
J9-F	J7-BR	420	30	SBG
J9-H	A4-93	435	30	SCO/DC MI RROR B TEMP
J9-J	J7-DB	423	30	SEG
J9-K	A4-98	440	30	SJO
J9-L	J4-CD	428	30	SJG
J9-M	A4-92	434	30	SDO/DC MI RROR A TEMP
J9-N	J7-CV	422	30	SDG
J9-S	A4-94	436	30	SFO
J9-T	J4-AD	424	30	SFG
J9-U	A4-95	437	30	SGO/FI R SOURCE #1 TEMP
J9-V	J4-AU	425	30	SGG
J9-X	J3-M	1311	30	SPARE
J9-Y	J3-N	1312	30	SPARE
J9-AC	J10-AT	1900	30	SELF-TEST
J9-AD	J10-BH	1901	30	SELF-TEST
J9-AE	J10-CU	1902	30	SELF-TEST

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

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## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J9-AF	J10-BK	1813	30	SYNC LEVEL
J9-AH	J10-BL	1812	30	WINDOW #1 LEVEL
J9-AJ	A4-96	438	30	SHO/FIR SOURCE #2 TEMP
J9-AK	J10-BM	1814	30	SINE WAVE LEVEL
J9-AL	J10-BN	1815	30	CAMERA VIDEO LEVEL
J9-AM	J10-BR	1706	30	LASER SIMULATOR POWER LEVEL
J9-AR	J4-BC	426	30	SHG
J9-AS	A4-97	439	30	SIO/FIR SOURCE #3 TEMP
J9-AT	J4-BR	427	30	SIG
J9-AU	A4-25	455	30	CHECK PT (A/D OCT 162)
J9-AV	J7-BE	313	30	HV/300
J9-AY	A4-26	456	30	CHECK PT GND
J9-BB	A1-105	173	30	ST PHASE 1
J9-BC	A1-106	174	30	ST PHASE 2
J9-BD	A4-37	458	30	MINCO PROBE OUT
J9-BE	A1-107	175	30	ST PHASE 3
J9-BF	A1-108	176	30	ST PHASE 4
J9-BJ	A4-38	459	30	MINCO PROBE OUT RTN
J9-BK	J3-K	1309	30	A/D SELF-TEST (166 OCT)
J9-BL	J3-L	1310	30	A/D SELF-TEST (166 OCT) RTN
J9-BM	J3-E	1302	30	A/D SELF-TEST (300 OCT)
J9-BN	J3-H	1303	30	A/D SELF-TEST (301 OCT)
J9-BP	J4-CS	1409	30	IR SOURCE #1/DBA TE DR A
J9-BR	J4-CT	1410	30	IR SOURCE #2/DBA TE DR B
J9-BS	J4-CU	1411	30	IR SOURCE #3/DBA TE DR C
J9-BT	J7-BW	1702	30	DC LASER SIM TP
J9-BV	J7-BV	1701	30	DC LASER SIM AMP
J9-BW	J7-BU	1700	30	DC LASER SIM LSPWR
J9-BX	A1-88	158	30	ST NST 1 DT
J9-BY	A1-89	159	30	ST NST 2 DT
J9-BZ	A1-90	160	30	ST DST 1 DT
J9-CA	J4-CV	1412	30	OSG LIGHT DETECTOR
J9-CB	J4-CF	1413	30	IR BORESIGHT 1
J9-CC	J4-CH	1414	30	IR BORESIGHT 2
J9-CD	J4-CJ	1415	30	IR BORESIGHT 3
J9-CE	J4-CK	1416	30	IR BORESIGHT 4

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J9-CH	J3-A	1300	30	A/D SELF-TEST (340 OCT)
J9-CJ	J3-C	1301	30	A/D SELF-TEST (341 OCT)
J9-CK	A4-17	405	30	+28 VDC FPS TEST POINT
J9-CL	A4-13	403	30	+15 VDC FPS TEST POINT
J9-CM	A4-15	404	30	-15 VDC FPS TEST POINT
J9-CN	A4-9	401	30	+5 VDC FPS TEST POINT
J9-CP	J5-N	825	30	<u>ID11-1</u> (SELF-TEST)
J9-CR	J5-AC	226	30	<u>ID11-2</u> (SELF-TEST)
J9-CY	J5-AT	811	30	<u>OD11-1</u> (SELF-TEST)
J9-CY	J10-N	811	30	<u>OD11-1</u> (SELF-TEST)
J9-CZ	J5-BJ	212	30	<u>OD11-2</u>
J9-CZ	J10-AC	212	30	<u>OD11-2</u>
J9-DB	A4-59	418	30	<u>A/D_GND</u>
J10-A	A8-9	800	30	<u>OD0_1</u>
J10-B	A8-10	801	30	<u>OD1_1</u>
J10-C	A8-11	802	30	<u>OD2_1</u>
J10-D	A8-12	803	30	<u>OD3_1</u>
J10-E	A8-13	804	30	<u>OD4_1</u>
J10-F	A8-14	805	30	<u>OD5_1</u>
J10-H	A8-15	806	30	<u>OD6_1</u>
J10-J	A8-16	807	30	<u>OD7_1</u>
J10-K	A8-17	808	30	<u>OD8_1</u>
J10-L	A8-18	809	30	<u>OD9_1</u>
J10-M	A8-19	810	30	<u>OD10_1</u>
J10-N	A8-20	811	30	<u>OD11-1</u> (SELF-TEST)
J10-N	J9-CY	811	30	<u>OD11-1</u> (SELF-TEST)
J10-R	A2-9	201	30	<u>OD0_2</u>
J10-S	A2-10	202	30	<u>OD1_2</u>
J10-T	A2-11	203	30	<u>OD2_2</u>
J10-U	A2-12	204	30	<u>OD3_2</u>
J10-V	A2-13	205	30	<u>OD4_2</u>
J10-W	A2-14	206	30	<u>OD5_2</u>
J10-X	A2-15	207	30	<u>OD6_2</u>
J10-Y	A2-16	208	30	<u>OD7_2</u>
J10-Z	A2-17	209	30	<u>OD8_2</u>
J10-AA	A2-18	210	30	<u>OD9_2</u>
J10-AB	A2-19	211	30	<u>OD10_2</u>
J10-AC	A2-20	212	30	<u>OD11_2</u>



## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J10-AC	J9-CZ	212	30	OD11 2
J10-AE	J7-BY	1703	30	DC LASER SIM LCW
J10-AF	J7-BZ	1704	30	<u>DC LASER SIM RESET</u>
J10-AH	J7-CA	1705	30	DC LASER SIM ENABLE
J10-AJ	J8-J	1800	30	IR SHUTTER OPEN
J10-AK	J7-CN	780	30	PMT ELECT FILTER V
J10-AL	J8-K	1801	30	OSG LAMP
J10-AM	J8-L	1802	30	OUTSIDE TEST LAMP
J10-AN	J7-CF	1707	30	PMT ELECT FILTER I
J10-AP	J7-CH	1708	30	PMT ELECT FILTER II
J10-AR	J7-CJ	1709	30	PMT ELECT FILTER III
J10-AS	J7-CK	1710	30	PMT ELECT FILTER IV
J10-AT	J5-CE	1900	30	SELF-TEST
J10-AT	J9-AC	1900	30	SELF-TEST
J10-AV	J8-Y	1803	30	DC SHUTTER OPEN
J10-AW	J8-Z	1804	30	DC T LAMP
J10-AX	J8-AA	1805	30	DC FLASH LAMP
J10-AY	J6-L	1601	30	OA TEST SOURCE
J10-AZ	J8-AB	1806	30	<u>OA PMT HV</u>
J10-BA	J8-AC	1807	30	OA FILTER
J10-BB	A5-6	568	30	SEQ INT
J10-BC	J8-AN	1808	30	OA SHUTTER
J10-BD	J8-AP	1809	30	OSG LENS/DIFFUSER
J10-BE	J8-AR	1810	30	OSG FILTER
J10-BF	J8-AS	1811	30	OSG MIRROR
J10-BH	J5-CV	1901	30	SELF-TEST
J10-BH	J9-AD	1901	30	SELF-TEST
J10-BJ	A10-110	1818	30	LEVEL RETURN
J10-BJ	J8-CB	1818	30	LEVEL RETURN
J10-BK	J8-BY	1813	30	SYNC LEVEL
J10-BK	J9-AF	1813	30	SYNC LEVEL
J10-BL	J8-BX	1812	30	WINDOW #1 LEVEL
J10-BL	J9-AH	1812	30	WINDOW #1 LEVEL
J10-BM	J8-BZ	1814	30	SINE WAVE LEVEL
J10-BM	J9-AK	1814	30	SINE WAVE LEVEL
J10-BN	J9-AL	1815	30	CAMERA VIDEO LEVEL
J10-BN	J8-CA	1815	30	CAMERA VIDEO LEVEL

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTION
J10-BR	J7-CC	1706	30	LASER SIMULATOR POWER LEVEL
J10-BR	J9-AM	1706	30	LASER SIMULATOR POWER LEVEL
J10-BS	A10-111	1002	30	BACKGND LEVEL
J10-BT	A10-112	1003	30	<u>WINDOW #2</u> AMP LEVEL
J10-BX	A8-21	812	30	<u>OGATE 1</u>
J10-BY	A8-22	813	30	<u>OFLAG 1</u>
J10-CA	A2-21	213	30	<u>OGATE 2</u>
J10-CB	A2-22	214	30	<u>OFLAG 2</u>
J10-CF	J6-B	1526	30	IR BORESIGHT LED
J10-CH	J8-H	1816	30	IR SHUTTER HOLD
J10-CJ	J4-BD	1314	30	SPARE
J10-CK	J4-BA	1313	30	SPARE
J10-CU	J9-AE	1902	30	<u>SELF-TEST</u>
J12	A9-68	-	COAX	<u>EXT CLOCK</u>
J12	A9-70	-	COAX	EXT CLOCK
J14	A8-56	CENTER	COAX	PPG OUT 1
J14	A8-55	SHI ELD		GND
J15	A8-57	CENTER	COAX	PPG OUT 2
J15	A8-55	SHI ELD		GND
J16	A8-58	CENTER	COAX	PPG OUT 3
J16	A8-61	SHI ELD		GND
J17	A8-59	CENTER	COAX	PPG OUT 4
J17	A8-61	SHI ELD		GND
J18	A8-67	-	COAX	R5
J19	A9-45	-	COAX	VI D SYNC OUT
J20	A10-115	-	COAX	WI N DOW VI DEO
J21	A9-62	-	COAX	H BLANK
J22	A9-64	-	COAX	V BLANK
J23	A9-65	-	COAX	REMOTE TRIG
J24	A9-33	-	COAX	PPG OUT 5
J25	A9-34	-	COAX	EXT HOR BLANK
J27	A10-3	-	COAX	SPARE
NOTE 1	J6-CS	4	22	GND
NOTE 2	J6-CT	3	22	GND
NOTE 3	J6-DA	2	22	+5 VDC
NOTE 4	J6-DB	1	22	+5 VDC
SHI ELD	A9-48	-	COAX	SHI ELD
SHI ELD	A9-63	-	COAX	SHI ELD
SHI ELD	A10-4	-	COAX	GND
SHI ELD	A10-114	-	COAX	WI N DOW VI DEO RTN

## 3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

## ELECTRONICS DRAWER ASSEMBLY 2A2A7 WIRE LIST (cont)

FROM	TO	WI RE I D	WI RE SI ZE	SIGNAL/FUNCTI ON
ST-1	J6-CY	6	22	+5 VDC
ST-2	J6-CZ	5	22	+5 VDC
ST-3	J6-CU	8	22	GND
ST-4	J6-CV	7	22	GND

NOTE 1 BUSS STRIP HOLE NEAREST A13-80

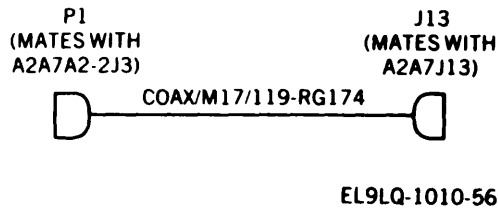
NOTE 2 BUSS STRIP HOLE NEAREST A1-80

NOTE 3 BUSS STRIP HOLE NEAREST A13-41

NOTE 4 BUSS STRIP HOLE NEAREST A1-41

CABLE ASSEMBLY 2A2A7W1 WIRE DIAGRAM

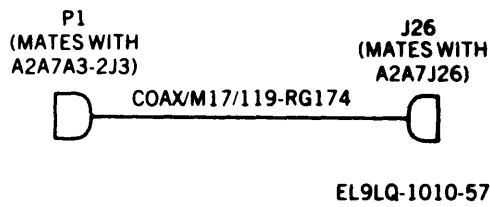
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CABLE ASSEMBLY 2A2A7W2 WIRE DIAGRAM

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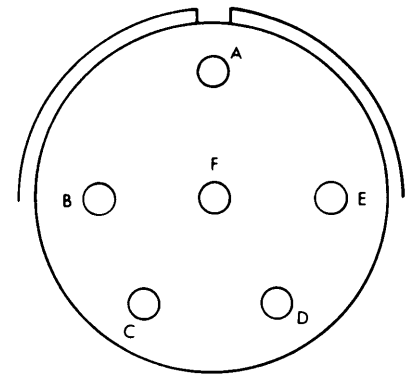


3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7

3-24

CABLE ASSEMBLY 2A2A7W3 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
E1	P1-J	69	22	I R SHUTTER OPEN - DI G
E2	P1-CP	70	22	I R SHUTTER OPEN
E3	P1-K	71	22	OSG LAMP - DI G
E4	P1-CR	72	22	OSG LAMP
E5	P1-L	73	22	OUTSI DE TEST LAMP - DI G
E6	P1-CS	74	22	OUTSI DE TEST LAMP
E7	P1-Y	51	22	DC SHUTTER OPEN - DI G
E8	P1-CT	52	22	DC SHUTTER OPEN
E9	P1-Z	53	22	DC LAMP - DI G
E10	P1-CU	54	22	DC LAMP
E11	P1-AA	55	22	DC FLASH - DI G
E12	P1-CV	56	22	DC FLASH
E13	P1-AB	57	22	OA PMT HV - DI G
E14	P1-CW	58	22	OA PMT HV
E15	P1-AC	59	22	OA FI LTER - DI G
E16	P1-CX	60	22	OA FI LTER
E17	P1-AN	61	22	OA SHUTTER - DI G
E18	P1-CY	62	22	OA SHUTTER
E19	P1-AP	63	22	OSG LENS - DI G
E20	P1-CZ	64	22	OSG LENS
E21	P1-AR	65	22	OSG FI LTER - DI G
E22	P1-DA	66	22	OSG FI LTER
E23	P1-AS	67	22	OSG MI RROR - DI G
E24	P1-DB	68	22	OSG MI RROR
E25	P1-BS	75	22	GND
E26	P1-BV	76	22	GND
E27	P1-BW	77	22	GND
E28	P2-19	83	22	-5.2 VDC
E29	P2-20	84	22	GND
E 30	P2-4	85	22	-15 VDC
E31	P1-H	91	22	I R SHUTTER HOLD - DI G
E32	P1-AT	92	22	+5V SS RELAYS
J11-A	P1-BJ	86	22	MI NCO PROBE/MPA
J11-B	P1-BK	88	22	MI NCO PROBE/MPB
J11-C	P1-AZ	88	22	MI NCO PROBE/MPC
J11-D	P1-cc	86	22	MI NCO PROBE/MPD
J11-E	STM2	93	22	SHI ELD
P1-A	P4-12	1	22	VI DEO B1
P1-B	P4-10	2	22	VI DEO B2
P1-C	P4-5	3	22	VI DEO B3
P1-D	P3-12	15	22	VI DEO A1
P1-E	P3-10	16	22	VI DEO A2
P1-F	P3-5	17	22	VI DEO A3

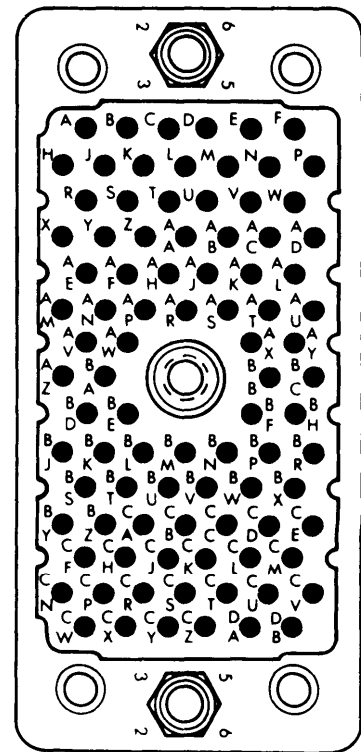


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J11 - MS27468T11B98S

CABLE ASSEMBLY 2A2A7W3 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
P1-H	E31	91	22	IR SHUTTER HOLD - DIG
P1-J	E1	69	22	IR SHUTTER OPEN - DIG
P1-K	E3	71	22	OSG LAMP - DIG
P1-L	E5	73	22	OUTSIDE TEST LAMP - DIG
P1-N	P2-23	31	22	+15V
P1-P	P2-13	34	22	-15V
P1-R	P4-7	4	22	VIDEO 64
P1-S	P4-2	5	22	VIDEO 65
P1-T	P4-3	6	22	VIDEO 66
P1-U	P3-7	18	22	VIDEO A4
P1-V	P3-2	19	22	VIDEO A5
P1-W	P3-3	20	22	VIDEO A6
P1-X	P4-22	79	22	SEQ B
P1-Y	E7	51	22	DC SHUTTER OPEN - DIG
P1-Z	E9	53	22	DC LAMP - DIG
P1-AA	E11	55	22	DC FLASH - DIG
P1-AB	E13	57	22	OA PMT HV - DIG
P1-AC	E15	59	22	OA FILTER - DIG
P1-AD	P3-22	81	22	SEQ A
P1-AE	P4-4	7	22	VIDEO 67
P1-AF	P4-8	8	22	VIDEO B8
<b>P1-AH</b>	P4-11	11	22	ERC-B
P1-AJ	P3-4	21	22	VIDEO A7
P1-AK	P3-8	22	22	VIDEO A8
P1-AL	P3-11	25	22	ERC-A
P1-AN	E17	61	22	OA SHUTTER - DIG
P1-AP	E19	63	22	OSG LENS - DIG
P1-AR	E21	65	22	OSG FILTER - DIG
P1-AS	E23	67	22	OSG MIRROR - DIG
P1-AT	E32	92	22	+5V SS RELAYS
P1-AV	P4-24	10	22	V SYNC-B
P1-AW	P4-25	9	22	H SYNC-B
P1-AX	P3-24	24	22	V SYNC-A
P1-AY	P3-25	23	22	H SYNC-A
P1-AZ	J11-C	88	22	MINCO PROBE/MPC
P1-BA	STM1	90	22	SHIELD
P1-BB	STP7	104	22	CAMERA - AGD
P1-BC	P4-17	14	22	CAMERA - BGD
P1-BD	P4-9	12	22	VIDEO EN B
P1-BE	P4-21	13	22	CLOCK EN B
P1-BF	P3-9	26	22	VIDEO EN A
P1-BH	P3-21	27	22	CLOCK EN A
P1-BJ	J11-A	86	22	MINCO PROBE/MPA



EL9LQ-1000-28A

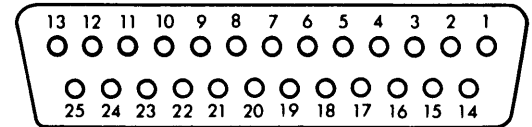
P1 - 13083717

3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

CABLE ASSEMBLY 2A2A7W3 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-BK	J11-B	88	22	MINCO PROBE/MPB
P1-BL	P6	50	COAX	6.25 MHZ
P1-BM	P2-11	44	22	WI NDOW
P1-BN	P2-1	49	22	CAMERA WI NDOW
P1-BP	P2-17	45	22	VI DEO SYNC
P1-BR	P2-3	46	22	CAMERA VI DEO
P1-BS	E25	75	22	GND
P1-BT	P2-12	32	22	+5V
P1-BU	STM4	33	22	GND
P1-BV	E26	76	22	GND
P1-BW	E27	77	22	GND
P1-BX	P2-14	48	22	WI NDOW LEVEL
P1-BY	P2-16	30	22	SYNC LEVEL
P1-BZ	P2-24	29	22	SI NE WAVE LEVEL
P1-CA	P2-2	47	22	CAMERA VI DEO LEVEL
P1-CB	P2-7	82	22	LEVEL RETURN
P1-CC	J11-D	86	22	MINCO PROBE/MPD
P1-CD	P2-15	43	22	H-SYNC
P1-CE	P2-10	35	22	RØ
P1-CF	P2-21	36	22	R1
P1-CH	P2-9	37	22	R2
P1-CJ	P2-8	38	22	R3
P1-CK	P2-18	39	22	R4
P1-CL	P2-6	40	22	R5
P1-CM	P2-5	41	22	R6
P1-CN	P2-22	42	22	R7
P1-CP	E2	70	22	I R SHUTTER OPEN
P1-CR	E4	72	22	OSG LAMP
P1-CS	E6	74	22	OUTSIDE TEST LAMP
P1-CT	E8	52	22	DC SHUTTER OPEN
P1-CU	E10	54	22	DC LAMP
P1-CV	E12	56	22	DC FLASH
P1-CW	E14	58	22	OA PMT HV
P1-CX	E16	60	22	OA FI LTER
P1-CY	E18	62	22	OA SHUTTER
P1-CZ	E20	64	22	OSG LENS
P1-DA	E22	66	22	OSG FI LTER
P1-DB	E24	68	22	OSG MI RROR
P2-1	P1-BN	49	22	CAMERA WI NDOW
P2-2	P1-CA	47	22	CAMERA VI DEO LEVEL
P2-3	P1-BR	46	22	CAMERA VI DEO
P2-4	E30	85	22	-15 VDC
P2-5	P1-CM	41	22	R6



EL9LQ-1000-11

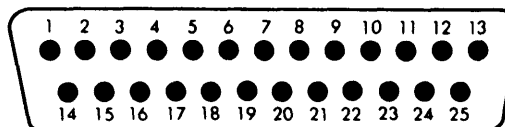
P2-M24308/2-3F



3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

CABLE ASSEMBLY 2A2A7W3 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-6	P1-CL	40	22	R5
P2-7	P1-CB	82	22	LEVEL RETURN
P2-8	P1-CJ	38	22	R3
P2-9	P1-CH	37	22	R2
P2-10	P1-CE	35	22	R0
P2-11	P1-BM	44	22	WI NDOW
P2-12	P1-BT	32	22	+5V
P2-13	P1-P	34	22	-15V
P2-14	P1-BX	48	22	WI NDOW LEVEL
P2-15	P1-CD	43	22	H-SYNC
P2-16	P1-BY	30	22	SYNC LEVEL
P2-17	P1-BP	45	22	VI DEO SYNC
P2-18	P1-CK	39	22	R4
P2-19	E28	83	22	-5.2 VDC
P2-20	E29	84	22	GND
P2-21	P1-CF	36	22	R1
P2-22	P1-CN	42	22	R7
P2-23	P1-N	31	22	+15V
P2-24	P1-BZ	29	22	SINE WAVE LEVEL
P2-25	STM3	101	22	GND
P3-1	STP7	102	22	CAMERA-AGD
P3-2	P1-V	19	22	VI DEO A5
P3-3	P1-W	20	22	VI DEO A6
P3-4	P1-AJ	21	22	VI DEO A7
P3-5	P1-F	17	22	VI DEO A3
P3-7	P1-U	18	22	VI DEO A4
P3-8	P1-AK	22	22	VI DEO A8
P3-9	P1-BF	26	22	VI DEO EN A
P3-10	P1-E	16	22	<u>VI DEO</u> A2
P3-11	P1-AL	25	22	ERC-A
P3-12	P1-D	15	22	VI DEO AI
P3-17	STP7	103	22	CAMERA AGD
P3-21	P1-BH	27	22	<u>CLOCK</u> EN A
P3-22	P1-AD	81	22	SEQ A
P3-24	P1-AX	24	22	V SYNC-A
P3-25	P1-AY	23	22	H SYNC-A
P4-2	P1-S	5	22	VI DEO B5
P4-3	P1-T	6	22	VI DEO B6
P4-4	P1-AE	7	22	VI DEO 67
P4-5	P1-c	3	22	VI DEO B3
P4-7	P1-R	4	22	VI DEO B4
P4-8	P1-AF	8	22	VI DEO 68
P4-9	P1-BD	12	22	VI DEO EN B
P4-10	P1-B	2	22	VI DEO B2



EL9LQ-1000-11

**P3 and P4 - M24308/4-3**



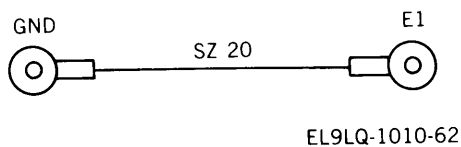
3-24. ELECTRONICS DRAWER ASSEMBLY 2A2A7 (cont)

3-24

CABLE ASSEMBLY 2A2A7W3 WIRE LIST (cont)

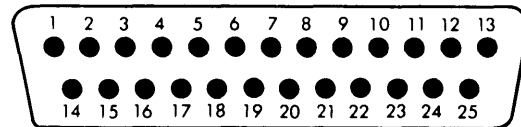
FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P4-11	P1-AH	11	22	ERC-B
P4-12	P1-A	1	22	VI DEO B1
P4-17	P1-BC	14	22	CAMERA-BGD
P4-21	P1-BE	13	22	<u>CLOCK</u> EN B
P4-22	P1-X	79	22	SEQ B
P4-24	P1-AV	10	22	V SYNC-B
P4-25	P1-AW	9	22	H SYNC-B
P6	P1-BL	50	COAX	6.25 MHZ
STM1	P1-BA	90	22	SHI ELD
STM1	STP1	96	22	SHI ELD
STM1	STP2	97	22	SHI ELD
STM2	J11-E	93	22	SHI ELD
STM2	STP3	94	22	SHI ELD
STM2	STP4	95	22	SHI ELD
STM3	P2-25	01	22	GND
STM3	STM4	99	22	GND
STM3	STP5	100	22	GND
STM4	P1-BU	33	22	GND
STM4	STM3	99	22	GND
STM4	STP6	98	22	GND
STP1	STM1	96	22	SHI ELD
STP2	STM1	97	22	SHI ELD
STP3	STM2	94	22	SHI ELD
STP4	STM2	95	22	SHI ELD
STP5	STM3	100	22	GND
STP6	STM4	98	22	GND
STP7	P1-BB	04	22	CAMERA-AGD
STP7	P3-1	102	22	CAMERA-AGD
STP7	P3-17	103	22	CAMERA-AGD

CABLE ASSEMBLY 2A2A7W38, W39, AND W40 WIRE DIAGRAM



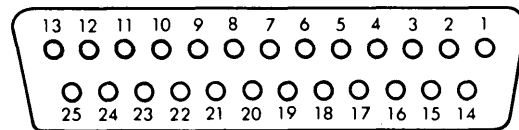
CABLE ASSEMBLY 2A2A13W2 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J19-1	P2-8			ADB IN 0
J19-2	P2-7			ADB IN 1
J19-3	P2-6			ADB IN 2
J19-4	P2-5			ADB IN 3
J19-5	P3-6			A/D COM
J19-6	P3-5			A/D FLAG
J19-7	P2-4			ADB IN 4
J19-8	P2-3			ADB IN 5
J19-9	P2-2			ADB IN 6
J19-10	P2-1			ADB IN 7
J19-11	P1-8			ADB IN 8
J19-12	P1-7			ADB IN 9
J19-13	P1-6			ADB IN 10
J19-14	P1-5			ADB IN 11
J19-15	P1-4			ADB IN 12
J19-16	P1-3			ADB IN 13
J19-17	P1-2			ADB IN 14
J19-18	P1-1			ADB IN 15
J20-1	P2-16			ADB OUT 0
J20-2	P2-15			ADB OUT 1
J20-3	P2-14			ADB OUT 2
J20-4	P2-13			ADB OUT 3
J20-5	P2-12			ADB OUT 4
J20-6	P2-11			ADB OUT 5
J20-7	P2-10			ADB OUT 6
J20-8	P2-9			ADB OUT 7
J20-9	P1-16			ADB OUT 8
J20-10	P1-15			ADB OUT 9
J20-11	P1-14			ADB OUT 10
J20-12	P1-13			ADB OUT 11
J20-13	P1-12			ADB OUT 12
J20-14	P1-11			ADB OUT 13
J20-15	P1-10			ADB OUT 14
J20-16	P1-9			ADB OUT 15
J20-17	P3-15			A/D DVCMD
J20-18	P3-16			A/D CUM
P1-1	J19-18			ADB IN 15
P1-2	J19-17			ADB IN 14
P1-3	J19-16			ADB IN 13
P1-4	J19-15			ADB IN 12
P1-5	J19-14			ADB IN 11
P1-6	J19-13			ADB IN 10



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J19-M24308/2-3F



EL9LQ-1000-11

J20-M24308/4-3F

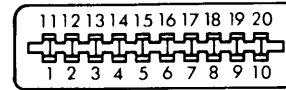


3-24.1 ANALOG TO DIGITAL CONVERTER ASSEMBLY 2A2A13 (cont)

3-24.1

CABLE ASSEMBLY 2A2A13W2 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-7	J19-12			ADB IN 9
P1-8	J19-11			ADB IN 8
P1-9	J20-16			ADB OUT 15
P1-10	J20-15			ADB OUT 14
P1-11	J20-14			ADB OUT 13
P1-12	J20-13			ADB OUT 12
P1-13	J20-12			ADB OUT 11
P1-14	J20-11			ADB OUT 10
P1-15	J20-10			ADB OUT 9
P1-16	J20-9			ADB OUT 8
P2-1	J19-10			ADB IN 7
P2-2	J19-9			ADB IN 6
P2-3	J19-8			ADB IN 5
P2-4	J19-7			ADB IN 4
P2-5	J19-4			ADB IN 3
P2-6	J19-3			ADB IN 2
P2-7	J19-2			ADB IN 1
P2-8	J19-1			ADB IN 0
P2-9	J20-8			ADB OUT 7
P2-10	J20-7			ADB OUT 6
P2-11	J20-6			ADB OUT 5
P2-12	J20-5			ADB OUT 4
P2-13	J20-4			ADB OUT 3
P2-14	J20-3			ADB OUT 2
P2-15	J20-2			ADB OUT 1
P2-16	J20-1			ADB OUT 0
P3-5	J19-6			A/D FLAG
P3-6	J19-5			A/D COM
P3-15	J20-17			A/D DVCMD
P3-16	J20-18			A/C CUM



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P1 thru P3 - P/O 13082276-4

Section VII. NIGHTSIDE TEST BENCH 2A3  
WIRING DATA

Subject	Part No.	Para	Page
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Cable Assembly 2A3W2 Wire List . . . . .	13081965	3-26	3-283
Cable Assembly 2A3W3 Wire List . . . . .	13081966	3-26	3-284
Cable Assembly 2A3W4 Wire List . . . . .	13081967	3-26	3-285
Nightside Optical Assembly Interconnection Diagram 2A3A1 . . . . .		3-27	3-289
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Cable Assembly 2A3A1A1W15 Wire List . . . . .	13082263-119	3-28	3-299
Cable Assembly 2A3A1A1W16 Wire List . . . . .	13082264-29	3-28	3-300
Cable Assembly 2A3A1A1W17 Wire List . . . . .	13081524-29	3-28	3-300
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Cable Assembly 2A3A1A1W21 Wire List . . . . .	13082900	3-28	3-301
Cable Assembly 2A3A1A1W24 Wire List . . . . .	13081588-19	3-28	3-301
Cable Assembly 2A3A1A1W25 Wire List . . . . .	13081588-29	3-28	3-301
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Cable Assembly 2A3A1A2W8 Wire Diagram . . . . .	13082243-19	3-29	3-304
Sensor Mount Assembly Interconnection Diagram 2A3A1A3 . . . . .		3-30	3-305
Cable Assembly 2A3A1A3W9 Wire List . . . . .	13081586	3-30	3-305
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Secondary Heat Source Assembly Interconnection Diagram 2A3A1A17 . . . . .		3-30.1	3-307
Cable Assembly 2A3A1A17W23 Wire List . . . . .	13081588	3-30.1	3-307

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3-25. GENERAL 3-25

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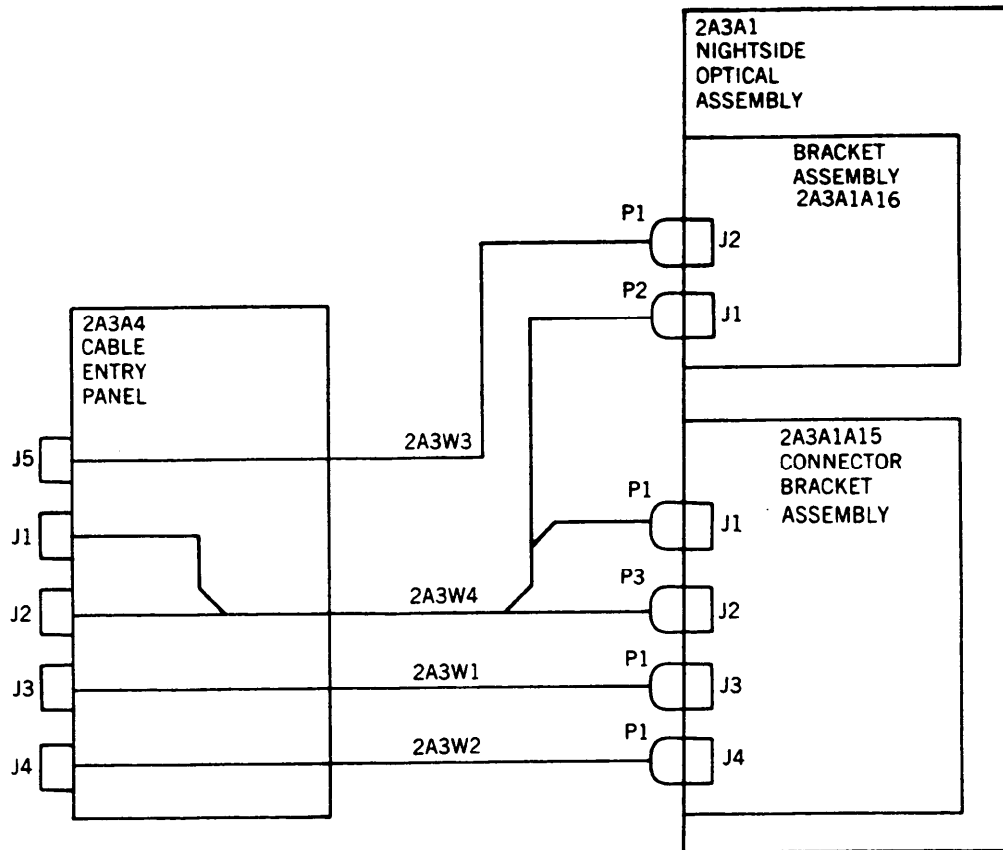
a. This section provides wiring and interconnection data for cable assemblies that connect within the nightside test bench.

b. When troubleshooting or performing cable maintenance, refer to this section for wire size and ID, contact location, from/to information, and signal name or function.

c. The information is presented in cable reference designator sequence. Each paragraph contains an interconnection diagram followed by cable wire list data for all cables of that unit, assembly, or subassembly as listed above. Simple cables are shown by diagram.

d. For the detailed nightside test bench 2A3 interconnection diagram, refer to FO-40.

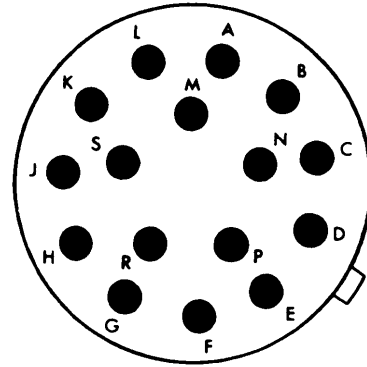
INTERCONNECTION DIAGRAM



EL9LQ-1010-7

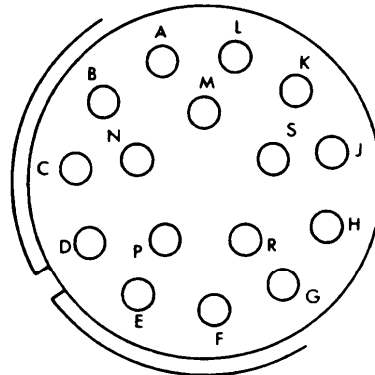
CABLE ASSEMBLY 2A3W1 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J3-A	P1-A	5	24	SENSOR
J3-B	P1-B	5	24	SENSOR RTN
J3-C	P1-C	10	16	FAN AC
J3-D	P1-D	11	16	FAN AC
J3-E	P1-E	1	16	T E DRIVE
J3-F	P1-F	2	16	T E DRIVE
J3-G	STP1	7	16	CHASSIS GND
J3-H	P1-H	3	16	DRIVE RTN
J3-J	P1-J	4	16	DRIVE RTN
J3-K	P1-K	6	24	SENSOR DRIVE RTN
J3-L	P1-L	6	24	SENSOR DRIVE
J3-M	P1-M	16	24	SENSOR DRIVE
J3-N	P1-N	15	24	SENSOR RTN
J3-P	STP3	12	16	GND
J3-R	P1-R	15	24	SENSOR
J3-S	P1-S	16	24	SENSOR DRIVE RTN
P1-A	J3-A	5	24	SENSOR
P1-B	J3-B	5	24	SENSOR RTN
P1-C	J3-C	10	16	FAN AC
P1-D	J3-D	11	16	FAN AC
P1-E	J3-E	1	16	T E DRIVE
P1-F	J3-F	2	16	T E DRIVE
P1-G	STP2	9	16	CHASSIS GND
P1-H	J3-H	3	16	DRIVE RTN
P1-J	J3-J	4	16	DRIVE RTN
P1-K	J3-K	6	24	SENSOR DRIVE RTN
P1-L	J3-L	6	24	SENSOR DRIVE
P1-M	J3-M	16	24	SENSOR DRIVE
P1-N	J3-N	15	24	SENSOR RTN
P1-P	STP4	14	16	GND
P1-R	J3-R	15	24	SENSOR
P1-S	J3-S	16	24	SENSOR DRIVE RTN
STP1	J3-G	7	16	CHASSIS GND
STP1	STP2	8	16	CHASSIS GND
STP2	P1-G	9	16	CHASSIS GND
STP2	STP1	8	16	CHASSIS GND
STP3	J3-P	12	16	GND
STP3	STP4	13	16	GND
STP4	P1-P	14	16	GND
STP4	STP3	13	16	GND



EL9LQ-1000-31A

J3-KP28F-20-16PW

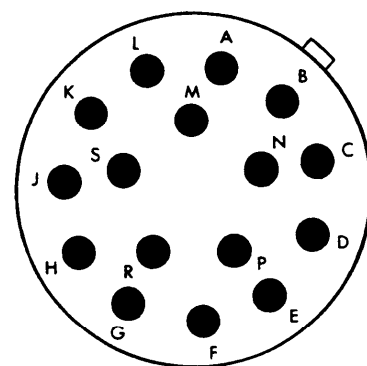


EL9LQ-1000-31A

P1-PT06SE-20-16SW(SR)

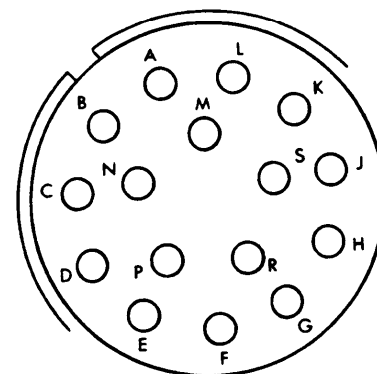
CABLE ASSEMBLY 2A3W2 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
J4-A	P1-A	7	16	SENSOR
J4-B	P1-B	7	16	SENSOR RTN
J4-C	P1-C	5	16	FAN AC
J4-D	P1-D	6	16	FAN AC
J4-E	P1-E	1	16	T E DRIVE
J4-F	P1-F	2	16	T E DRIVE
J4-G	STM1	9	16	CHASSIS GND
J4-H	P1-H	3	16	DRIVE RTN
J4-J	P1-J	4	16	DRIVE RTN
J4-K	P1-K	8	16	SENSOR DRIVE RTN
J4-L	P1-L	8	16	SENSOR DRIVE
P1-A	J4-A	7	16	SENSOR
P1-B	J4-B	7	16	SENSOR RTN
P1-C	J4-C	5	16	FAN AC
P1-D	J4-D	6	16	FAN AC
P1-E	J4-E	1	16	T E DRIVE
P1-F	J4-F	2	16	T E DRIVE
P1-G	STM2	10	16	CHASSIS GND
P1-H	J4-H	3	16	DRIVE RTN
P1-J	J4-J	4	16	DRIVE RTN
P1-K	J4-K	8	16	SENSOR DRIVE RTN
P1-L	J4-L	8	16	SENSOR DRIVE
STM1	J4-G	9	16	CHASSIS GND
STM1	STM2	15	16	CHASSIS GND
STM1	STP1	11	22	CHASSIS GND
STM1	STP2	12	22	CHASSIS GND
STM2	P1-G	10	16	CHASSIS GND
STM2	STM1	15	16	CHASSIS GND
STM2	STP3	13	22	CHASSIS GND
STM2	STP4	14	22	CHASSIS GND
STP1	STM1	11	22	CHASSIS GND
STP2	STM1	12	22	CHASSIS GND
STP3	STM2	13	22	CHASSIS GND
STP4	STM2	14	22	CHASSIS GND



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**J1 - KP28F20-16PX**

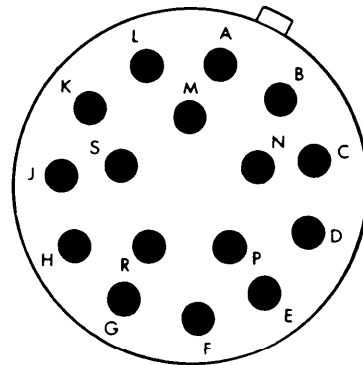


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**P1 - PT06SE-20-16SX (SR)**

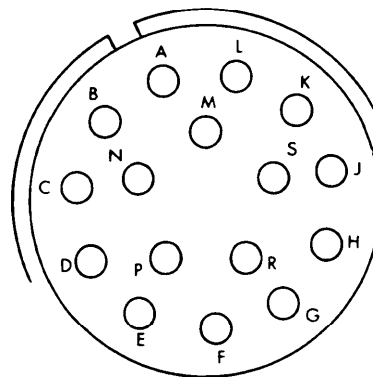
CABLE ASSEMBLY 2A3W3 WIRE LIST

FROM	TO	WIRE ID	WIRE SIZE	SIGNAL/FUNCTION
J5-A	P1-A	7	16	SENSOR
J5-B	P1-B	7	16	SENSOR RTN
J5-C	P1-C	5	16	FAN AC
J5-D	P1-D	6	16	FAN AC
J5-E	P1-E	1	16	T E DRIVE
J5-F	P1-F	2	16	T E DRIVE
J5-G	STM1	9	16	CHASSIS GND
J5-H	P1-H	3	16	DRIVE RTN
J5-J	P1-J	4	16	DRIVE RTN
J5-K	P1-K	8	16	SENSOR DRIVE RTN
J5-L	P1-L	8	16	SENSOR DRIVE
P1-A	J5-A	7	16	SENSOR
P1-B	J5-B	7	16	SENSOR RTN
P1-C	J5-C	5	16	FAN AC
P1-D	J5-D	6	16	FAN AC
P1-E	J5-E	1	16	T E DRIVE
P1-F	J5-F	2	16	T E DRIVE
P1-G	STM2	10	16	CHASSIS GND
P1-H	J5-H	3	16	DRIVE RTN
P1-J	J5-J	4	16	DRIVE RTN
P1-K	J5-K	8	16	SENSOR DRIVE RTN
P1-L	J5-L	8	16	SENSOR DRIVE
STM1	J5-G	9	16	CHASSIS GND
STM1	STM2	15	16	CHASSIS GND
STM1	STP1	11	22	CHASSIS GND
STM1	STP2	12	22	CHASSIS GND
STM2	P1-G	10	16	CHASSIS GND
STM2	STM1	15	16	CHASSIS GND
STM2	STP3	13	22	CHASSIS GND
STM2	STP4	14	22	CHASSIS GND
STP1	STM1	11	22	CHASSIS GND
STP2	STM1	12	22	CHASSIS GND
STP3	STM2	13	22	CHASSIS GND
STP4	STM2	14	22	CHASSIS GND



EL9LQ-1000-131

**J5 - KP28F20-16PY**



EL9LQ-1000-131

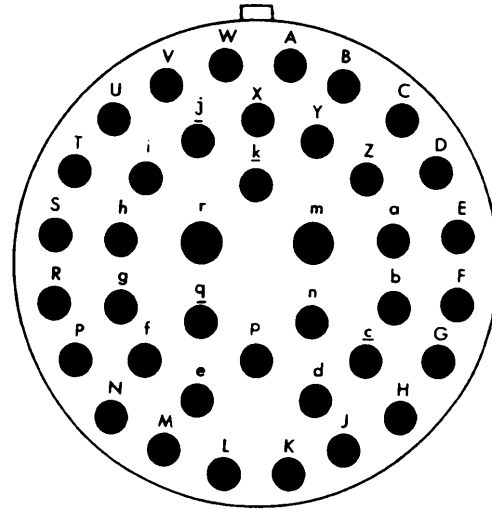
**P1- PT06SE-20-16SY (SR)**





CABLE ASSEMBLY 2A3W4 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
J1-s	P2-8	94	22	SPARE
J1-t	P1-t	95	22	SPARE
J1-u	P1-u	26	22	NST2 GH2
J1-x	P1-x	27	22	NST2 D1
J1-y	P2-3	89	22	SPARE
J1-z	P2-4	90	22	SPARE
J2-A	P2-19	46	22	+28 VDC
J2-B	STMA	51	22	CABLE SHIELD DRIVER
J2-C	P3-C	47	22	+28 VDC
J2-D	P3-D	49	22	BORESIGHT GND
J2-E	P3-E	48	22	BORESIGHT LED
J2-F	P3-F	50	22	BORESIGHT LED GND
J2-K	P3-K	76	22	SPARE
J2-L	P3-L	77	22	SPARE
J2-M	P3-M	78	22	SPARE
J2-N	P3-N	79	22	SPARE
J2-P	P3-P	80	22	SPARE
J2-R	P3-R	81	22	SPARE
J2-S	P3-S	82	22	SPARE
J2-T	P3-T	83	22	SPARE
J2-U	P3-U	84	22	SPARE
J2-V	P3-V	85	22	SPARE
J2-W	P3-W	86	22	SPARE
J2-X	P2-18		22	IR SHUTTER
J2-Y	P2-2	71	22	<u>SPARE</u>
J2-f	P3-f	55	22	<u>NST 04</u>
J2-g	P3-g	56	22	<u>NST1 DT</u>
J2-h	P3-h	54	22	NST 03
J2-i	P3-i	57	22	NST2 DT
J2-j	P2-1	65	22	<u>SPARE</u>
J2-k	P3-k	53	22	NST 02
J2-n	P3-n	52	22	NST 01
J2-p	P3-p	58	22	<u>NTCC</u>
J2-g	P3-g	59	22	NTCC
PI-B	J1-B	16	22	SIG GND
PI-E	J1-E	15	22	+5 VDC
PI-J	J1-J	23	22	-15 VDC
PI-K	J1-K	17	22	+15 VDC
PI-S	J1-S	19	22	IR BORESIGHT IV
PI-T	J1-T	22	22	IR BORESIGHT III
PI-u	J1-U	20	22	IR BORESIGHT II
PI-v	J1-V	21	22	<u>IR BORESIGHT I</u>
PI-AA	J1-AA	7	22	NST2 D2



EL9LQ-1000-42A

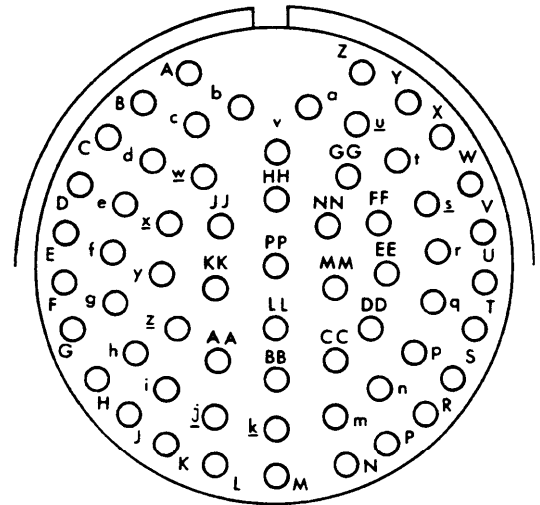
J2-KP28F20-39P

3-26. NIGHTSIDE TEST BENCH 2A3 (cont)

3-26

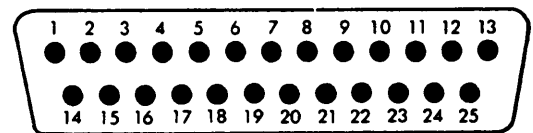
CABLE ASSEMBLY 2A3W4 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P1-BB	J1-BB	14	22	<u>NST EN2</u>
P1-cc	J1-CC	4	22	<u>NST1 D4</u>
P1-DD	J1-DD	8	22	<u>NST2 D3</u>
P1-EE	J1-EE	13	22	<u>NST EN1</u>
P1-FF	J1-FF	3	22	<u>NST1 D3</u>
P1-GG	J1-GG	9	22	<u>NST2 D4</u>
P1-HH	J1-HH	11	22	<u>SPARE</u>
P1-JJ	J1-JJ	2	22	<u>NST1 D2</u>
P1-KK	J1-KK	5	22	<u>NST1 GH1</u>
P1-LL	J1-LL	12	22	<u>NST2 DTO</u>
P1-MM	J1-MM	10	22	<u>NST1 DTO</u>
P1-NN	J1-NN	1	22	<u>NST1 D1</u>
P1-PP	J1-PP	6	22	<u>NST1 GH2</u>
P1-d	J1-d	25	22	<u>SPARE</u>
P1-j	J1-r	30	22	<u>SG6</u>
P1-k	J1-e	31	22	<u>SH1</u>
P1-p	J1-n	32	22	<u>SH2</u>
P1-q	J1-q	24	22	<u>NST2 GH1</u>
P1-s	J1-h	33	22	<u>SH6</u>
P1-t	J1-t	95	22	<u>SPARE</u>
P1-u	J1-u	26	22	<u>NST2 GH2</u>
P1-x	J1-x	27	22	<u>NST2 D1</u>
P1-y	J1-m	28	22	<u>SG1</u>
P1-z	J1-i	29	22	<u>SG2</u>
P2-1	J2-j	65	22	<u>SPARE</u>
P2-2	J2-Y	71	22	<u>SPARE</u>
P2-3	J1-y	89	22	<u>SPARE</u>
P2-4	J1-z	90	22	<u>SPARE</u>
P2-5	J1-j	91	22	<u>SPARE</u>
P2-6	J1-k	92	22	<u>SPARE</u>
P2-7	J1-p	93	22	<u>SPARE</u>
P2-8	J1-s	94	22	<u>SPARE</u>
P2-9	J1-c	34	22	<u>SI 1</u>
P2-10	J1-f	35	22	<u>SI 2</u>
P2-11	J1-b	36	22	<u>SIG</u>
P2-12	TP1	97	22	<u>+5 VDC</u>
P2-13	J1-F	100	22	<u>INTERLOCK #1</u>
P2-14	TP2	98	22	<u>SIG GND</u>
P2-15	TP1	96	22	<u>+5 VDC</u>
P2-16	J1-X	37	22	<u>I R SHUTTER (CLOSED)</u>
P2-17	J1-a	38	22	<u>I R SHUTTER OPEN</u>
P2-18	J2-X		22	<u>I R SHUTTER</u>
P2-19	J2-A	46	22	<u>+28 VDC</u>



EL9LQ-1000-64B

P1- PT06SE-24-61S (SR)

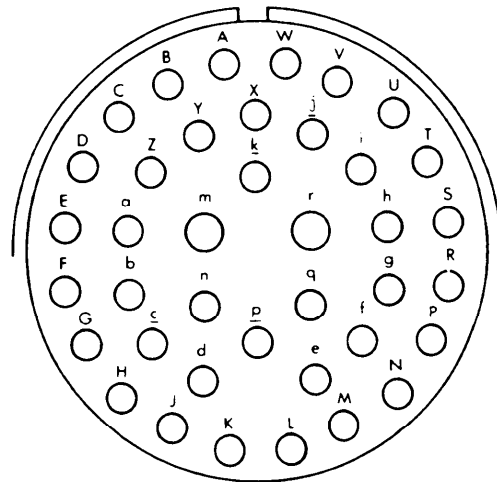


EL9LQ-1000-11

P2-M24308/2-3F

CABLE ASSEMBLY 2A3W4 WIRE LIST (cont)

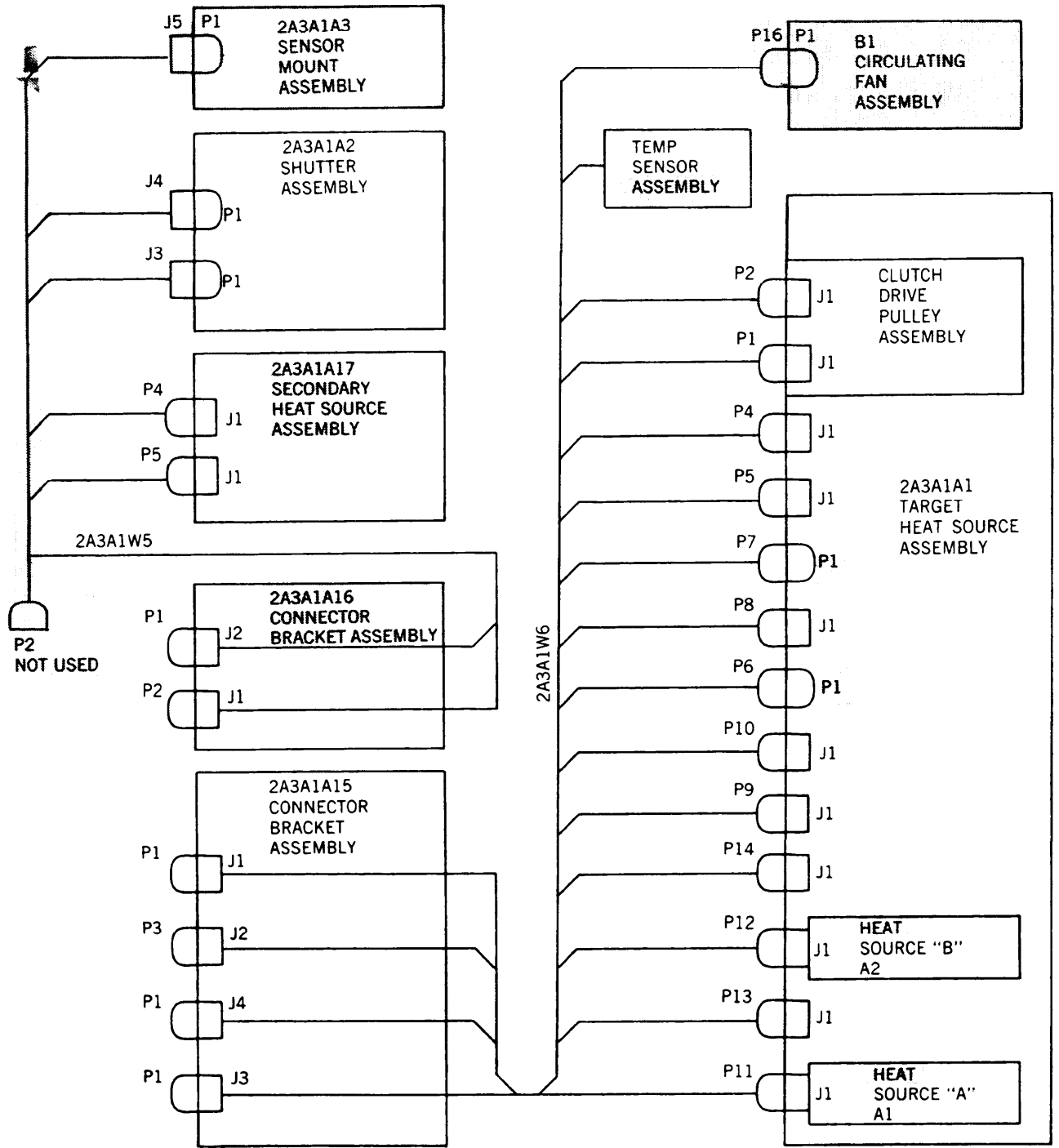
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
P2-20	STP2	60	22	GND
P2-21	TP1	103	22	+5 VDC
P2-22	TP2	102	22	SIG GND
P2-23	J1-N	41	22	IR SOURCE #3
P2-24	J1-G	101	22	INTERLOCK #2
P2-25	TP2	99	22	GND
P3-B	STMA	62	22	CABLE SHIELD DRIVER
P3-C	J2-C	47	22	+28 VDC
P3-D	J2-D	49	22	BORESIGHT GND
P3-E	J2-E	48	22	BORESIGHT LED
P3-F	J2-F	50	22	BORESIGHT LED GND
P3-K	J2-K	76	22	SPARE
P3-L	J2-L	77	22	SPARE
P3-M	J2 M	78	22	SPARE
P3-N	J2-N	79	22	SPARE
P3-P	J2-P	80	22	SPARE
P3-R	J2-R	81	22	SPARE
P3-S	J2-S	82	22	SPARE
P3-T	J2-T	83	22	SPARE
P3-U	J2-U	84	22	SPARE
P3-V	J2-V	85	22	SPARE
P3-W	J2-W	86	22	SPARE
P3-f	J2-f	55	22	NST 04
P3-g	J2-g	56	22	NST1 DT
P3-h	J2-h	54	22	NST 03
P3-i	J2-i	57	22	NST2 DT
P3-k	J2-k	53	22	NST 02
P3-n	J2-n	52	22	NST 01
P3-p	J2-p	58	22	NTCC
P3-q	J2-q	59	22	NTCC
STMA	J2-B	51	22	CABLE SHIELD DRIVER
STMA	P3-B	62	22	CABLE SHIELD DRIVER
STMA	STP1	61	22	SHIELD TIE POINT
STP1	STMA	61	22	SHIELD TIE POINT
STP2	P2-20	60	22	GND
TP1	J1-L	40	22	+5 VDC
TP1	P2-21	103	22	+5 VDC
TP1	P2-12	97	22	+5 VDC
TP1	P2-15	96	22	+5 VDC
TP2	J1-A	39	22	SIG GND
TP2	P2-22	102	22	SIG GND
TP2	P2-14	98	22	SIG GND
TP2	P2-25	99	22	SIG GND



EL9LQ-1000-42A

P3-PT06SE-20-39P (SR)

INTERCONNECTION DIAGRAM



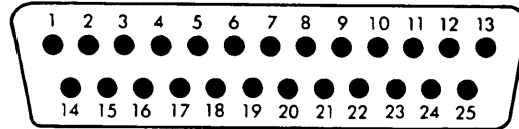
EL9LQ-1010-29B

3-27. NIGHTSIDE OPTICAL ASSEMBLY 2A3A1 (cont)

3-27

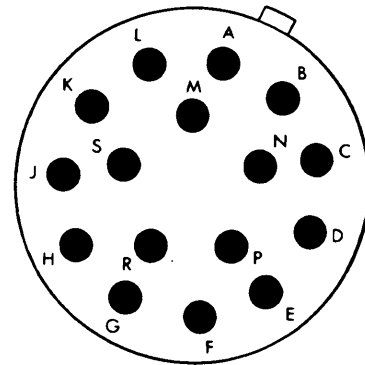
CABLE ASSEMBLY 2A3A1W5 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
CP1	J1-23	17	22	T E DRIVE
CP1	J2-E	18	16	T E DRIVE
CP1	J2-F	19	16	T E DRIVE
CP1	P5-E	20	16	T E DRIVE
CP1	P5-F	21	16	T E DRIVE
CP2	J1-21	13	22	+5 VDC
CP2	J4-A	15	22	+5 VDC
CP2	J4-D	44	22	+5 VDC
CP3	J1-22	14	22	SGN GND
CP3	J4-B	16	22	SGN GND
CP3	J4-E	45	22	SGN GND
J1-1	P2-D	36	22	SPARE
J1-3	P2-A	1	22	SPARE
J1-4	P2-B	2	22	SPARE
J1-5	P2-C	3	22	SPARE
J1-9	P4-A	7	22	SI 1
J1-10	P4-B	8	22	SI 2
J1-11	P4-C	9	22	SIG
J1-12	J5-A	38	22	+5 VDC
J1-13	J5-B	39	22	INTERLOCK 1
J1-14	J5-C	40	22	SIG GND
J1-15	J5-D	41	22	+5 VDC
J1-16	J4-F	10	22	I R SHUTTER CLOSED
J1-17	J4-C	11	22	I R SHUTTER OPEN
J1-18	J3-B	12	22	I R SHUTTER
J1-19	J3-A	12	22	+28 VDC
J1-20	STP1	46	22	SHI ELD
J1-21	CP2	13	22	+5 VDC
J1-22	CP3	14	22	SGN GND
J1-23	CP1	17	22	T E DRIVE
J1-24	J5-E	42	22	INTERLOCK 2
J1-25	J5-F	43	22	SIG GND
J2-A	P5-A	24	18	SENSOR
J2-B	P5-B	24	18	SENSOR RTN
J2-C	P5-C	29	16	FAN AC
J2-D	P5-D	30	16	FAN AC
J2-E	CP1	18	16	T E DRIVE
J2-F	CP1	19	16	T E DRIVE
J2-G	STM1	26	16	CHASSI S GND
J2-H	P5-H	22	16	DRI VE RTN
J2-J	P5-J	23	16	DRI VE RTN
J2-K	P5-K	25	18	SENSOR DRI VE RTN
J2-L	P5-L	25	18	SENSOR DRI VE
J2-M	P5-M	31	16	SPARE
J2-N	P5-N	32	16	SPARE



EL9LQ-1000-11

**J1 - M24308/4-3F**

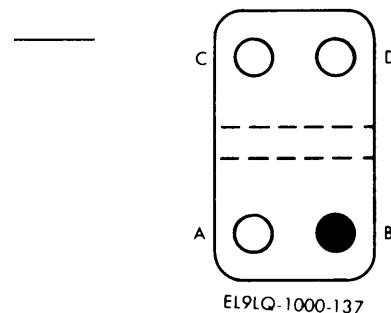


EL9LQ-1000-131

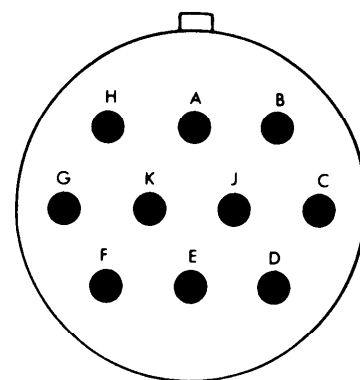
**J2 - KP28F20-16SY**

CABLE ASSEMBLY 2A3A1W5 WIRE LIST (cont)

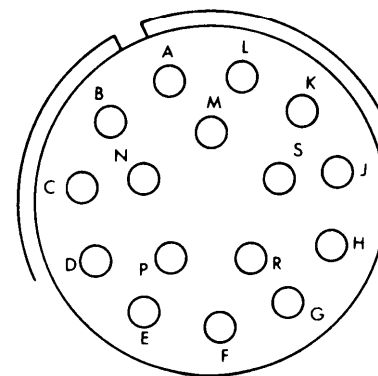
FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTI ON
J2-P	P5-P	33	16	SPARE
J2-R	P5-R	34	16	SPARE
J2-S	P5-S	35	16	SPARE
J3-A	J1-19	12	22	+28 VDC
J3-B	J1-18	12	22	I R SHUTTER
J3-C	STP2	47	22	SHI ELD
J4-A	CP2	15	22	+5 VDC
J4-B	CP3	16	22	SGN GND
J4-C	J1-17	11	22	I R SHUTTER OPEN
J4-D	CP2	44	22	+5 VDC
J4-E	CP3	45	22	SGN GND
J4-F	J1-16	10	22	I R SHUTTER CLOSED
J5-A	J1-12	38	22	+5 VDC
J5-B	J1-13	39	22	I NTERLOCK #1
J5-C	J1-14	40	22	SIG GND
J5-D	J1-15	41	22	+5 VDC
J5-E	J1-24	42	22	I NTERLOCK #2
J5-F	J1-25	43	22	SIG GND
P2-A	J1-3	1	22	SPARE
P2-B	J1-4	2	22	SPARE
P2-C	J1-5	3	22	SPARE
P2-D	J1-1	36	22	SPARE
P4-A	J1-9	7	22	SI 1
P4-B	J1-10	8	22	SI 2
P4-C	J1-11	9	22	SIG
P5-A	J2-A	24	18	SENSOR
P5-B	J2-B	24	18	SENSOR RTN
P5-C	J2-C	29	16	FAN AC
P5-D	J2-D	30	16	FAN AC
P5-E	CP1	20	16	T E DRIVE
P5-F	CP1	21	16	T E DRIVE
P5-G	STM2	28	16	CHASSI S GND
P5-H	J2-H	22	16	DRI VE RTN
P5-J	J2-J	23	16	DRI VE RTN
P5-K	J2-K	25	18	SENSOR DRI VE RTN
P5-L	J2-L	25	18	SENSOR DRI VE
P5-M	J2-M	31	16	SPARE
P5-N	J2-N	32	16	SPARE
P5-P	J2-P	33	16	SPARE
P5-R	J2-R	34	16	SPARE
P5-S	J2-S	35	16	SPARE



J3, P2, and P4 - JF1P3SB



J4 and J5 - MS3114E12-10P



EL9LQ-1000-131



P5-PT06SE-20-16SY (SR)

3-27. NIGHTSIDE OPTICAL ASSEMBLY 2A3A1 (cont)

3-27

CABLE ASSEMBLY 2A3A1W5 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
STM1	J2-G	26	16	CHASSI S GND
STM1	STM2	27	16	CHASSI S GND
STM2	P5-G	28	16	CHASSI S GND
STM2	STM1	27	16	CHASSI S GND
STP1	J1-20	46	22	SHI ELD
STP2	J3-C	47	22	SHI ELD

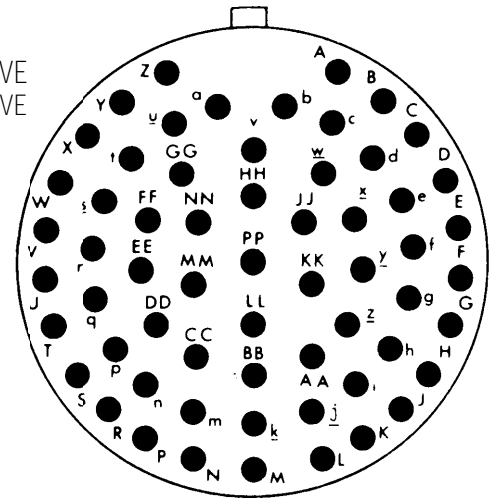


3-27. NIGHTSIDE OPTICAL ASSEMBLY 2A3A1 (cont)

3-27

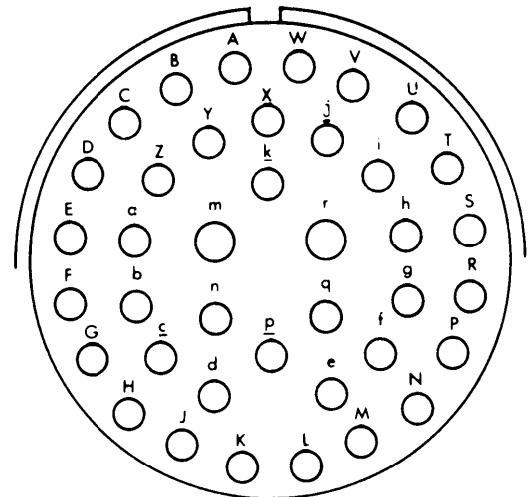
CABLE ASSEMBLY 2A3A1W6 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTION
J1-B	TP1	1	22	SIG GND
J1-E	TP2	7	22	+5 VDC
J1-P	TP16	16	22	I R SOURCE #2 T E DRIVE
J1-R	TP18	21	22	I R SOURCE #1 T E DRIVE
J1-AA	P5-6	30	22	NST2 D2
J1-BB	P8-2	31	22	NST EN2
J1-CC	P4-4	32	22	NST1 D4
J1-DD	P5-5	33	22	NST2 D3
J1-EE	P8-3	34	22	NST EN1
J1-FF	P4-5	35	22	NST1 D3
J1-GG	P5-4	36	22	NST2 D4
J1-JJ	P4-6	37	22	NST1 D2
J1-KK	P4-3	38	22	NST1 GH1
J1-LL	P7-B	39	22	NST2 DT0
J1-MM	P6-B	40	22	NST1 T0
J1-NN	P4-7	41	22	NST1 D1
J1-PP	P4-8	42	22	NST1 GH2
J1-j	P13-C	101	22	SGG
J1-k	P14-A	102	22	SH1
J1-p	P14-B	103	22	SH2
J1-q	P5-3	43	22	NST2 GH1
J1-s	P14-C	104	22	SHG
J1-u	P5-8	44	22	NST2 GH2
J1-x	P5-7	45	22	NST2 D1
J1-y	P13-A	99	22	SG1
J1-z	P13-B	100	22	SG2
J2-C	TP9	47	22	+28 VDC
J2-f	P8-6	57	22	NST 04
J2-g	P10-B	58	22	NST1 DT
J2-h	P8-9	59	22	NST 03
J2-i	P9-B	60	22	NST2 DT
J2-k	P8-7	61	22	NST 02
J2-n	P8-8	62	22	NST 01
J2-p	P1-B	63	22	NTCC
J2-q	P2-B	64	22	RTCC
J3-A	P11-A	65	18	SENSOR
J3-B	P11-B	66	18	SENSOR RTN
J3-C	P11-C	67	16	FAN AC
J3-D	P11-D	68	16	FAN AC
J3-E	TP18	22	16	I R SOURCE #1 T E DRIVE
J3-F	TP19	23	16	I R SOURCE #1 T E DRIVE
J3-G	STP3	71	18	CHASSI S GND
J3-H	P11-H	74	16	DRIVE RTN
J3-J	P11-J	75	16	DRIVE RTN



EL9LQ-1000-64B

J1-KP28F24-61P

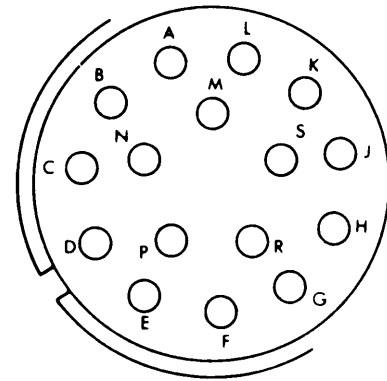


EL9LQ-1000-42A

J2-KP28F20-39S

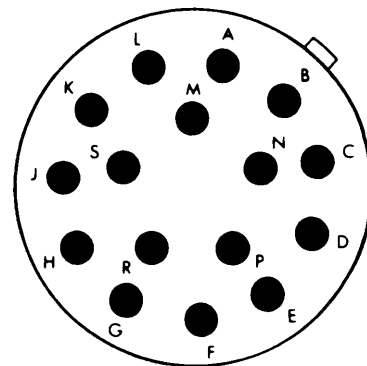
CABLE ASSEMBLY 2A3A1W6 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J3-K	P11-K	76	18	SENSOR DRIVE RTN
J3-L	P11-L	77	18	SENSOR DRIVE
J3-M	TEMP	121	18	SENSOR DRIVE
J3-N	TEMP	124	18	SENSOR RTN
J3-P	STP8	127	22	GND
J3-R	TEMP	121	18	SENSOR
J3-S	TEMP	124	18	SENSOR DRIVE RTN
J4-A	P12-A	85	18	SENSOR
J4-B	P12-B	86	18	SENSOR RTN
J4-C	TP28	87	16	FAN AC
J4-D	TP29	88	16	FAN AC
J4-E	TP16	17	16	I R SOURCE #2 T E DRIVE
J4-F	TP17	18	16	I R SOURCE #2 T E DRIVE
J4-G	STP5	92	18	CHASSI S GND
J4-H	P12-H	95	16	DRIVE RTN
J4-J	P12-J	96	16	DRIVE RTN
J4-K	P12-K	97	18	SENSOR DRIVE RTN
J4-L	P12-L	98	18	SENSOR DRIVE
P1-A	TP9	48	22	+28 VDC
P1-B	J2-p	63	22	NTCC
P2-A	TP9	49	22	+28 VDC
P2-B	J2-q	64	22	RTCC
P4-1	TP2	8	22	+5 VDC
P4-2	TP1	2	22	SIG GND
P4-3	J1-KK	38	22	NST1 GH1
P4-4	J1-CC	32	22	NST1 D4
P4-5	J1-FF	35	22	NST1 D3
P4-6	J1-JJ	37	22	NST1 D2
P4-7	J1-NN	41	22	NST1 D1
P4-8	J1-PP	42	22	NST1 GH2
P5-1	TP2	9	22	+5 VDC
P5-2	TP1	3	22	SIG GND
P5-3	J1-q	43	22	NST2 GH1
P5-4	J1-GG	36	22	NST2 D4
P5-5	J1-DD	33	22	NST2 D3
P5-6	J1-AA	30	22	NST2 D2
P5-7	J1-x	45	22	NST2 D1
P5-8	J1-u	44	22	NST2 GH2
P6-A	TP2	10	22	+5 VDC
P6-B	J1-MM	40	22	NST1 DTO



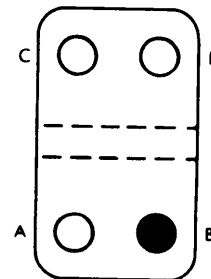
EL9LQ-1000-31A

**J3-KP28F20-16PW**



EL9LQ-1000-132

**J4-KP28F20-16PX**



EL9LQ-1000-133

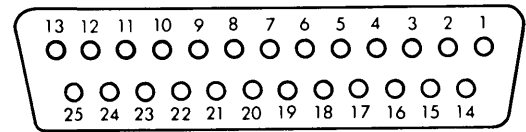
**P1 and P2 - JF3S-1P-ACD**

3-27. NIGHTSIDE OPTICAL ASSEMBLY 2A3A1 (cont)

3-27

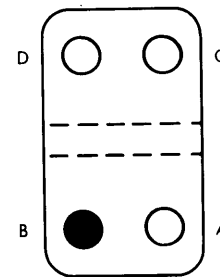
CABLE ASSEMBLY 2A3A1W6 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
P6-C	TP1	4	22	SIG GND
P7-A	TP2	11	22	+5 VDC
P7-B	J1-LL	39	22	NST2 DTO
P7-C	TP1	5	22	SIG GND
P8-2	J1-BB	31	22	NST EN2
P8-3	J1-EE	34	22	NST EN1
P8-4	TP1	6	22	SIG GND
P8-5	TP2	12	22	+5 VDC
P8-6	J2-f	57	22	NST O4
P8-7	J2-k	61	22	NST O2
P8-8	J2-n	62	22	NST O1
P8-9	J2-h	59	22	NST O3
P8-10	TP9	50	22	+28 VDC
P8-11	TP9	51	22	+28 VDC
P9-A	TP9	52	22	+28 VDC
P9-B	J2-i	60	22	NST2 DT
P10-A	TP9	53	22	+28 VDC
P10-B	J2-g	58	22	NST1 DT
P11-A	J3-A	65	18	SENSOR
P11-B	J3-B	66	18	SENSOR RTN
P11-c	J3-C	67	16	FAN AC
P11-D	J3-D	68	16	FAN AC
P11-E	TP18	24	16	IR SOURCE #1 T E DRIVE
P11-F	TP19	25	16	IR SOURCE #1 T E DRIVE
P11-G	STP4	71	18	CHASSIS GND
P11-H	J3-H	74	16	DRIVE RTN
P11-J	J3-J	75	16	DRIVE RTN
P11-K	J3-K	76	18	SENSOR DRIVE RTN
P11-L	J3-L	77	18	SENSOR DRIVE
P12-A	J4-A	85	18	SENSOR
P12-B	J4-B	86	18	SENSOR RTN
P12-C	TP28	89	16	FAN AC
P12-D	TP29	90	16	FAN AC
P12-E	TP16	19	16	IR SOURCE #2 T E DRIVE
P12-F	TP17	20	16	IR SOURCE #2 T E DRIVE
P12-G	STP6	94	18	CHASSIS GND
P12-H	J4-H	95	16	DRIVE RTN
P12-J	J4-J	96	16	DRIVE RTN
P12-K	J4-K	97	18	SENSOR DRIVE RTN
P12-L	J4-L	98	18	SENSOR DRIVE
P13-A	J1-y	99	22	SG1
P13-B	J1-z	100	22	SG2
P13-C	J1-j	101	22	SGG
P14-A	J1-k	102	22	SH1
P14-B	J1-p	103	22	SH2



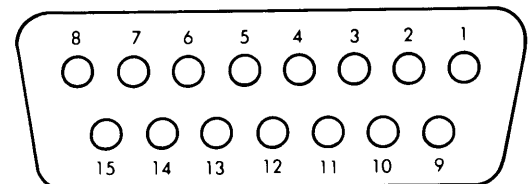
EL9LQ-1000-11

P4 and P5 - M24308/2-3F



EL9LQ-1000-4A

P6, P7, and P16 - JF35-1P-ACD

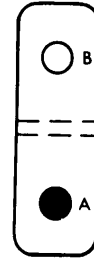


EL9LQ-1000-5

P8 - M24308/2-2F

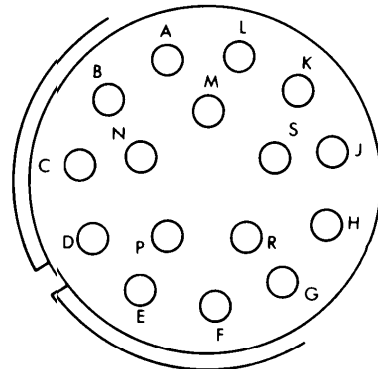
CABLE ASSEMBLY 2A3A1W6 WIRE LIST (cont)

FROM	TO	WI RE ID	WI RE SIZE	SIGNAL/FUNCTION
P14-C	J1-s	104	22	SHG
P16-A	TP28	120	22	FAN AC
P16-C	TP29	119	22	FAN AC
STP3	J3-G	71	18	CHASSIS GND
STP3	STP4	72	18	CHASSIS GND
STP4	STP3	72	18	CHASSIS GND
STP4	P11-G	73	18	CHASSIS GND
STP5	J4-G	92	18	CHASSIS GND
STP5	STP6	93	18	CHASSIS GND
STP6	STP5	93	18	CHASSIS GND
STP6	P12-G	94	18	CHASSIS GND
STP8	J3-P	127	22	GND
TP1	J1-B	1	22	SIG GND
TP1	P4-2	2	22	SIG GND
TP1	P5-2	3	22	SIG GND
TP1	P6-C	4	22	SIG GND
TP1	P7-C	5	22	SIG GND
TP1	P8-4	6	22	SIG GND
TP2	J1-E	7	22	+5 VDC
TP2	P4-1	8	22	+5 VDC
TP2	P5-1	9	22	+5 VDC
TP2	P6-A	10	22	+5 VDC
TP2	P7-A	11	22	+5 VDC
TP2	P8-5	12	22	+5 VDC
TP9	J2-C	47	22	+28 VDC
TP9	P1-A	48	22	+28 VDC
TP9	P2-A	49	22	+28 VDC
TP9	P8-10	50	22	+28 VDC
TP9	P8-11	51	22	+28 VDC
TP9	P9-A	52	22	+28 VDC
TP9	P10-A	53	22	+28 VDC
TP16	J1-P	16	22	IR SOURCE #2 T E DRIVE
TP16	J4-E	17	16	IR SOURCE #2 T E DRIVE
TP16	P12-E	19	16	IR SOURCE #2 T E DRIVE
TP16	TP17	130	16	IR SOURCE #2 T E DRIVE
TP17	J4-F	18	16	IR SOURCE #2 T E DRIVE
TP17	P12-F	20	16	IR SOURCE #2 T E DRIVE
TP17	TP16	130	16	IR SOURCE #2 T E DRIVE
TP18	J1-R	21	22	IR SOURCE #1 T E DRIVE
TP18	J3-E	22	16	IR SOURCE #1 T E DRIVE
TP18	P11-E	24	16	IR SOURCE #1 T E DRIVE
TP18	TP19	131	16	IR SOURCE #1 T E DRIVE
TP19	J3-F	23	16	IR SOURCE #1 T E DRIVE
TP19	P11-F	25	16	IR SOURCE #1 T E DRIVE
TP19	TP18	131	16	IR SOURCE #1 T E DRIVE




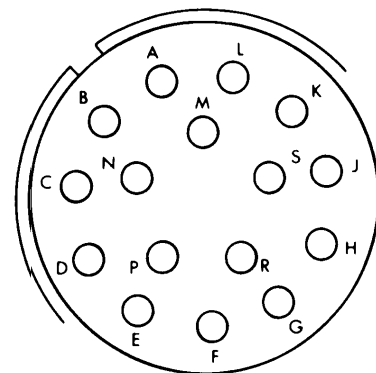
EL9LQ-1000-12

P9 and P10 - JF1P-1S-A




EL9LQ-1000-31A

P11-PT06SE-20-16SW(SR) 



EL9LQ-1000-132

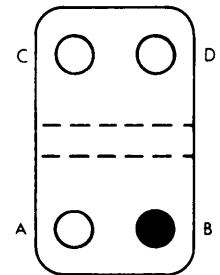
P12-PT06SE-20-16SX(SR) 

3-27. NIGHTSIDE OPTICAL ASSEMBLY 2A3A1 (cont)

3-27

CABLE ASSEMBLY 2A3A1W6 WIRE LIST (cont)

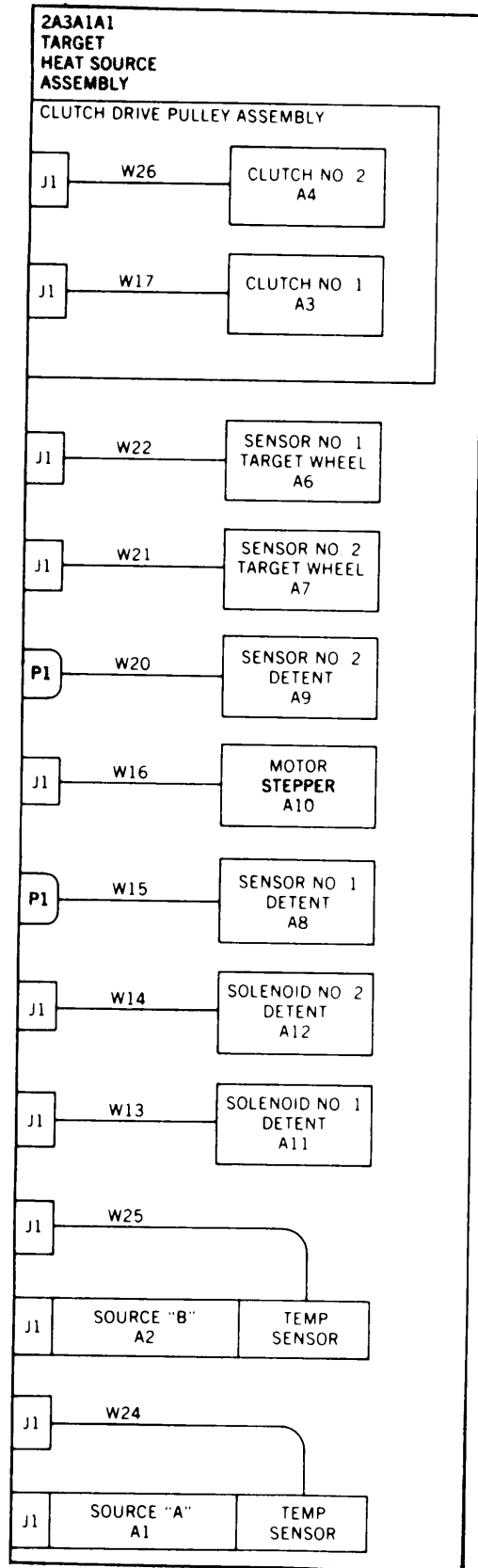
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
TP28	J4-C	87	16	FAN AC
TP28	P12-C	89	16	FAN AC
TP28	P16-A	120	22	FAN AC
TP29	P4-D	88	16	FAN AC
TP29	P12-D	90	16	FAN AC
TP29	P16-C	119	22	FAN AC
TEMP SENSOR	J3-M	121	18	SENSOR DRI VE
TEMP SENSOR	J3-N	124	18	SENSOR RTN
TEMP SENSOR	J3-R	121	18	SENSOR
TEMP SENSOR	J3-S	124	18	SENSOR DRI VE RTN



EL9LQ-1000-137

**P13 and P14 - JF1P-3SB**

**INTERCONNECTION DIAGRAM**



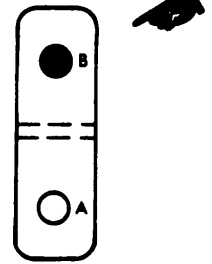
EL9LQ 1010-8B

3-28. HEAT SOURCE TARGET ASSEMBLY 2A3A1A1 (cont)

3-28

CABLE ASSEMBLY 2A3A1A1W13 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	L1		22	+28 VDC
J1-B	L1		22	<del>NST2 DT</del>

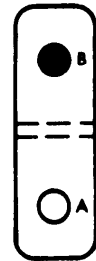


EL9LQ-1000-12

J1 - JF1P-1S-A

CABLE ASSEMBLY 2A3A1A1W14 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	L1		22	+28 VDC
J1-B	L1		22	NST2 DT

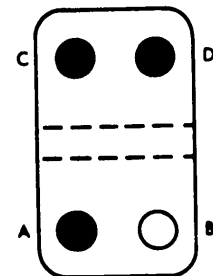


EL9LQ-1000-12

J1 - JF1P-1S-A

CABLE ASSEMBLY 2A3A1A1W15 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	A1-1	1	22	+5 VDC
J1-B	A1-4	2	22	NST1 DT0
J1-C	A1-3	3	22	SIG GND



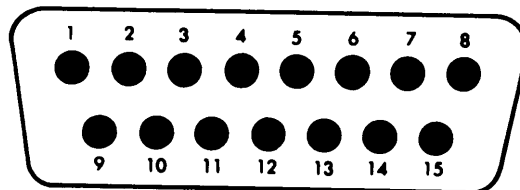
EL9LQ-1000-133A

J1 - JF3P-1S-ACD

3-28. HEAT SOURCE TARGET ASSEMBLY 2A3A1A1 (cont)

CABLE ASSEMBLY 2A3A1A1W16 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
M1-BRN	J1-1	1		
M1-BLU	J1-2	2		NST EN2
M1-WHT	J1-3	3		NST EN1
M1-BLK	J1-4	4		SI G GND
M1-RED	J1-5	5		+5 VDC
M1-WT/RD	J1-6	6		NST 04
M1-RED	J1-7	7		NST 02
M1-GRN	J1-8	8		NST 01
M1-WT/GN	J1-9	9		NST 03
M1-BLK	J1-10	10		+28 VDC
M1-WHT	J1-11	11		+28 VDC
J1-1	M1-BRN	1		
J1-2	M1-BLU	2		NST EN2
J1-3	M1-WHT	3		NST EN1
J1-4	M1-BLK	4		SI G GND
J1-5	M1-RED	5		+5 VDC
J1-6	M1-WT/RD	6		NST 04
J1-7	M1-RED	7		NST 02
J1-8	M1-GRN	8		NST 01
J1-9	M1-WT/GN	9		NST 03
J1-10	M1-BLK	10		+28 VDC
J1-11	M1-WHT	11		+28 VDC

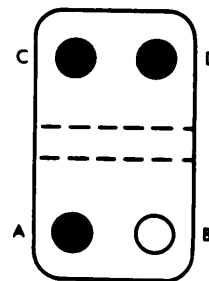


EL9LQ-1000-5

J1 - M24308/4-2

CABLE ASSEMBLY 2A3A1A1W17 HI RE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	CLUTCH 1	1	22	+28 VDC
J1-B	CLUTCH 2	2	22	NTCC



EL9LQ-1000-133A

J1 - JF3P-1S-ACD

CABLE ASSEMBLY 2A3A1A1W20 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	A1-1	1	22	<b>+5 VDC</b>
J1-B	A1-4	2	22	<b>NST2 DTO</b>
J1-C	A1-3	3	22	SI G GND

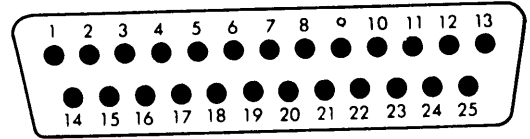


3-28. HEAT SOURCE TARGET ASSEMBLY 2A3A1A1 (cont)

3-28

CABLE ASSEMBLY 2A3A1A1W21 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
A1	J1-1	1	22	+5 VDC
A1	J1-2	2	22	SIG GND
A1	J1-3	3	22	NST2 GH1
A2	J1-4	4	22	NST2 D4
A3	J1-5	5	22	NST2 D3
A4	J1-6	6	22	NST2 D2
A5	J1-7	7	22	NST2 D1
A6	J1-8	8	22	NST2 GH2
J1-1	A1	1	22	+5 VDC
J1-2	A1	2	22	SIG GND
J1-3	A1	3	22	NST2 GH1
J1-4	A2	4	22	NST2 D4
J1-5	A3	5	22	NST2 D3
J1-6	A4	6	22	NST2 D2
J1-7	A5	7	22	NST2 D1
J1-8	A6	8	22	NST2 GH2

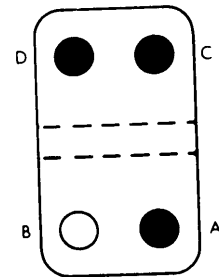


EL9LQ-1000-11

J1 - M24308/4-3F

CABLE ASSEMBLY 2A3A1A1W24 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J1-A	E3	1	22	ADJ
J1-B	E1	2	22	OUTPUT
J1-C	E2	3	22	GND
J1-D	SPARE		22	



EL9LQ-1000-61B

J1 - JF1S-3PB

CABLE ASSEMBLY 2A3A1A1W25 WIRE LIST

FROM	TO	WI RE ID	WI RE SIZE	SI GNAL/FUNCTI ON
J1-A	E3	1	22	ADJ
J1-B	E1	2	22	OUTPUT
J1-C	E2	3	22	GND
J1-D	SPARE		22	

3-28. HEAT SOURCE TARGET ASSEMBLY 2A3A1A1 (cont)

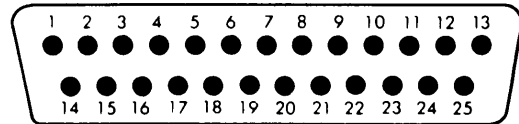
3-28

CABLE ASSEMBLY 2A3A1A1W26 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	CLUTCH 1		22	
J1-B	CLUTCH 2		22	

CABLE ASSEMBLY 2A3A1A1A6W22 WIRE LIST

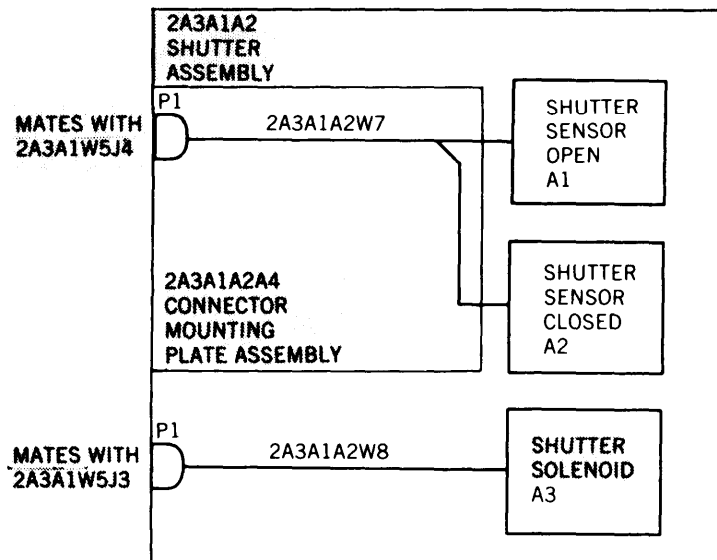
FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A1	J1-1	1	22	+5 VDC
A1	J1-2	2	22	SIG GND
A1	J1-3	3	22	NST2 GH1
A2	J1-4	4	22	NST2 D4
A3	J1-5	5	22	NST2 D3
A4	J1-6	6	22	NST2 D2
A5	J1-7	7	22	NST1 D1
A6	J1-8	8	22	NST2 GH2
J1-1	A1	1	22	+5 VDC
J1-2	A1	2	22	SIG GND
J1-3	A1	3	22	NST2 GH1
J1-4	A2	4	22	NST2 D4
J1-5	A3	5	22	NST2 D3
J1-6	A4	6	22	NST2 D2
J1-7	A5	7	22	NST1 D1
J1-8	A6	8	22	NST2 GH2



EL9LQ-1000-11

**J1 - M24308/4-3F**

INTERCONNECTION DIAGRAM



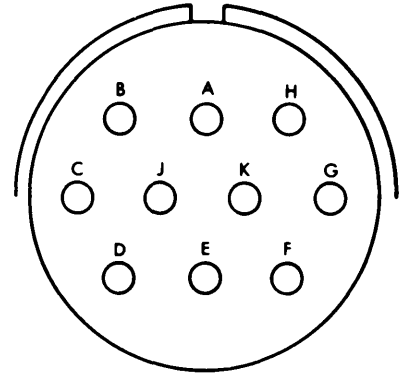
EL9LQ-1010-31A

3-29. SHUTTER ASSEMBLY 2A3A1A2 (cont)

3-29

CABLE ASSEMBLY 2A3A1A2W7 HI RE LI ST

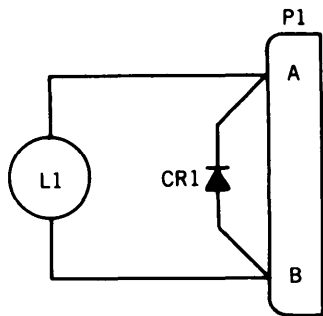
FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
A1-1	P1-A	1	22	+5 VDC
A1-3	P1-B	2	22	GND
A1-4	P1-c	3	22	V OUT
A2-1	P1-D	4	22	+5 VDC
A2-3	P1-E	5	22	GND
A2-4	P1-F	6	22	V OUT
P1-A	A11-1	1	22	+5 VDC
P1-B	A1-3	2	22	GND
P1-c	A1-4	3	22	V OUT
P1-D	A2-1	4	22	+5 VDC
P1-E	A2-3	5	22	GND
P1-F	A2-4	6	22	V OUT



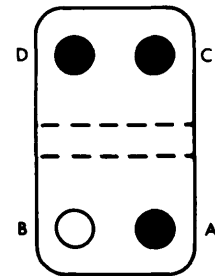
EL9LQ-1000-14

**P1 - MS3116E12-10S**

CABLE ASSEMBLY 2A3A1A2W8 WI RE DI AGRAM



EL9LQ-1010-32



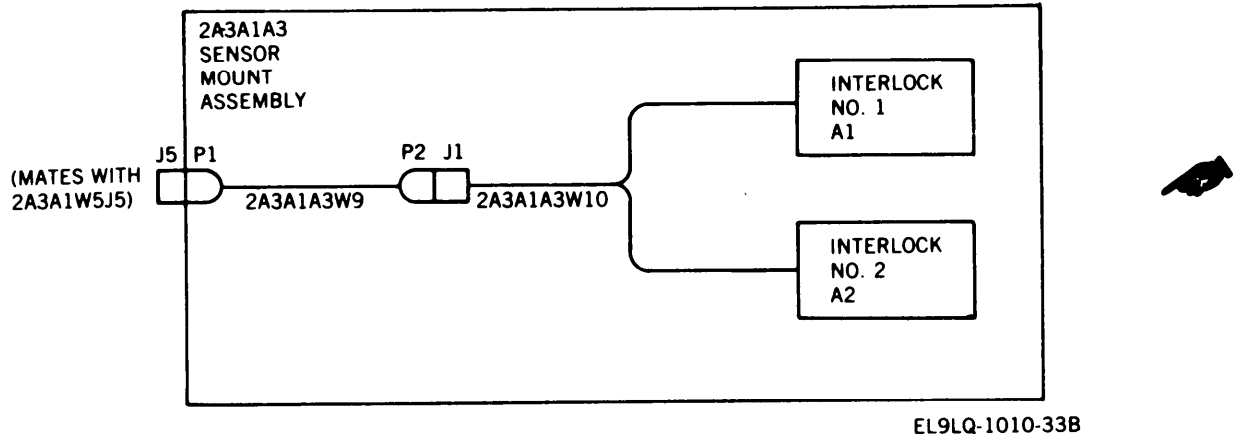
EL9LQ-1000-61B

**J1 - JF1S-3PB**

3-30. SENSOR MOUNT ASSEMBLY 2A3A1A3 (cont)

3-30

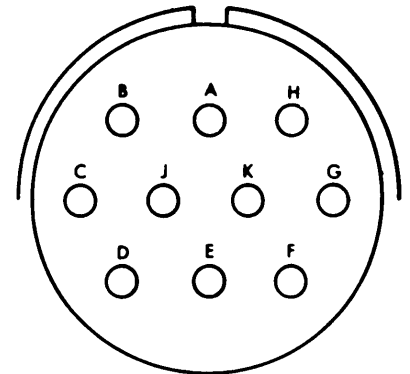
INTERCONNECTION DIAGRAM



EL9LQ-1010-33B

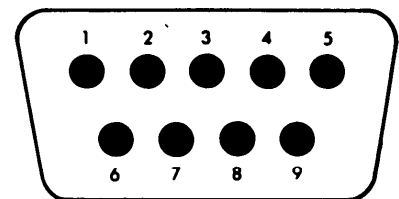
CABLE ASSEMBLY 2A3A1A3W9 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
P1-A	P2-1	1	22	+5 VDC
P1-B	P2-2	2	22	INTERLOCK #1
P1-C	P2-3	3	22	SIG GND
P1-D	P2-4	4	22	+5 VDC
P1-E	P2-5	5	22	INTERLOCK #2
P1-F	P2-6	6	22	SIG GND
P2-1	P1-A	1	22	+5 VDC
P2-2	P1-B	2	22	INTERLOCK #1
P2-3	P1-c	3	22	SIG GND
P2-4	P1-D	4	22	+5 VDC
P2-5	P1-E	5	22	INTERLOCK #2
P2-6	P1-F	6	22	SIG GND



EL9LQ-1000-14

P1 - MS3116E12-10S



EL9LQ-1000-10

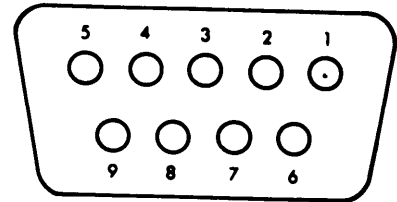
P2 - M24308/4-1

3-30. SENSOR MOUNT ASSEMBLY 2A3A1A3 (cont)

3-30

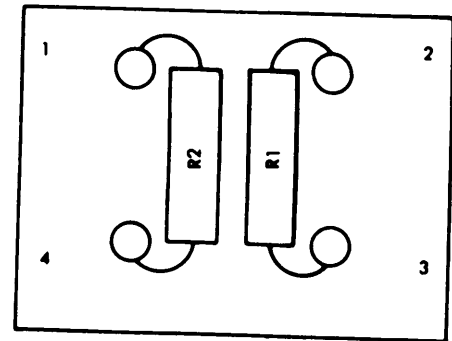
CABLE ASSEMBLY 2A3A1A3W10 WIRE LIST

FROM	TO	WI RE ID	WI RE SI ZE	SI GNAL/FUNCTI ON
A1-E1	J1-1		22	+5 VDC
A1-E3	J1-3		22	GND
A1-E4	J1-2		22	V OUT
A2-E1	J1-4		22	+5 VDC
A2-E3	J1-6		22	GND
A2-E4	J1-5		22	V OUT
J1-1	A1 -E1		22	+5 VDC
J1-2	A1-E4		22	V OUT
J1-3	A1-E3		22	GND
J1-4	A2-E1		22	+5 VDC
J1-5	A2-E4		22	V OUT
J1-6	A2-E3		22	GND



EL9LQ-1000-10

J1-M24308/2-1



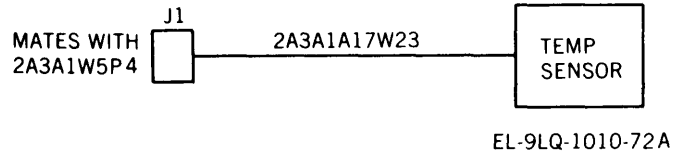
EL9LQ-1000-63A

A1 and A2 - 13082472

3-30.1 SECONDARY HEAT SOURCE ASSEMBLY 2A3A1A17

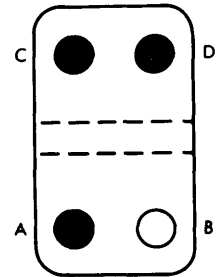
3-30.1

INTERCONNECTION DIAGRAM



CABLE ASSEMBLY 2A3A1A17W23 WIRE LIST

FROM	TO	WI RE I D	WI RE SI ZE	SI GNAL/FUNCTI ON
J1-A	E3	1	22	ADJ
J1-B	E1	2	22	OUTPUT
J1-C	E2	3	22	GND
J1-D	SPARE		22	



EL9LQ-1000-133A

J1 - JF1S-3PB





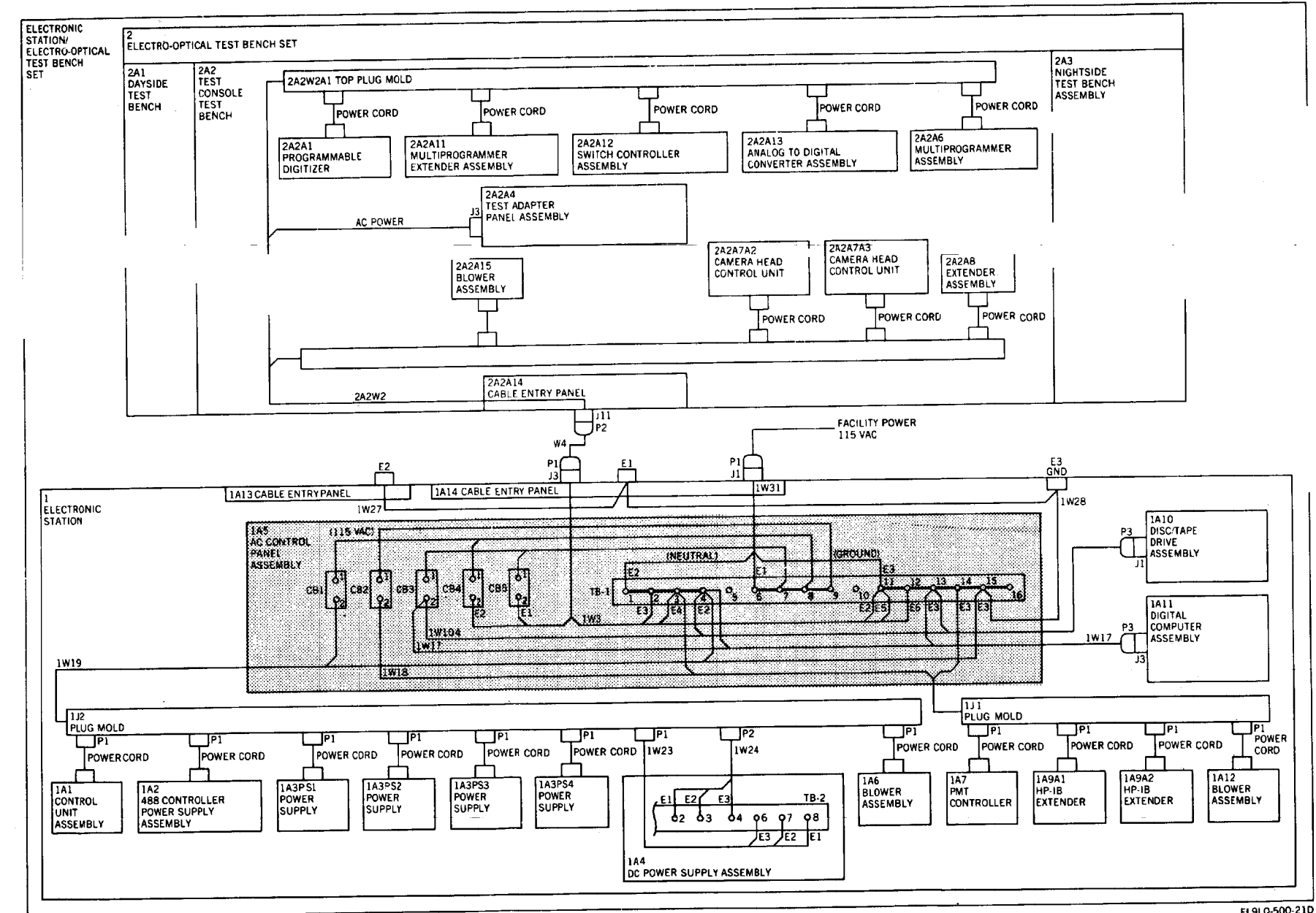


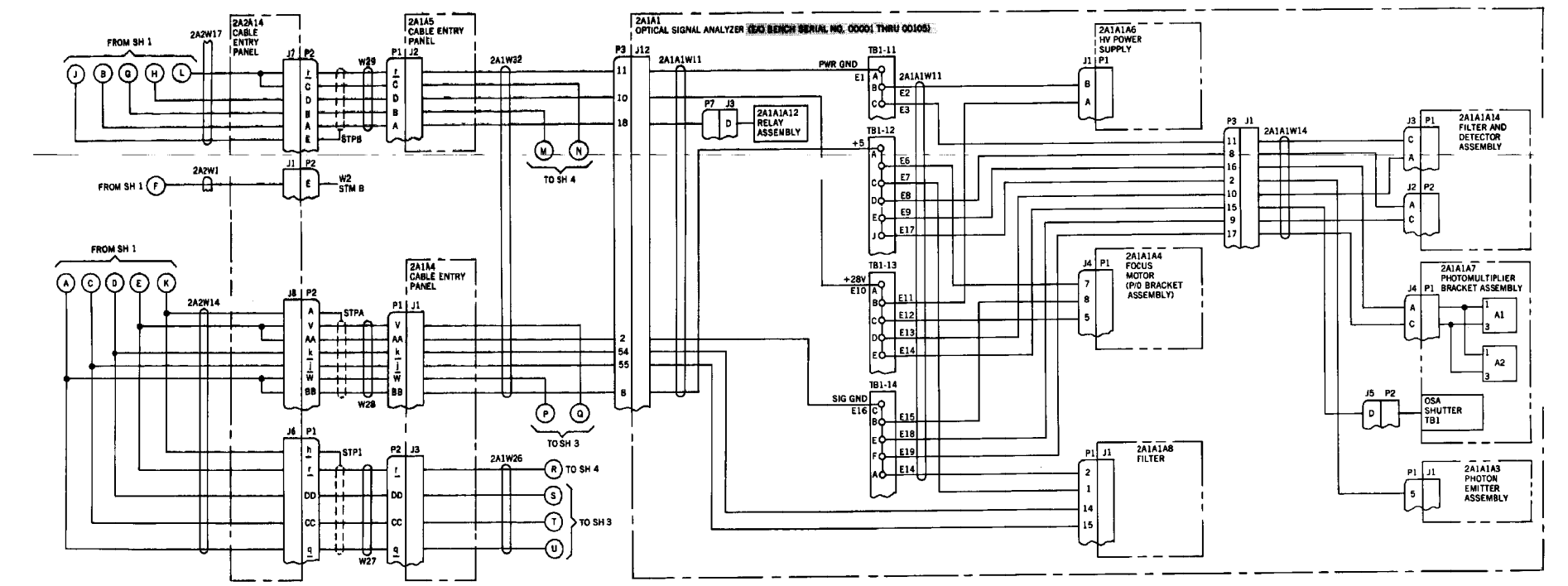
Figure F0-33. AC Power Distribution Diagram  
 Change 6 F0-41/(F0-42 blank)

EL9LQ-500-210





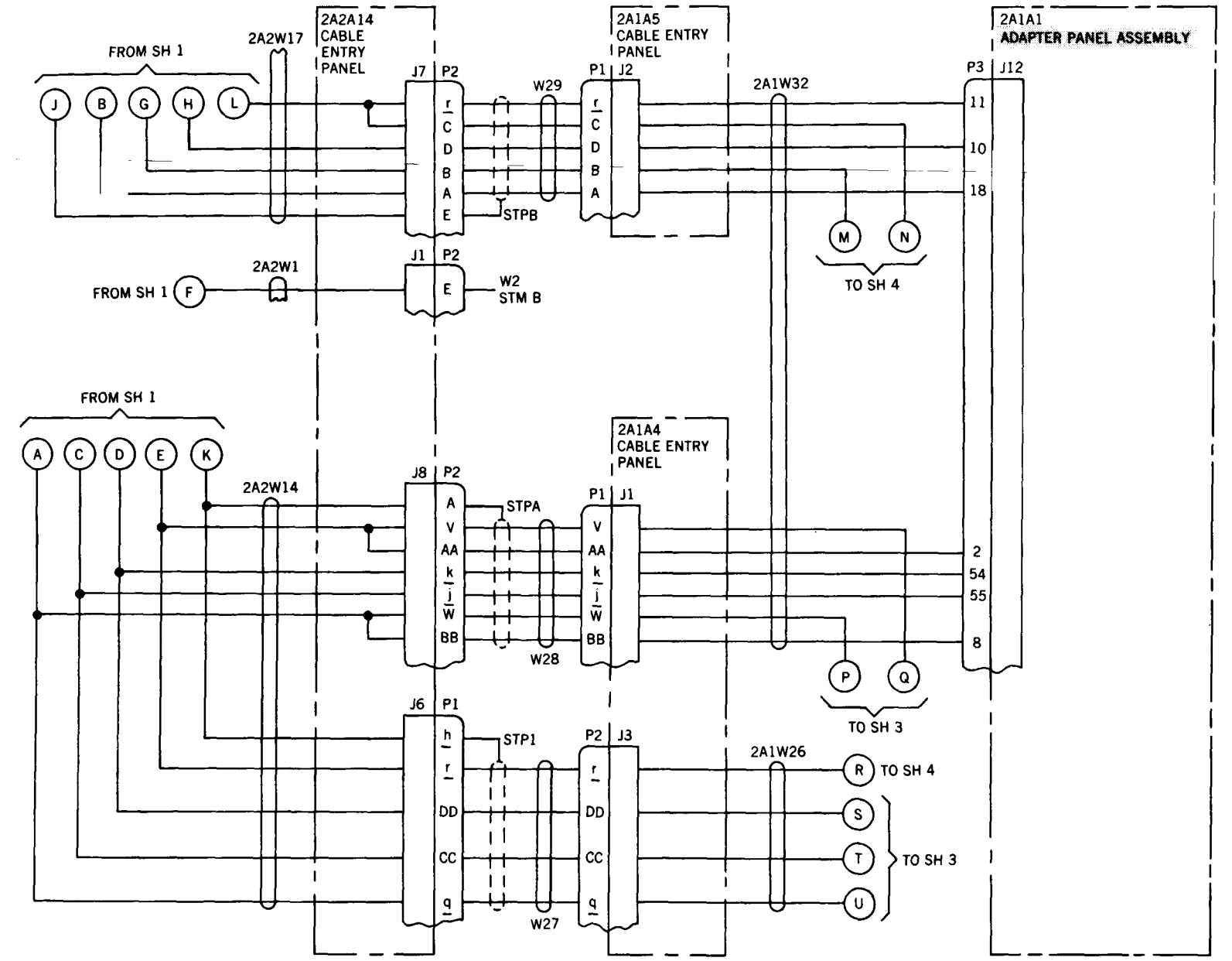




EL92-1100-84C

Figure F0-34. DC Power Distribution Diagram (Sheet 2 of 5)





EL9LQ-1100-110

Figure F0-34. DC Power Distribution Diagram (Sheet 2.1 of 5)





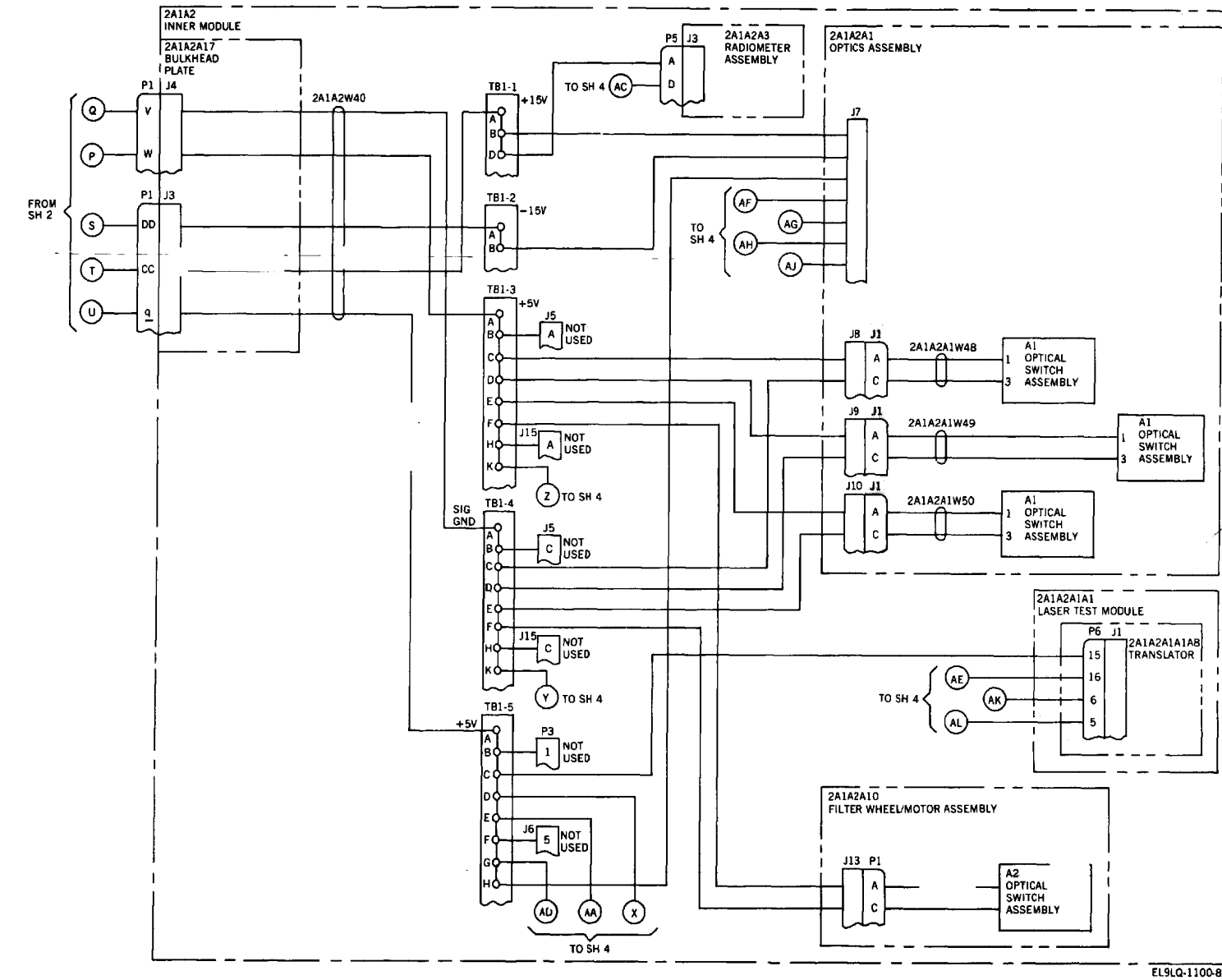


Figure FO-34. DC Power Distribution Diagram (Sheet 3 of 5)







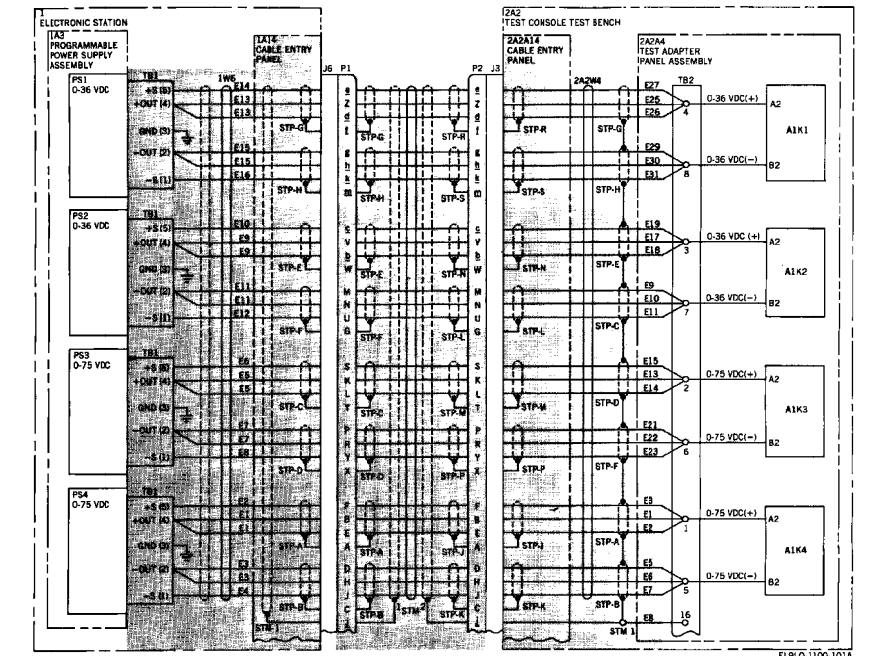
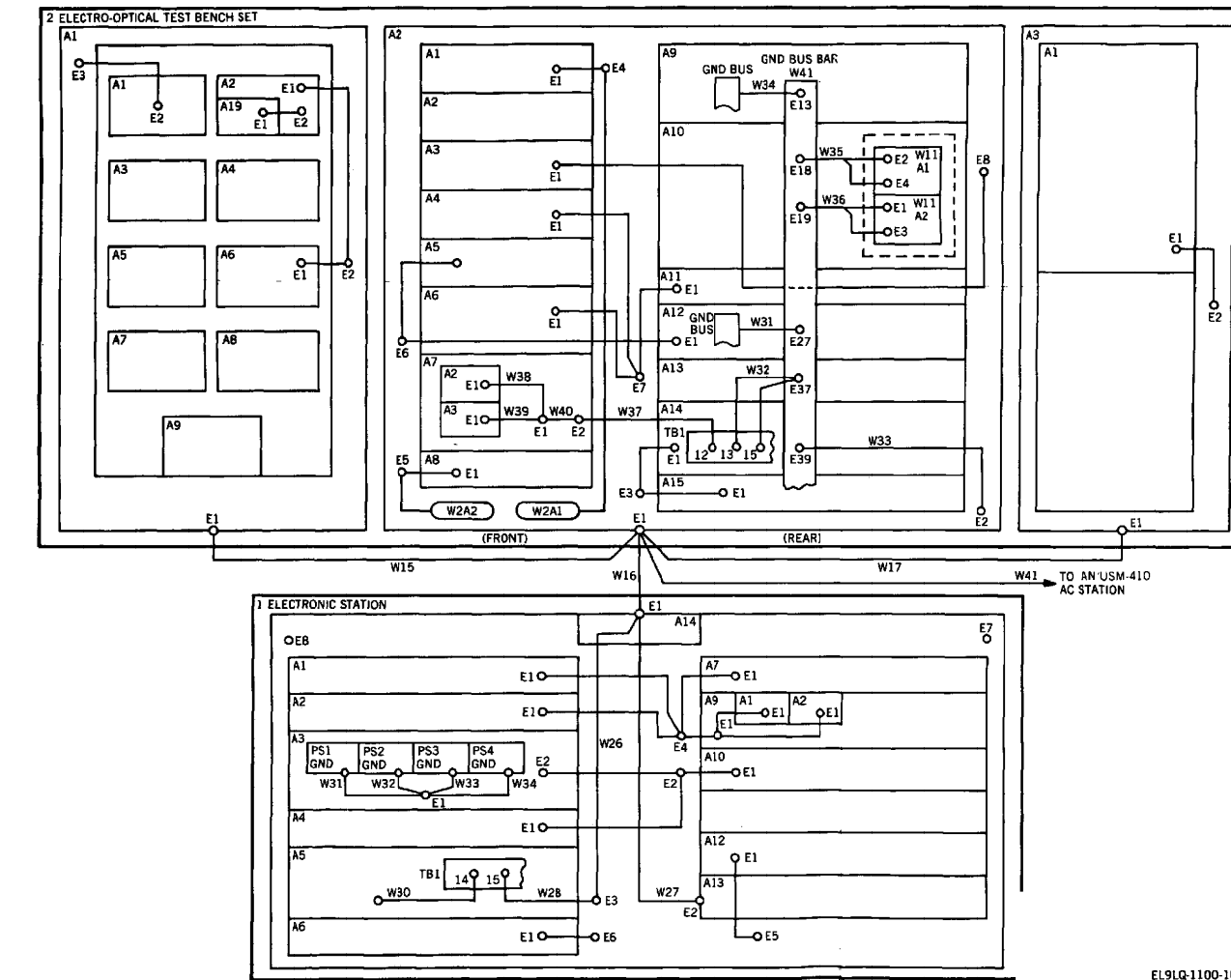


Figure FO-34. DC Power Distribution Diagram (Sheet 5 of 5)

Change 1 FO-51/(FO-52 blank)





EL91Q-1100-104

Figure FO-34.1. Chassis Ground Diagram

Change 1 F0-52.1/(52.2 blank)





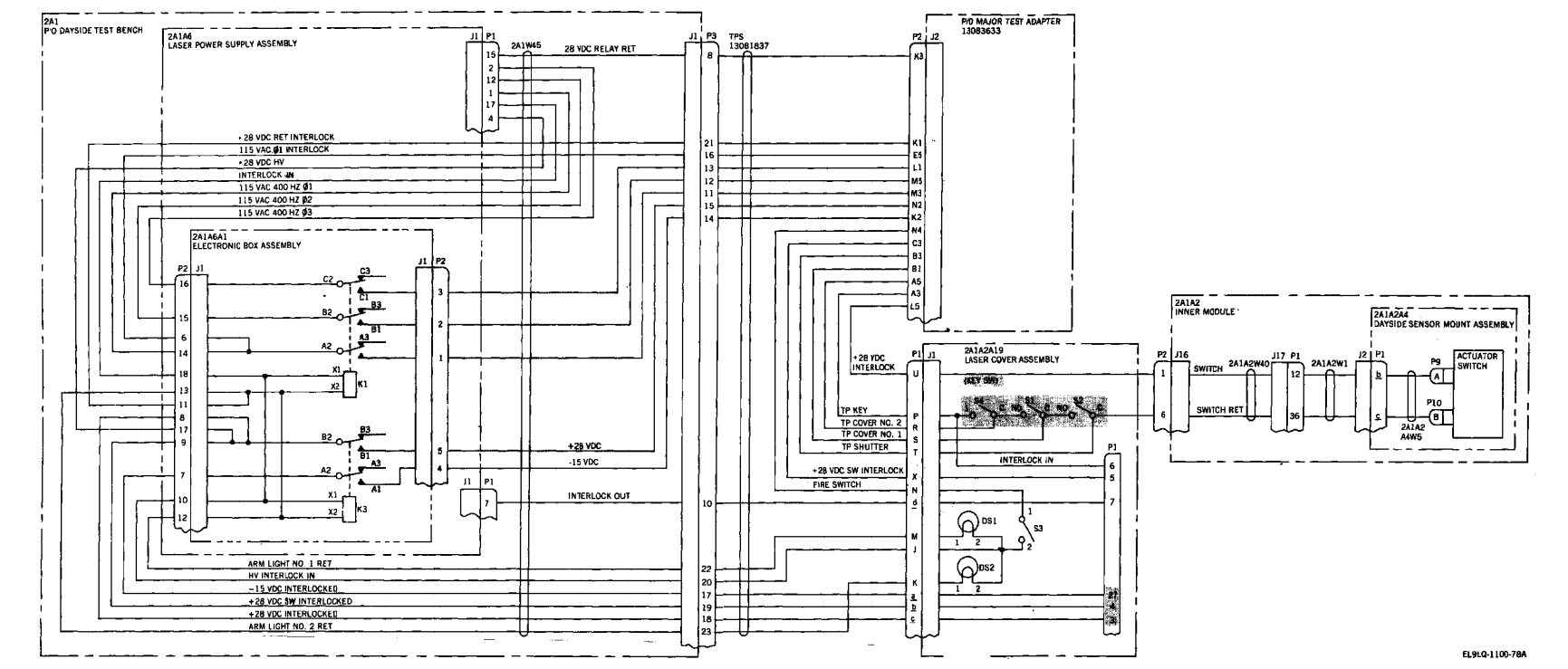


Figure FO-35. Laser Interlock Circuit Diagram  
Change 9 FO-53/(FO-54 blank)  
(FO-55 and FO-56 deleted)



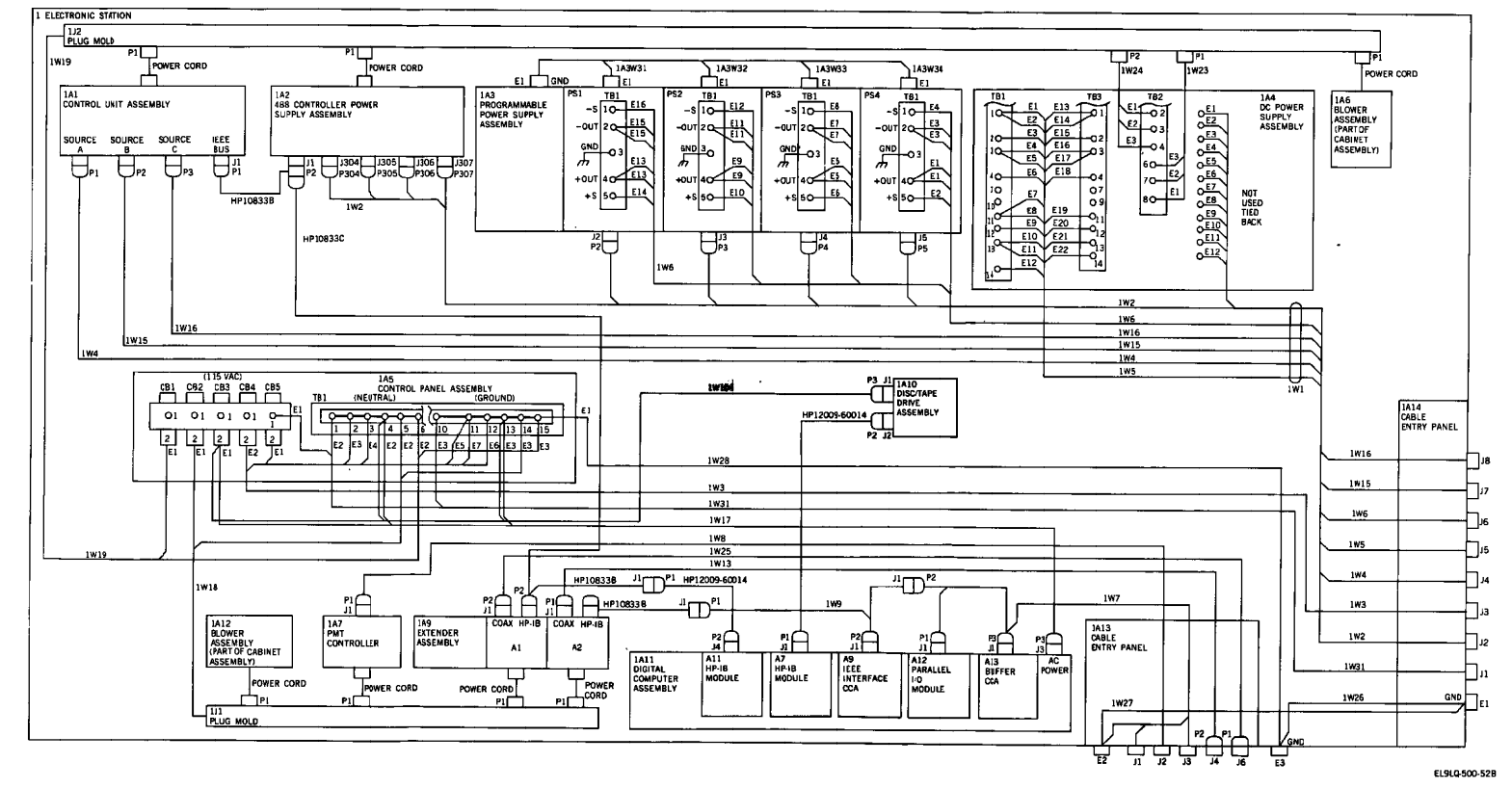


Figure FO-36.1 Electronic Station Interconnection Diagram (13082008-29) Change 16 FO-56.1/FO-56.2 Blank







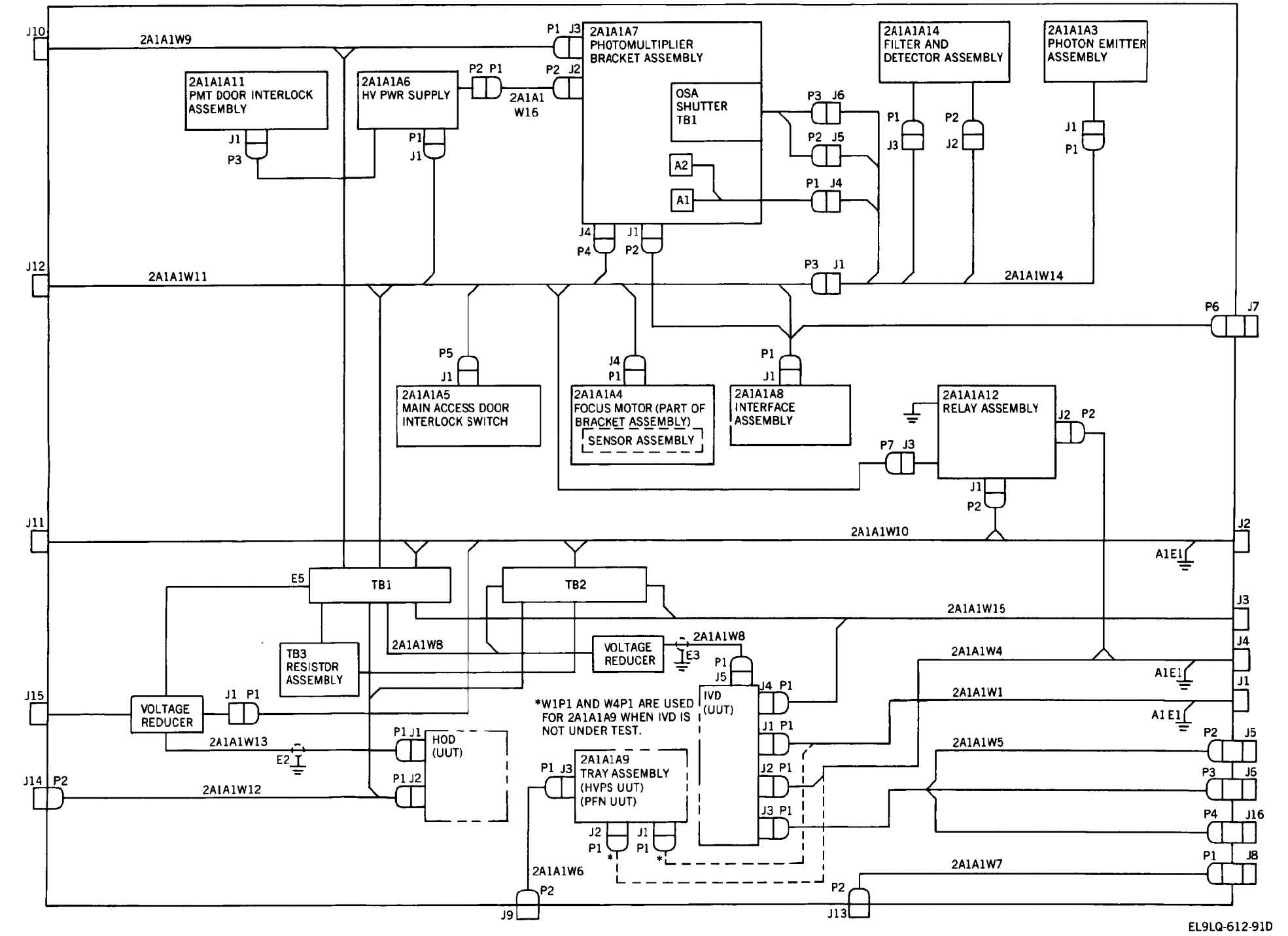
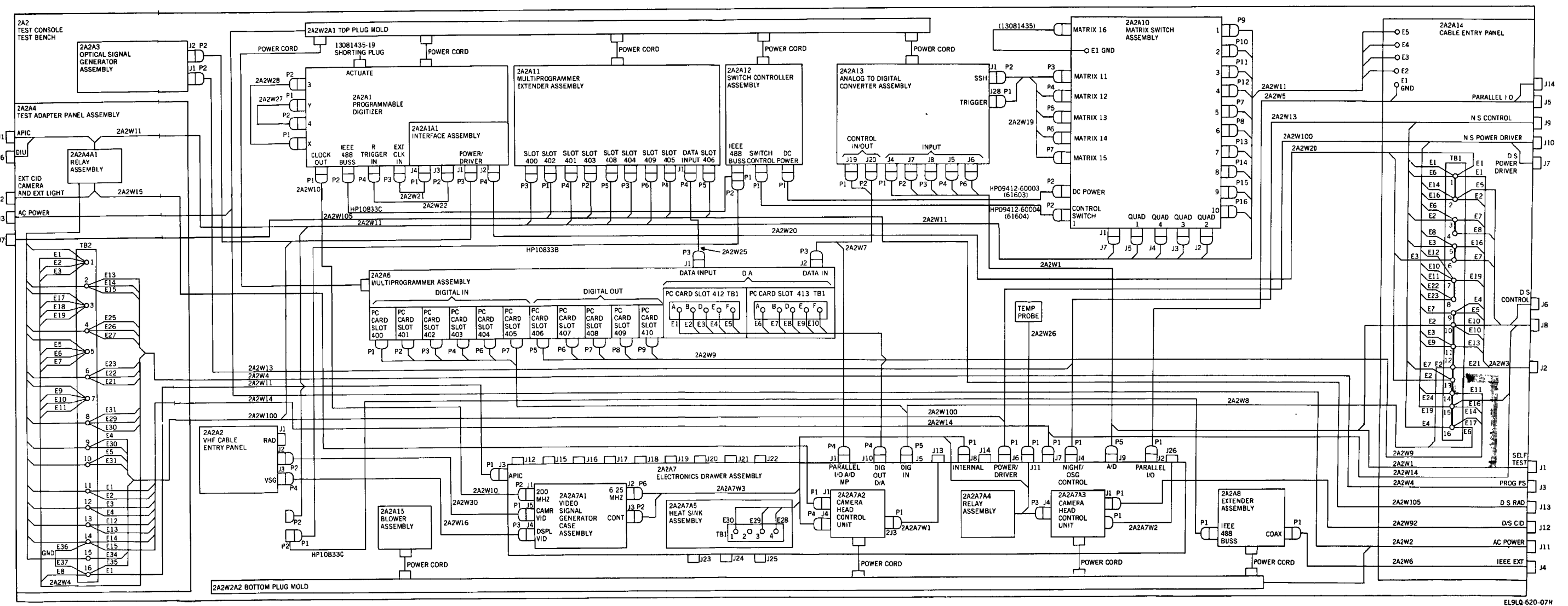


Figure FO-38. Optical Signal Analyzer 2A1A Interconnection Diagram (EO Bench with OSA Only)



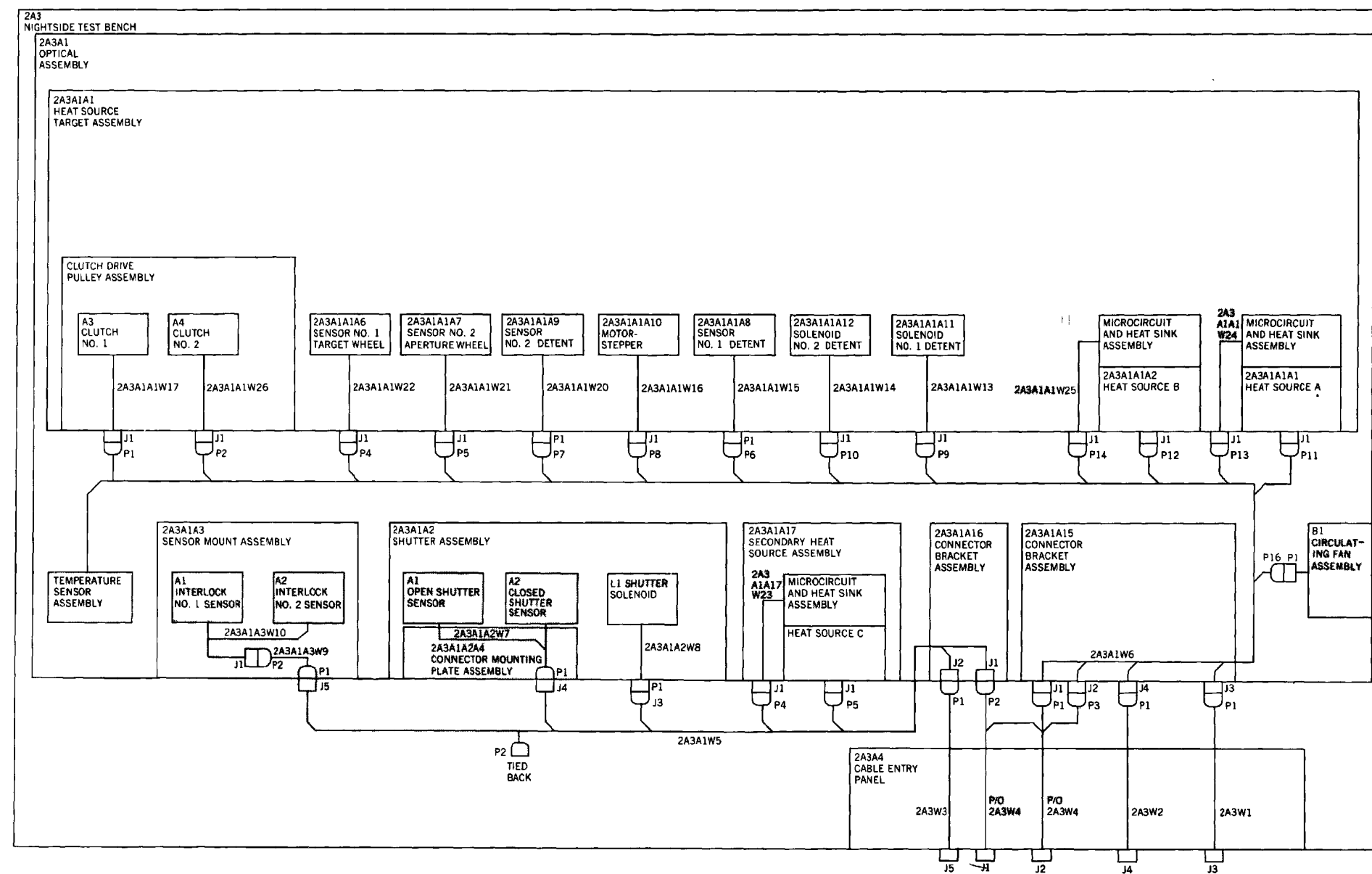




EL98-620-074

Figure FO-39. Test Console Test Bench 2A2 Interconnection Diagram  
Change 16 FO-61/(FO-62 blank)





EL9L0-640-01B

Figure FO-40. Nightside Test Bench 2A3 Interconnection Diagram



**SOMETHING WRONG WITH THIS PUBLICATION?**



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)  
 CDR, 1st Br, 65th ADA  
 ATTN: SP4 J. Brown  
 Key West, FL 33040

DATE SENT  
 10 Jun 79

PUBLICATION NUMBER  
 TM 9-1430-550-34-1

PUBLICATION DATE  
 7 Sep 72 .

PUBLICATION TITLE Unit of Radar Set  
 AN/MPQ-50 Tested at the HFC

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
9-19		9-5	
21-2	step 1C	21-2	

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

"B" Ready Relay K11 is shown with two #9 contacts. That contact which is wired to pin 8 of relay K16 should be changed to contact #10.

Reads: Multimeter B indicates 600 K ohms to 9000 K ohms.

Change to read: Multimeter B indicates 600 K ohms minimum.

Reason: Circuit being checked could measure infinity. Multimeter can read above 9000 K ohms and still be correct.

TEAR ALONG PERFORATED LINE

SAMPLE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SP4 J.T. Brown, Jr.

SIGN HERE

SP4 James Brown, Jr.

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ATTN: AMSAT-I-MP  
4300 GOODFELLOW BOULEVARD  
ST. LOUIS, MO 63120-1798

TEAR ALONG PERFORATED LINE



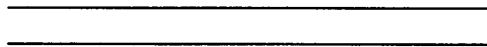
1 Nov 80

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1 Nov 80

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*Chief of Staff*

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