

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)**

FOR

**RF POWER METER,
BOONTON MODEL 42BD
(NSN 6625-01-050-8800)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

11 JUNE 1982

TECHNICAL MANUAL

No. 11-6625-2857-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 11 June 1982

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT

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(INCLUDING DEPOT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOLS)

FOR

RF POWER METER, BOONTON MODEL 42BD

(NSN 6625-01-050-8800)

Current as of 12 February 1982

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DR-SEL-ME-MQ, Fort Monmouth NJ 07703.

In either ease, a reply will be furnished direct to you.

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* This manual supersedes TM 11-2-27-24P, 1 December It.

SECTION I

INTRODUCTION

1. Scope

This minimal lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational direct support, and general support maintenance of the RF Power Meter, Boonton Model 42BD. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA -	Item procured and stocked for anticipated or known usage.
PD -	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
XA -	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XD -	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
O -	Support item is removed, replaced, used at the organizational level
F -	Support item is removed, replaced, used at the direct support level
D -	Support items that are removed, replaced, used at depot, mobile depot, specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (ie., all authorized maintenance functions). This position will contain one of the following maintenance codes: 1

- | <i>Code</i> | <i>Application/Explanation</i> |
|-------------|---|
| D | - The lowest maintenance level capable of complete repair of the support item is the depot level. |
| Z | - Nonreparable. No repair is authorized. |

(3) Recoverability code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

- | <i>Recoverability Code</i> | <i>Definition</i> |
|----------------------------|--|
| Z | - Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3. |
| L | - Repairable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level |

c. *National Stock Number.* Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. *Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-41/42 which is used to identify the manufacturer, distributor, or Government agency, etc.

e. *Part Number.* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

f. *Description.* Indicates the Federal item name and, if required, a minimum description to identify the item.

g. *Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. *Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. The following publication pertains to the RF Power Meter, Boonton Model 42BD and its components: TM 11-6625-2857-14, Manual for Micro WattMeter (Boonton Model 42BD) with Power Detector 41-4E.

b. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Communications-Electronics Materiel Readiness Command, and Fort Monmouth ATTN: DRSEL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4.1)

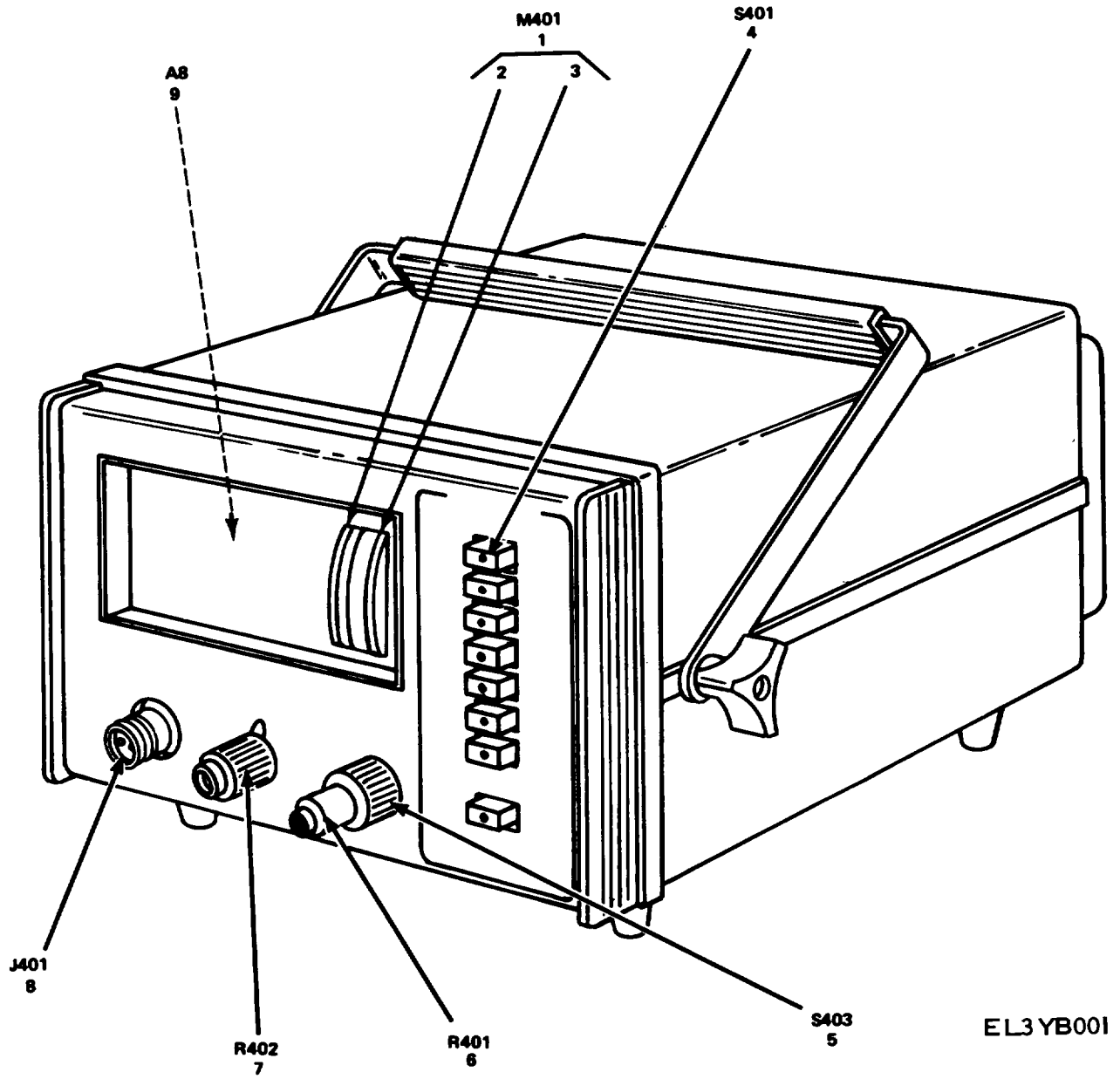
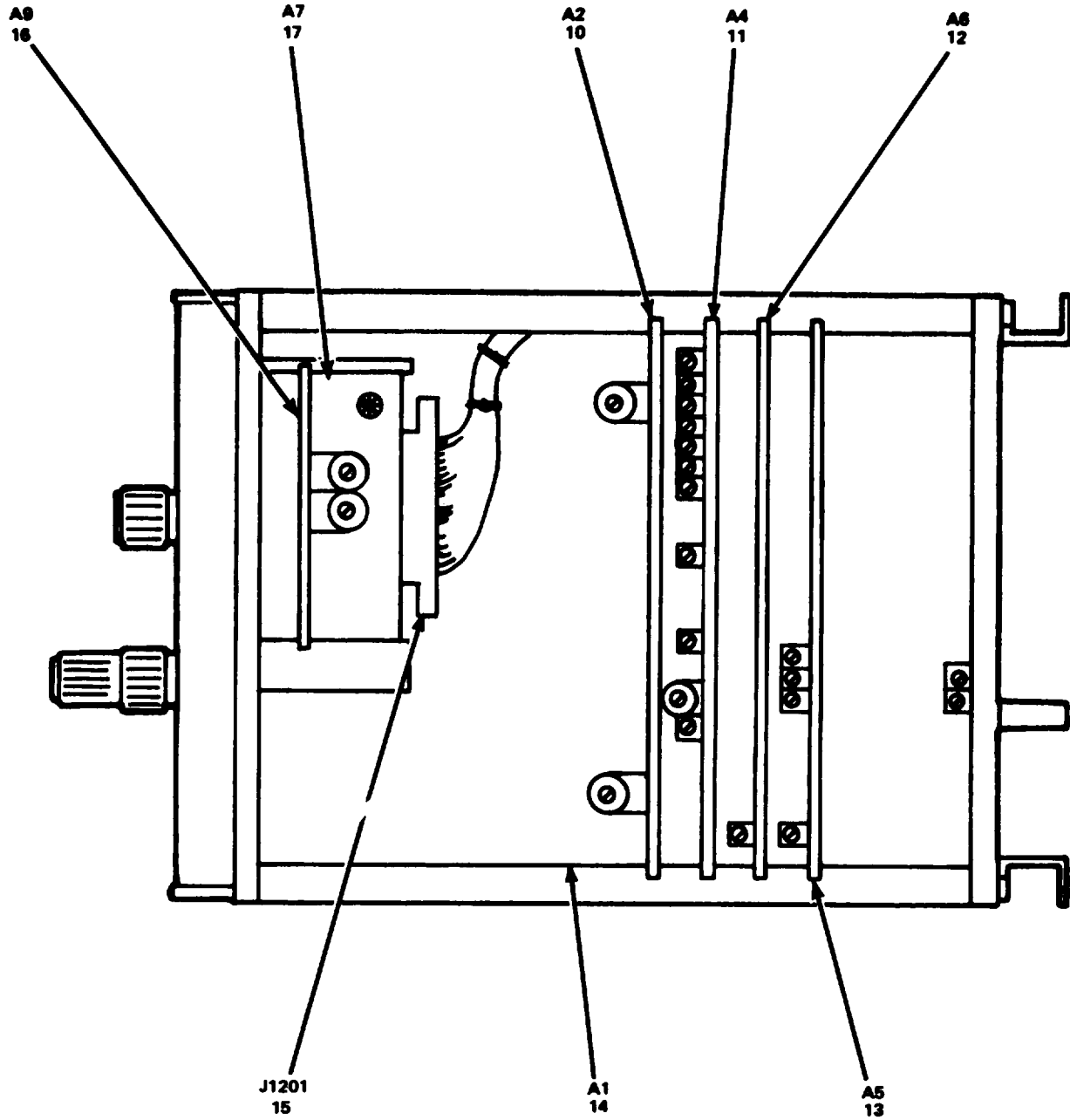
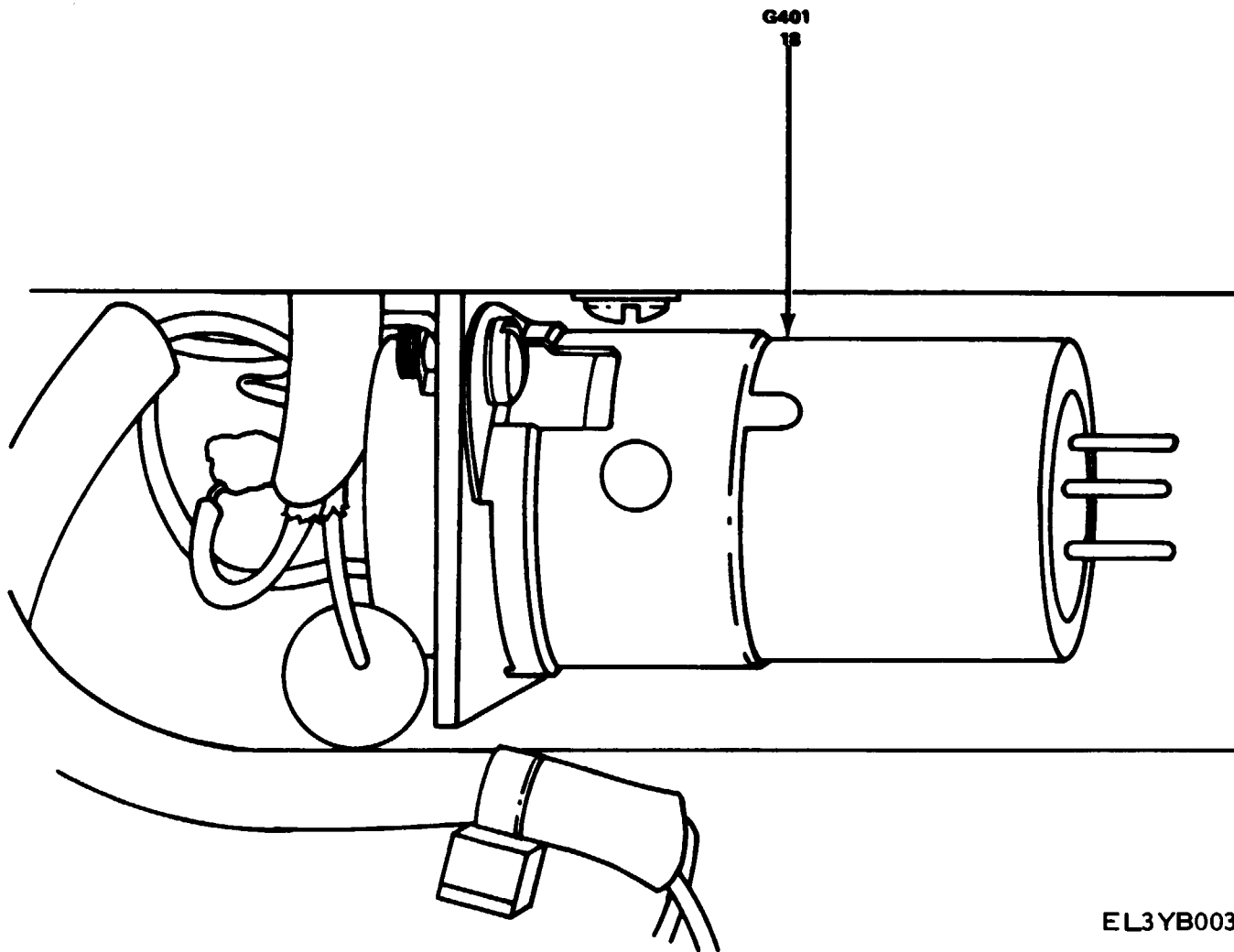


Figure 1. RF Power Meter, Boonton Model 42BD, Options 1 and 9 (Sheet 1 of 4).



EL3 YB002

Figure 1. RF Power Meter, Boonton Model 42BD, Options 1 and 9 (Sheet 2 of 4).



EL3YB003

Figure 1. RF Power Meter, Boonton Model 42BD, Options 1 and 9 (Sheet 3 of 4).

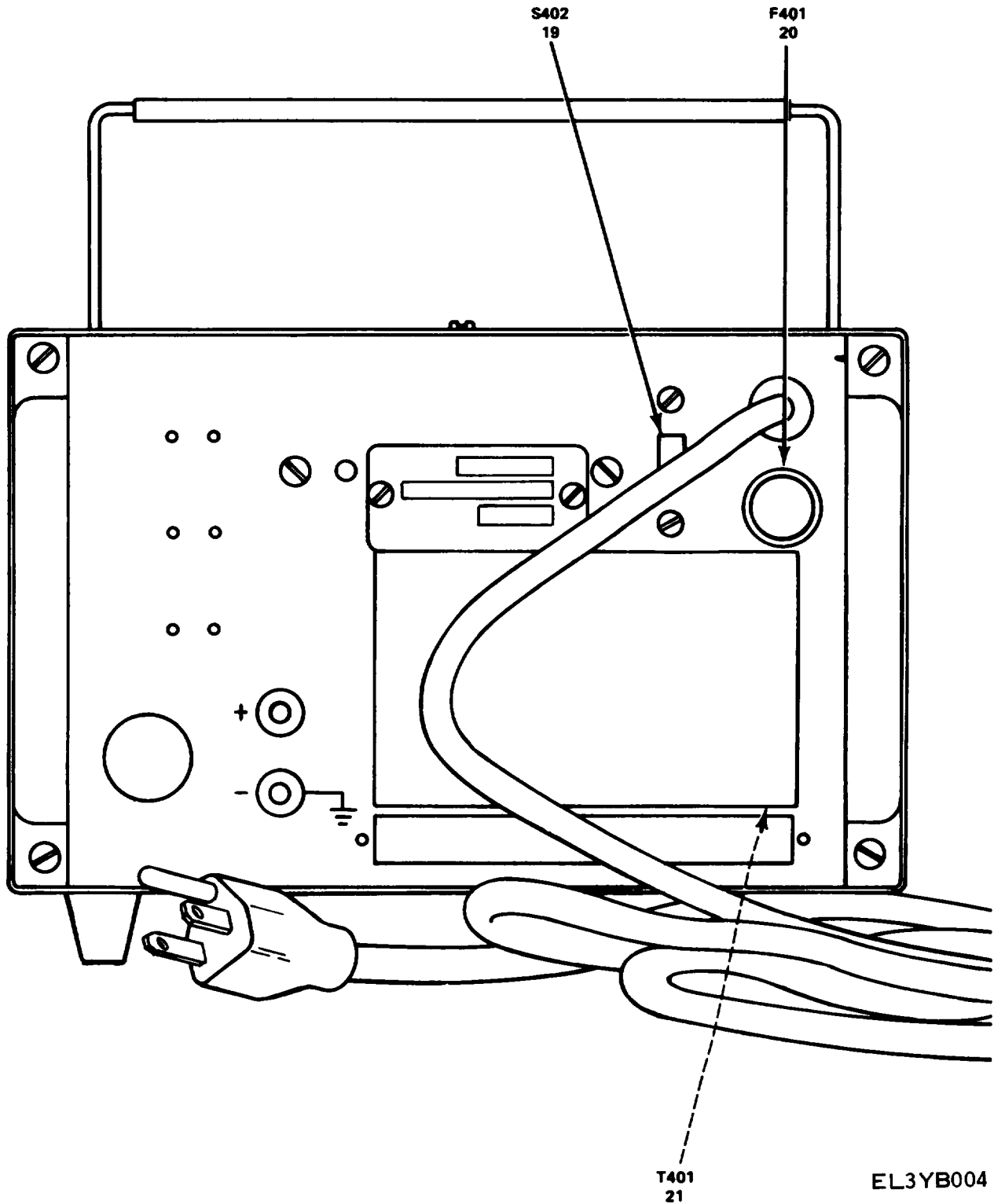


Figure 1. RF Power Meter, Boonton Model 42BD, Options 1 and 9 (Sheet 4 of 4).

SECTION II

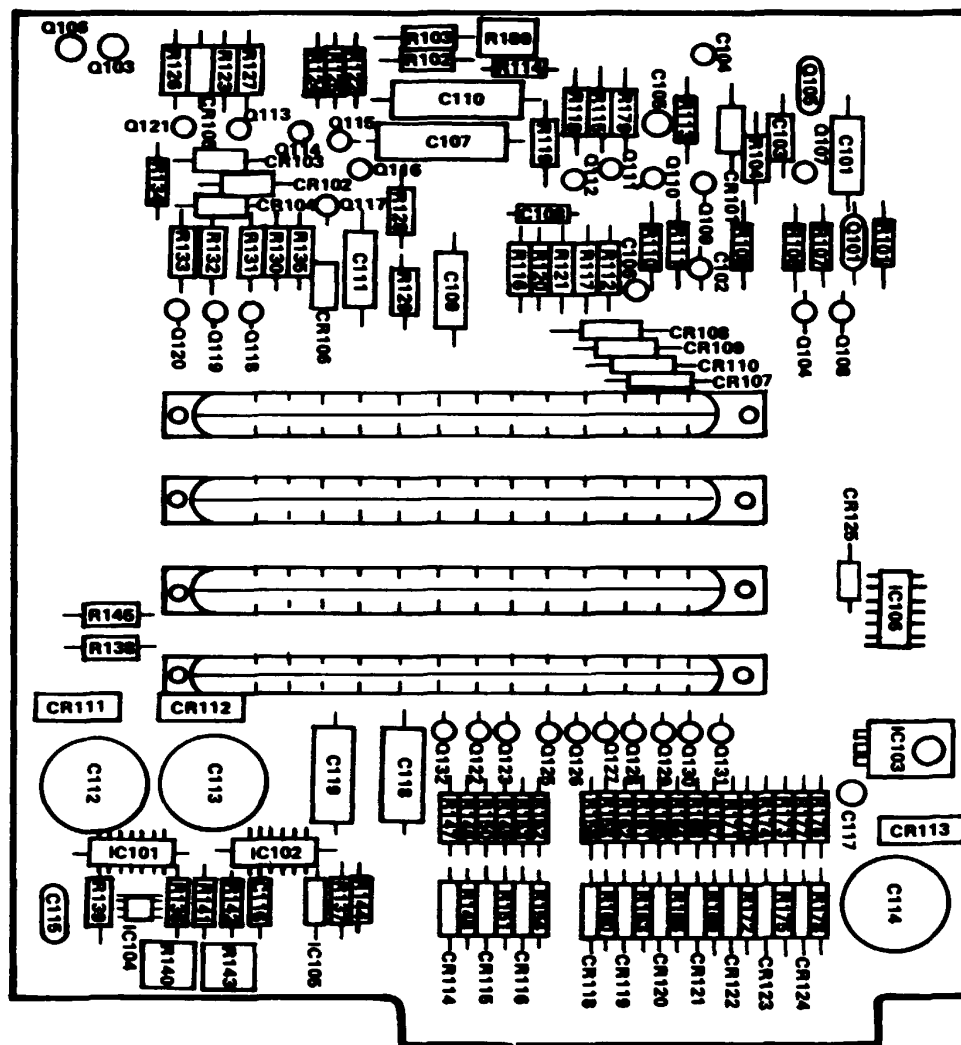
TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 00 RF POWER METER, BOONTON MODEL 428,OPIFIONS 1 AND 9		
1	1	XDFZZ	6625-01-077-8801	04901	554287	METER, SPECIAL SCALE	EA	1
1	2	PAFZZ	6625-01-075-0307	04901	554255	METER, MULTIPLE SCAL	EA	1
1	3	PAFZZ	6625-01-071-5192	04901	554.281	METER, NULL	EA	1
1	4	PAFZZ	5930-01-027-5719	04901	465154	SWITCH ASSEMBLY	EA	1
1	5	PAFZZ	5930-01-062-8675	04901	466226	SWITCH, ROTARY	EA	1
1	6	PAFZZ	5905-01-086-3136	04901	311345	RESISTOR, VARIABLE	EA	1
1	7	XDFZZ		04901	311265	RESISTOR, VARIABLE, N	EA	1
1	8	XDFZZ		04901	479119	CONNECTOR, RECEPTACL	EA	1
1	9	PAFDL	5999-01-071-5204	04901	093-008-1	CIRCUIT CARD ASSEMB	EA	1
1	10	XDFZZ		04901	092-008-4	CIRCUIT CARD ASSEMB	EA	1
1	11	PAFDL	4940-01-071-5200	04901	042-026-1	CIRCUIT CARD ASSEMB	EA	1
1	12	PAFDL	4940-01-071-5202	04901	08304830	CIRCUIT CARD ASSEMB	EA	1
1	13	XDFZZ		04901	092136-1-10	CIRCUIT CARD	EA	1
1	14	PAFDL	4940-01-071-5197	04901	092-135-1	CIRCUIT CARD ASSEMB	EA	1
1	15	PAFZZ	5935-01-086-3134	04901	479259	CONNECTOR.....	EA	1
1	16	XDFDL		04901	093-001-1	CIRCUIT CARD ASSEMB	EA	1
1	17	XDFDL		04901	093-006-1	CIRCUIT CARD	EA	1
1	18	PAFZZ	5945-01-086-3133	04901	540113	CHOPPER, ELECTRON	EA	1
1	19	PAFZZ	5930-00-468-2528	04901	465134	SWITCH, SLIDE	EA	1
1	20	PADZZ	5920-00-184-1437	71400	MDL2-10	FUSE, CARTRIDGE	EA	1
1	21	XDFZZ	5950-01-074-4550	04901	446066	TRANSFORMER, POWER	EA	1

LEGEND

C101,C111	1	R107	33
C102,C104,C108,C117	2	R108	34
C103	3	R110	36
C106	4	R111	36
C107	5	R112,R117	37
C108	6	R113	38
C109,C110	7	R114	39
C112,C113	8	R115,R116,R130	40
C114	9	R118,R128	41
C115,C116	10	R119,R138	42
C118,C119	11	R120	43
CR101	12	R121	44
CR102,CR103,CR106 thru CR110,CR114	13	R122	45
CR104	14	R124,R125	46
CR105	15	R126,R129,R136,R137	47
CR111,CR112,CR113	16	R127	48
IC101,IC102,IC103	17	R131	49
IC104,IC105	18	R132	50
IC106	19	R133	51
Q101,Q104,Q108, Q118,Q119,Q120	20	R134	52
Q103,Q107	21	R139,R142	53
Q105,Q115,Q116,Q117	22	R140,R143	54
Q106	23	R141,R144	56
Q109	24	R145	56
Q110,Q114	25	R146,R149,R152,R156, R161,R164,R167,R170	57
Q111,Q113	26	R173,R176	58
Q112,Q121	27	R147,R150,R153,R159, R162,R165,R168,R171, R174,R177	58
Q122,Q123,Q125 thru Q132	28	R148,R151,R154,R160, R163,R166,R169,R172, R175,R178	59
R101,R122,R135	29	R179	60
R102,R103	30	R180	61
R104	31		
R106	32		

PREFIX ALL REFERENCE DESIGNATORS WITH A1



EL3YB005

Figure 2. Circuit Card Assembly, Amplifier, A1.

SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 01 CIRCUIT CARD ASSEMBLY, AMPLIFIER, .A1		
2	1	XDDZZ	5910-00-274-1332	04901	234005	CAPACITOR, FIXED, PAP	EA	2
2	2	XDDZZ		04901	283205	CAPACITOR, FIXE	EA	4
2	3	XDDZZ		04901	200001	CAPACITOR, FIXE	EA	1
2	4	XDDZZ		04901	283206	CAPACITOR, FIXE	EA	1
2	5	XDDZZ		04901	236007	CAPACITOR, FIXE	EA	1
2	6	XDDZZ	5910-00-112-1633	04901	283199	CAPACITOR, FIXE	EA	1
2	7	XDDZZ		04901	283159	CAPACITOR, FIXED, ELE.....	EA	2
2	8	XDDZZ		04901	283207	CAPACITOR, FIXE	EA	2
2	9	XDDZZ		04901	283221	CAPACITOR, FIXE	EA	1
2	10	XDDZZ		04901	224124	CAPACITOR, FIXED, PAP	EA	2
2	11	XDDZZ		56289	1500107X903052	CAPACITOR, FIXE	EA	2
2	12	XDDZZ		34148	F0300	SEMICONDUCTOR DEVIC.....	EA	1
2	13	PADZZ	5961-00-999-4566	01295	IN914	SEMICONDUCTOR DEVIC.....	EA	18
2	14	XDDZZ	5961-00-252-1323	04711	INS2438	SEMICONDUCTOR DEVIC.....	EA	1
2	15	XDDZZ	5961-00-103-1583	04113	IN52358	SEMICONDUCTOR DEVIC.....	EA	1
2	16	PADZZ	5961-00-758-4957	11711	KBP02	SEMICONDUCTOR DEVIC.....	EA	3
Z	17	PADZZ	5962-00-365-5977	34148	UA7805UC	MICROCIRCUIT, LINEAR	EA	3
2	18	PADZZ	5962-00-255-0024	04713	NFC6030A	MICROCIRCUIT, LINEAR	EA	2
2	19	XDDZZ	5962-00-400-9087	01295	SN74L00N	MICROCIRCUIT, DIGITA	EA	1
2	20	PADZZ	5961-00-828-0721	04113	2N5459	TRANSISTOR.....	EA	6
2	21	PADZZ	5961-01-020-1606	73293	HOGP1000	SEMICONDUCTOR DEVIC.....	EA	2
2	22	PADZZ	5961-00-412-4366	01295	T1558	TRANSISTOR.....	EA	4
2	23	XDDZZ	5961-01-020-1607	04901	528057	SEMICONDUCTOR DEVIC.....	EA	1
2	24	XDDZZ	5961-00-357-3624	04901	528044	TRANSISTOR.....	EA	1
2	25	PADZZ	5961-00-434-9313	04113	2N5088	TRANSISTOR.....	EA	2
2	26	PADZZ	5961-00-404-5537	04713	2N5087	TRANSISTOR.....	EA	2
2	27	PADZZ	5961-00-146-8293	04713	NPSA66	TRANSISTOR.....	EA	2
2	28	XDDZZ		04713	NPS6516	TRANSISTOR.....	EA	10
2	29	XDDZZ		04901	301159	RESISTOR	EA	3
2	30	XDDZZ		04901	300096	RESISTOR, FIXED, FILM.....	EA	2
2	31	XDDZZ		04901	325397	RESISTOR, FIXED, FILM.....	EA	1
2	32	XDDZZ		04901	340445	RESISTOR, FIXED, FILM.....	EA	1
2	33	XDDZZ		04901	340522	RESISTOR	EA	1
2	34	XDDZZ		04901	326700	RESISTOR	EA	1
2	35	XDDZZ		04901	301134	RESISTOR, FIXED.....	EA	1
2	36	XDDZZ		04901	301127	RESISTOR	EA	1
2	37	XDDZZ		04901	301123	RESISTOR	EA	2
2	38	XDDZZ		04901	301146	RESISTOR	EA	1

SECTION II

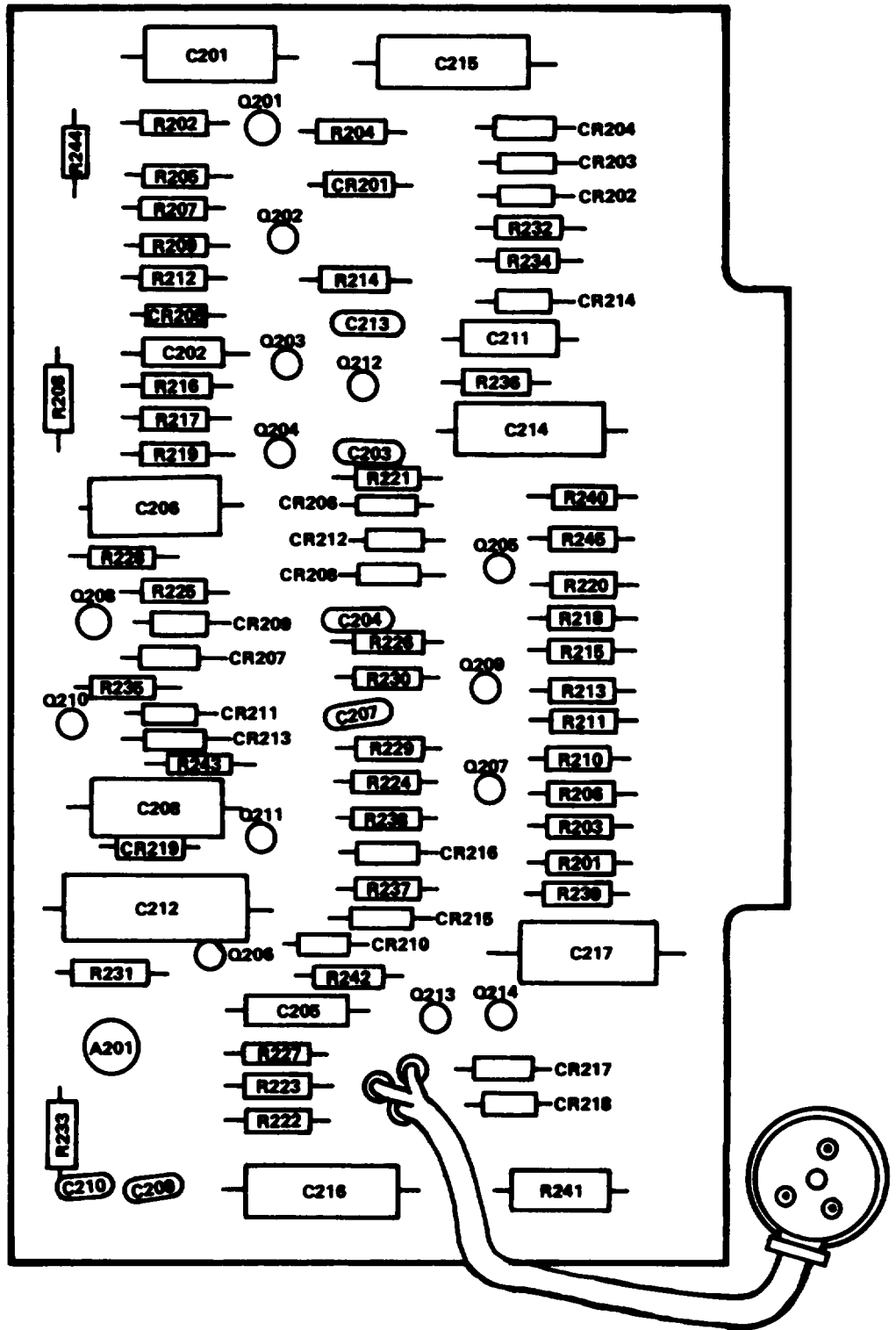
TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	39	XDDZZ		04901	340129	RESISTOR, FIXED, FILM.....	EA	1
2	40	XDDZZ		04901	301111	RESISTOR	EA	3
2	41	XDDZZ		04901	34038	RESISTOR	EA	2
2	42	XDDZZ		04901	30115	RESISTOR	EA	2
2	43	XDDZZ		04901	301100	RESISTOR	EA	1
2	44	XDDZZ		04901	301098	RESISTOR	EA	1
2	45	XDDZZ		04901	301097	RESISTOR	EA	1
2	46	XDDZZ		04901	301105	RESISTOR	EA	2
2	47	XDDZZ		04901	301087	RESISTOR	EA	4
2	48	XDDZZ		04901	301104	RESISTOR	EA	1
2	49	XDDZZ		04901	326397	RESISTOR	EA	1
2	50	XDDZZ		04901	340297	RESISTOR	EA	1
2	51	XDDZZ		04901	340176	RESISTOR	EA	1
2	52	XDDZZ		04901	340065	RESISTOR, FIXED, FILM.....	EA	1
2	53	XDDZZ		04901	340267	RESISTOR	EA	2
2	54	PADZZ	5905-01-086-3139	04901	311304	RESISTOR, .VARIABLE.....	EA	2
2	55	XDDZZ		04901	340213	RESISTOR	EA	2
2	56	XDDZZ		04901	340354	RESISTOR	EA	1
2	5T	XDDZZ		04901	300135	RESISTOR	EA	10
2	58	XDDZZ		04901	300120	RESISTOR	EA	10
2	59	XDDZZ		04901	300130	RESISTOR	EA	10
2	60	XDDZZ		04901	340141	RESISTOR, FIXED, FILM.....	EA	1
2	61	PADZZ	5905-01-086-3137	04901	311271	RESISTOR, VARIABLE.....	EA	1

8/(9 BLANK)

LEGEND

A201	1
C201,C206,C208	2
C202	3
C203,C204,C207,C213	4
C205	5
C209,C210	6
C211	7
C212	8
C214,C215,C216	9
C217	10
CR201 thru CR218	11
CR219	12
Q201	13
Q202,Q205,Q207, Q209,Q212	14
Q203	15
Q204	16
Q206	17
Q208,Q210	18
Q211	19
Q213,Q214	20
R201,R203,R206,R210, R212,R213,R215,R218, R220,R221,R228	21
R202,R214	22
R204	23
R205	24
R207,R225,R226,R229, R232,R234,R235,R237	25
R238	26
R208	26
R209,R223,R231	27
R211,R242	28
R216	29
R217	30
R219,R227	31
R222,R224,R230	32
R233	33
R236	34
R239	35
R240	36
R241	37
R243	38
R244	39
R245	40



**PREFIX ALL REFERENCE
DESIGNATORS WITH A2**

EL3YB006

Figure 3. Circuit Card Assembly, Chopper Driver, A2.

SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 02 CIRCUIT CARD ASSEMBLY, CHOPPER ORIVER.A2		
3	1	PADZZ	5962-00-569-7939	27014	LM320H-12	MICROCIRCUIT, DIGITA	EA	1
3	2	XDDZZ		04901	234046	CAPACITOR.....	EA	3
3	3	XDDZZ		04901	234044	CAPACITOR, FIXE.....	EA	1
3	4	XDDZZ		04901	200001	CAPACITOR, FIXE.....	EA	4
3	5	XDDZZ		04901	230101	CAPACITOR, FIXE.....	EA	1
3	6	XDDZZ	5910-00-902-5877	04901	224119	CAPACITOR, FIXE.....	EA	2
3	7	XDDZZ		04901	234064	CAPACITOR, FIXE.....	EA	1
3	8	XDDZZ	5910-00-901-6111	56289	192P4749R8	CAPACITOR, FIXED, PLA	EA	1
3	9	XDDZZ		04901	283159	CAPACITOR, FIXED, ELE	EA	3
3	10	XDDZZ		04901	283307	CAPACITOR, FIXED, PAP.....	EA	1
3	11	PADZZ	5961-00-901-4566	01295	IN914	SEMICONDUCTOR DEVIC.....	EA	18
3	12	XDDZZ		34148	FD300	SEMICONDUCTOR DEVIC.....	EA	1
3	13	XDDZZ	5961-00-433-5809	04713	2N4871	TRANSISTOR.....	EA	1
3	14	PADZZ	5961-01-017-2434	04713	NPSA20	TRANSISTOR.....	EA	5
3	15	XDDZZ	5961-00-404-5537	04713	2N5087	TRANSISTOR.....	EA	1
3	16	XDDZZ	5961-00-434-9313	04713	2N5088	TRANSISTOR.....	EA	1
3	17	XDDZZ	5961-00-146-8292	04113	NPSA12	TRANSISTOR.....	EA	1
3	18	PADZZ	5961-00-412-4366	01295	TIS58	TRANSISTOR.....	EA	2
3	19	XDDZZ	5961-00-828-0121	04713	2NS459	TRANSISTOR.....	EA	1
3	20	PADZZ	5961-00-146-8295	03508	2N5308	TRANSISTOR.....	EA	2
3	21	XDDZZ		04901	301111	RESISTOR	EA	11
3	22	XDDZZ		04901	301119	RESISTOR	EA	2
J	23	XDDZZ		04901	301063	RESISTOR	EA	1
3	24	XDDZZ		04901	301123	RESISTOR	EA	1
3	25	XDDZZ		04901	301135	RESISTOR	EA	9
3	26	XDDZZ		04901	301099	RESISTOR	EA	1
3	27	XDDZZ		04901	301103	RESISTOR	EA	3
3	28	XDDZZ		04901	344517	RESISTOR	EA	2
3	29	XDDZZ		04901	301145	RESISTOR	EA	1
3	30	XDDZZ		04901	301144	RESISTOR	EA	1
3	31	XDDZZ		04901	301115	RESISTOR	EA	2
3	32	XDDZZ		04901	301113	RESISTOR	EA	3
3	33	XDDZZ	5905-01-086-3145	04901	311285	RESISTOR, VARIABLE.....	EA	1
3	34	XDDZZ		04901	301121	RESISTOR, FIXE	EA	1
3	35	XDDZZ		04901	301092	RESISTOR	EA	1
3	36	XDDZZ		04901	301074	RESISTOR	EA	1
3	37	XDDZZ		04901	302072	RESISTOR	EA	1
3	38	XDDZZ		04901	301152	RESISTOR	EA	1

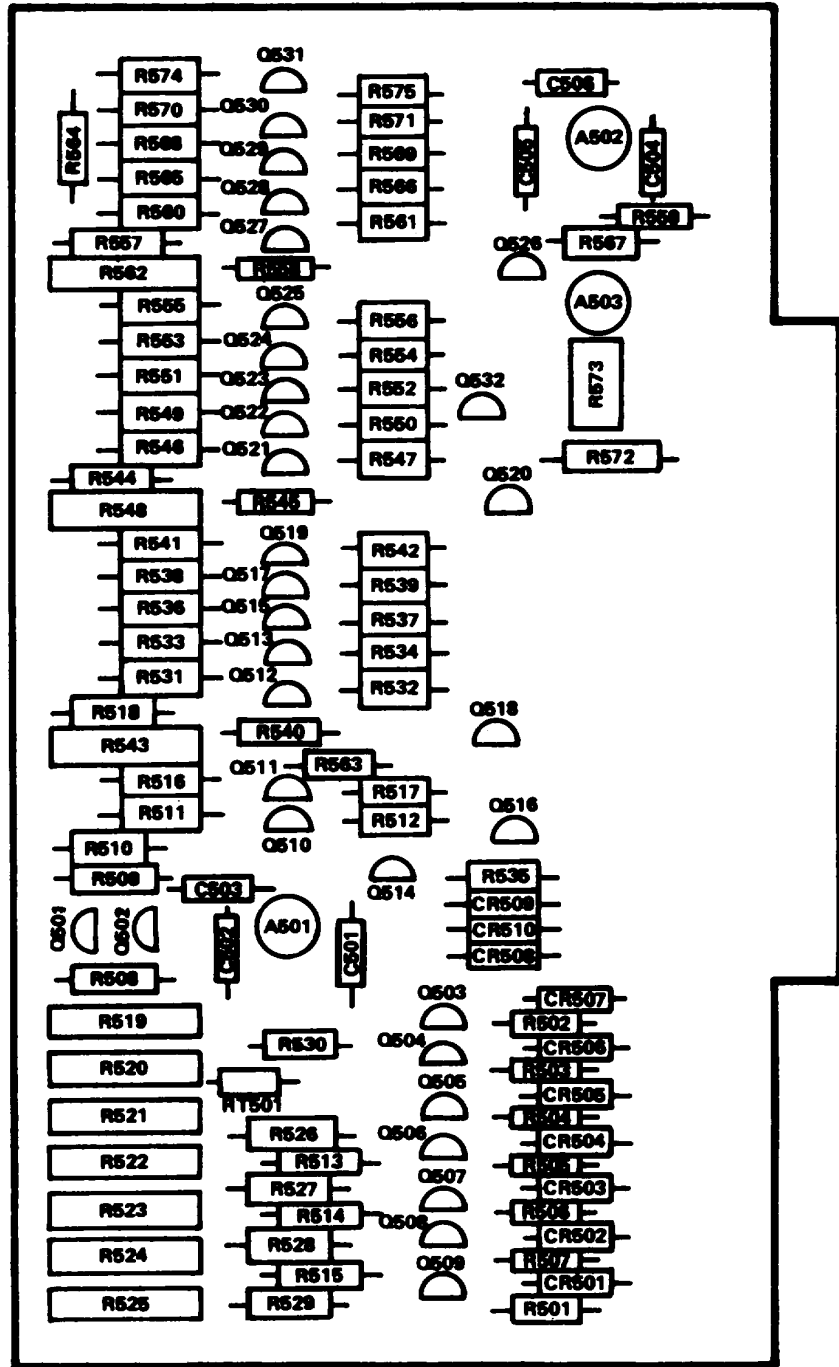
SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
3	39	XDDZZ		04901	311282	RESISTOR. VARIABL	EA	1
3	40	XDDZZ		04901	301055	RESISTOR	EA	1
					12/(13 BLANK)			

LEGEND

A501, A502	1
A503	2
C501, C503, C504, C506	3
C502, C505	4
CR501 thru CR510	5
Q501, Q502, Q510 thru	6
Q513, Q515, Q517, Q519,	6
Q521 thru Q525, Q527	6
thru Q532	6
Q503 thru Q509	7
Q514, Q516, Q518, Q520,	8
Q526	8
R501 thru R507	9
R508, R509	10
R510	11
R511	12
R512	13
R513	14
R514	15
R515	16
R516, R542	17
R517, R537	18
R518	19
R519, R520, R521, R525	20
R522, R523, R524	21
R526	22
R527	23
R528	24
R529	25
R530	26
R531	27
R532	28
R533	29
R534	30
R536, R540, R546, R568	31
R538	32
R539	33
R541	34
R543	35
R544	36
R546	37
R547	38
R549	39
R560	40
R561	41
R562	42
R563	43
R564	44
R565	45
R566	46
R567	47
R568	48
R569	49
R570	50
R571	51
R572	52
R573	53
R574	54
R575	55
R576	56
R577	57
R578	58
R579	59
R580	60
R581	61
R582	62
R583	63
R584	64



PREFIX ALL REFERENCE DESIGNATORS WITH A4

EL3YB007

Figure 4. Circuit Card Assembly, Shaping Amplifier, A4.

SECTION II

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 03 CIRCUIT CARD ASSEMBLY, SHAPING AMPLIFIER, A4		
4	1	PADZZ	5962-00-386-9155	27014	LN301AN	MICROCIRCUIT, LINEAR	EA	2
4	2	PADZZ	5962-00-985-1512	27014	LH310H	MICROCIRCUIT, LINEAR	EA	1
4	3	XDDZZ	5910-00-902-5877	04901	224119	CAPACITOR, FIXE	EA	4
4	4	XDDZZ		04901	224139	CAPACITOR, FIXE	EA	2
4	5	PADZZ	5961-00-999-4566	01295	IN914	SEMICONDUCTOR DEVIC.....	EA	10
4	6	PADZZ	5961-00-434-9313	04713	2N5088	TRANSISTOR.....	EA	20
4	7	PADZZ	5961-00-828-0721	04713	2N5459	TRANSISTOR.....	EA	7
4	8	PADZZ	5961-00-412-4366	01295	T1S58	TRANSISTOR.....	EA	5
4	9	XDDZZ		04901	301175	RESISTOR	EA	7
4	10	XDDZZ		04901	340352	RESISTOR	EA	2
4	11	XDDZZ		04901	326313	RESISTOR, FIXED, FILM.....	EA	1
4	12	XDDZZ		04901	340505	RESISTOR, FIXED, FILM.....	EA	1
4	13	XDDZZ		04901	340591	RESISTOR, FIXED, FILM.....	EA	1
4	14	XDDZZ		04901	326561	RESISTOR, FIXED, FILM.....	EA	1
4	15	XDDZZ		04901	340442	RESISTOR, FIXED, FILM.....	EA	1
4	16	XDDZZ		04901	340323	RESISTOR, FIXED, FILM.....	EA	1
4	17	XDDZZ		04901	340517	RESISTOR, FIXED, FILM.....	EA	2
4	18	XDDZZ		04901	340566	RESISTOR, FIXED, FILM.....	EA	2
4	19	XDDZZ		04901	340373	RESISTOR, FIXED, FILM.....	EA	1
4	20	PADZZ	5905-01-086-3143	04901	311264	RESISTOR, VARIABLE.....	EA	4
4	21	PADZZ	5905-01-086-3142	04901	311256	RESISTOR, VARIABLE.....	EA	3
4	22	XDDZZ		04901	340310	RESISTOR, FIXED, FILM.	EA	1
4	23	XDDZZ		04901	340320	RESISTOR, FIXED, FILM.....	EA	1
4	24	XDDZZ		04901	340311	RESISTOR, FIXED, FILM.....	EA	1
4	25	XDDZZ		04901	340321	RESISTOR, FIXED, FILM.....	EA	1
4	26	XDDZZ		04901	301069	RESISTOR, FIXE	EA	1
4	27	XDDZZ		04901	340470	RESISTOR, FIXED, FILM.....	EA	1
4	28	XDDZZ		04901	340586	RESISTOR, FIXED, FILM.....	EA	1
4	29	XDDZZ		04901	340466	RESISTOR, FIXED, FILM.....	EA	1
4	30	XDDZZ		04901	340550	RESISTOR, FIXED, FILM.....	EA	1
4	31	XDDZZ		04901	301159	RESISTOR	EA	4
4	32	XDDZZ		04901	340497	RESISTOR, FIXED, FILM.....	EA	1
4	33	XDDZZ		04901	340477	RESISTOR, FIXED, FILM.....	EA	1
4	34	XDDZZ		04901	340501	RESISTOR	EA	1
4	35	XDDZZ		04901	340474	RESISTOR, FIXED, FILM.....	EA	1
4	36	PADZZ	5905-01-086-3144	04901	311266	RESISTOR, VARIABLE.....	EA	3
4	37	XDDZZ		04901	340399	RESISTOR, FIXED, FILM.....	EA	1
4	38	XDDZZ		04901	340428	RESISTOR, FIXED, FILM.....	EA	1

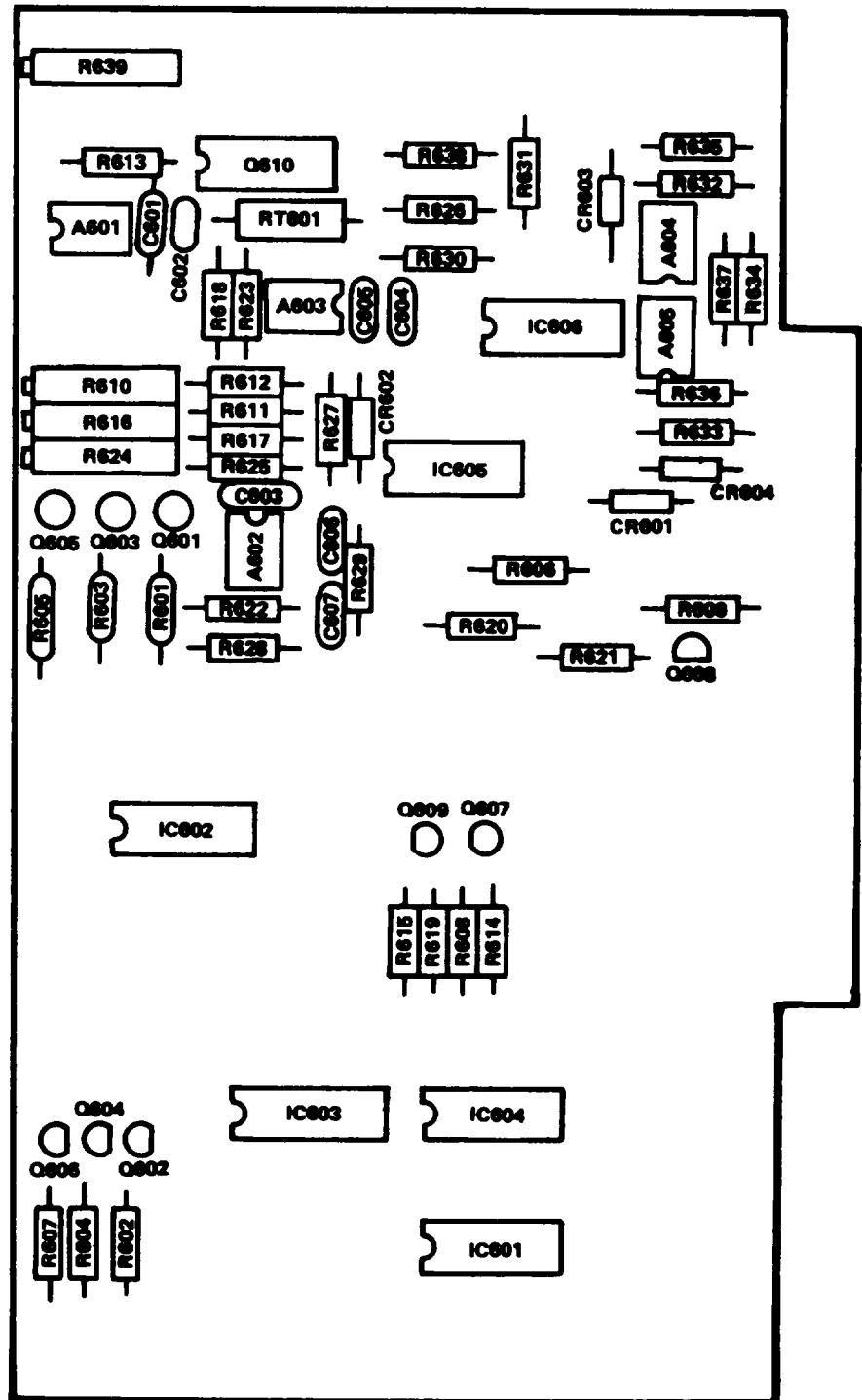
SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
4	39	XDDZZ		04901	340531	RESISTOR, FIXED, FILM.....	EA	1
4	40	XDDZZ		0401	340441	RESISTOR, FIXED, FILM.....	EA	1
4	41	XDDZZ		04901	340521	RESISTOR, FIXED, FILM.....	EA	1
4	42	XDDZZ		04901	340425	RESISTOR, FIXED, FILM.....	EA	1
4	43	XDDZZ		04901	340487	RESISTOR, FIXED, FILM.....	EA	1
4	44	XDDZZ		04901	326403	RESISTOR.....	EA	1
4	45	XDDZZ		04901	340483	RESISTOR, FIXED, FILM.....	EA	1
4	46	XDDZZ		04901	340426	RESISTOR, FIXED, FILM.....	EA	1
4	47	XDDZZ		04901	340462	RESISTOR, FIXED, FILM.....	EA	1
4	48	XDDZZ		04901	340409	RESISTOR, FIXED, FILM.....	EA	1
4	49	XDDZZ		04901	301111	RESISTOR.....	EA	1
4	50	XDDZZ		04901	340410	RESISTOR, FIXED, FILM.....	EA	1
4	51	XDDZZ		04901	340504	RESISTOR, FIXED, FILM.....	EA	1
4	52	XDDZZ		04901	301104	RESISTOR.....	EA	2
4	53	XDDZZ		04901	340430	RESISTOR, FIXED, FILM.....	EA	1
4	54	XDDZZ		04901	340506	RESISTOR, FIXED, FILM.....	EA	1
4	55	XDDZZ		04901	340347	RESISTOR, FIXED, FILM.....	EA	1
4	56	XDDZZ		04901	340420	RESISTOR, FIXED, FILM.....	EA	1
4	51	XDDZZ		91637	CMF65-97600F	RESISTOR, FIXED, FILM.....	EA	1
4	58	XDDZZ		04901	326401	RESISTOR.....	EA	1
4	59	XDDZZ		04901	340478	RESISTOR.....	EA	1
4	60	XDDZZ		04901	301108	RESISTOR, FIXE.....	EA	1
4	61	PADZZ	5905-01-086-3145	04901	311285	RESISTOR, VARIABLE.....	EA	1
4	62	XDDZZ		04901	326394	RESISTOR, FIXED, FILM.....	EA	1
4	63	XDDZZ		04901	340448	RESISTOR, FIXED, FILM.....	EA	1
4	64	PADZZ	5905-01-086-3209	04901	325005	RESISTOR, THERMAL.....	EA	1

LEGEND

- | | |
|------------------------------|----|
| A601 thru A605 | 1 |
| C601 | 2 |
| C602 | 3 |
| C603 | 4 |
| C604,C605 | 5 |
| C606,C607 | 6 |
| CR601 | 7 |
| CR602 | 8 |
| CR603,CR604 | 9 |
| IC601 | 10 |
| IC602 | 11 |
| IC603 | 12 |
| IC604 | 13 |
| IC605 | 14 |
| IC606 | 15 |
| Q601,Q603,Q605 | 16 |
| Q602,Q604,Q606,Q608 | 17 |
| Q607,Q609 | 18 |
| Q610 | 19 |
| R601 | 20 |
| R602,R604,R606,R607,
R621 | 21 |
| R603 | 22 |
| R605 | 23 |
| R608,R614,R615,R619 | 24 |
| R609 | 25 |
| R610 | 26 |
| R611 | 27 |
| R612,R617,R625 | 28 |
| R613 | 29 |
| R616,R624 | 30 |
| R618 | 31 |
| R620,R634,R637 | 32 |
| R622 | 33 |
| R623 | 34 |
| R626 | 35 |
| R627 | 36 |
| R628,R629 | 37 |
| R630 | 38 |
| R631 | 39 |
| R632 | 40 |
| R633 | 41 |
| R635 | 42 |
| R636 | 43 |
| R638 | 44 |
| R639 | 45 |
| RT601 | 46 |



PREFIX ALL REFERENCE DESIGNATORS WITH A5

EL3YB008

Figure 5. Circuit Card Assembly, Digital Control, A5.

SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 04 CIRCUIT CARD ASSEMBLY. DIGITAL CONTROL, A5		
5	1	PADZZ	5962-00-386-9155	27014	LN30A6N	MICROCIRCUIT, LINEAR	EA	5
5	2	XDDZZ		04901	2000J2	CAPACITOR, FIXE	EA	1
5	3	XDDZZ		04901	200027	CAPACITOR, FIXE	EA	1
5	4	XDDZZ		04901	224139	CAPACITOR, FIXE	EA	1
5	5	XDDZZ		04901	200034	CAPACITOR, FIXE	EA	2
5	6	XDDZZ	5910-00-902-5877	04901	224119	CAPACITOR, FIXE	EA	2
5	7	XDDZZ	5961-00-106-3710	04713	1N52368	SEMICONDUCTOR DEVIC.	EA	1
5	8	XDDZZ	5961-00-866-5454	81349	JANLN821	SEMICONDUCTOR DEVIC.	EA	1
5	9	XDDZZ	5961-00-233-5486	04113	IN52278	SEMICONDUCTOR DEVIC.	EA	2
5	10	PADZZ	5962-00-530-7327	01295	SN7409N	MICROCIRCUIT, DIGITA	EA	1
5	11	PADZZ	5962-00-172-5584	02735	C04025AE	MICROCIRCUIT, DIGITA	EA	1
5	12	PADZZ	5962-01-041-9407	01295	SN74LI2N	MICROCIRCUIT, DIGITA	EA	1
5	13	PADZZ	5962-00-169-4723	01295	SN74LION	MICROCIRCUIT, DIGITA	EA	1
5	14	PADZZ	5962-00-219-7312	02735	C04016AD	MICROCIRCUIT, DIGITA	EA	1
5	15	XDDZZ	5962-00-400-9087	01295	SN74L00N	MICROCIRCUIT, DIGITA	EA	1
5	16	PADZZ	5961-01-020-1606	73293	HDGP1000	SEMICONDUCTOR DEVIC.	EA	3
5	17	PADZZ	5961-01-005-0352	04713	2N565	TRANSISTOR.	EA	4
5	18	PADZZ	5961-00-847-9782	04713	2N3905	TRANSISTOR.	EA	2
5	19	PADZZ	5962-00-412-1023	95303	CA3046	MICROCIRCUIT, LINEAR	EA	1
5	20	XDDZZ		04901	340526	RESISTOR, FIXED, FILM.	EA	1
5	21	XDDZZ		04901	301103	RESISTOR	EA	5
5	22	XDDZZ		04901	340564	RESISTOR, FIXED, FILM.	EA	1
5	23	XDDZZ		04901	340599	RESISTOR, FIXED, FILM.	EA	1
5	24	XDDZZ		04901	301135	RESISTOR	EA	4
5	25	XDDZZ		04901	301115	RESISTOR	EA	1
5	26	XDDZZ	5905-01-086-3144	04901	311266	RESISTOR, VARIABLE	EA	1
5	27	XDDZZ		04901	340461	RESISTOR, FIXED, FILM.	EA	1
5	28	XDDZZ		04901	340456	RESISTOR	EA	3
5	29	XDDZZ		04901	301131	RESISTOR, FIXE	EA	1
5	30	XDDZZ		04901	311268	RESISTOR, VARIABL	EA	2
5	31	XDDZZ		04901	340382	RESISTOR, FIXED, FILM.	EA	1
5	32	XDDZZ		04901	301111	RESISTOR	EA	3
5	33	XDDZZ		04901	301125	RESISTOR, FIXE	EA	1
5	34	XDDZZ		04901	301094	RESISTOR, FIXE	EA	1
5	35	XDDZZ		04901	340239	RESISTOR, FIXED, FILM.	EA	1
5	36	XDDZZ		04901	301088	RESISTOR, FIXE	EA	1
5	37	XDDZZ		04901	341365	RESISTOR, FIXE	EA	2
5	38	XDDZZ		04901	340478	RESISTOR	EA	1

SECTION II

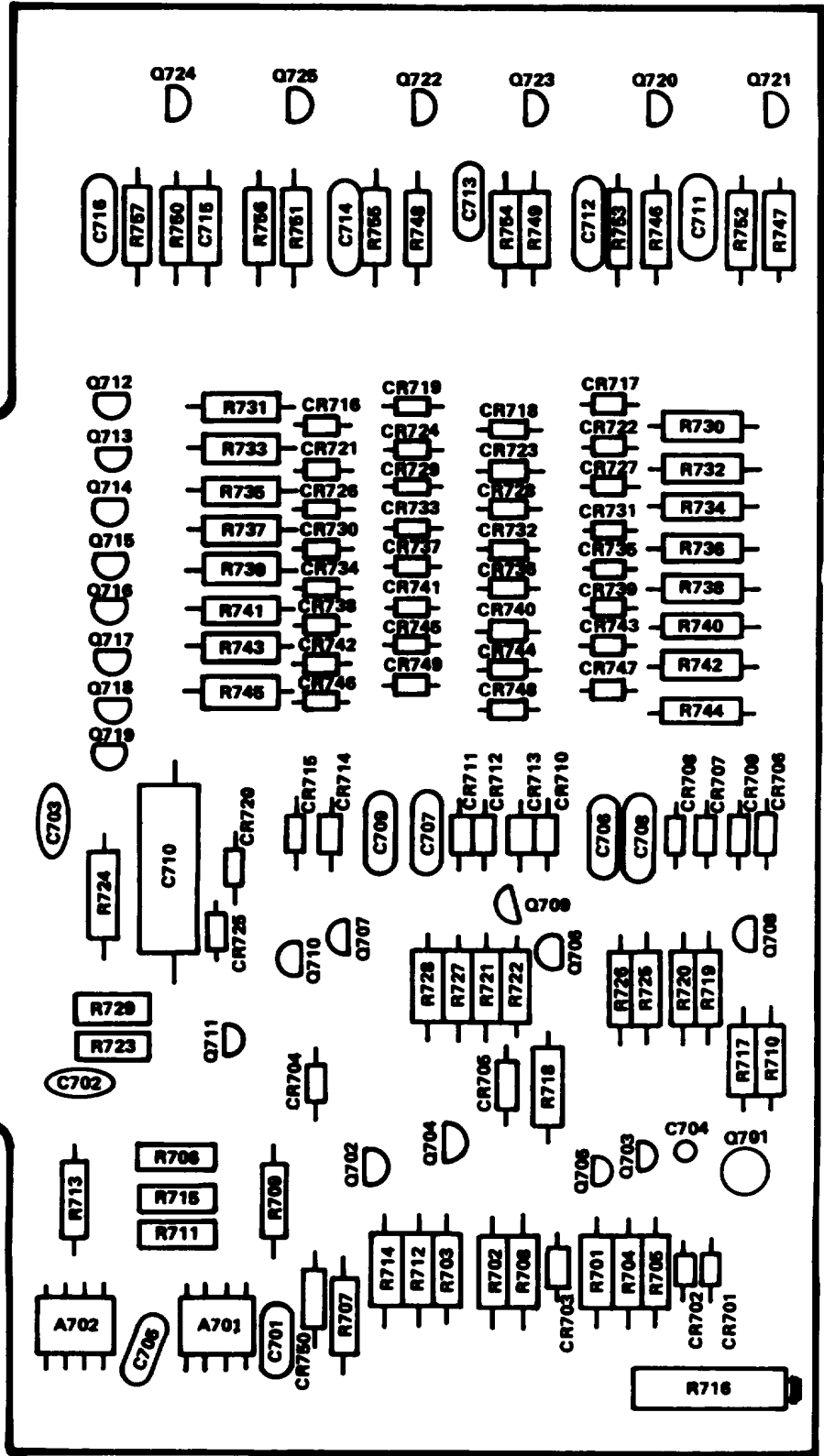
TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
5	39	XDDZZ		04001	340392	RESISTOR, FIXED, FILM.....	EA	1
5	40	XDDZZ		04901	340313	RESISTOR, FIXED, FILM.....	EA	1
5	41	XDDZZ		04901	340321	RESISTOR, FIXED, FILM.....	EA	1
5	42	XDDZZ		04901	340321	RESISTOR, FIXED, FILM.....	EA	1
5	43	XDDZZ		04901	340465	RESISTOR, FIXED, FILM.....	EA	1
5	44	XDDZZ		04901	340358	RESISTOR, FIXED, FILM.....	EA	1
5	45	XDDZZ	5905-01-086-3143	04901	311264	RESISTOR, VARIABLE.....	EA	1
5	46	XDDZZ	5905-01-086-3209	04901	325005	RESISTOR, THERMAL.....	EA	1
20/(21 BLANK)								

LEGEND

- A701,A702
- C701,C705
- C702,C703
- C704
- C706 thru C709
- C710
- C711 thru C716
- CR701 thru CR749
- CR750
- Q701
- Q702 thru Q710,Q712 thru Q725
- Q711
- R701,R707,R708,R710,R712,R714,R725 thru R728,R730,R732,R734,R736,R738,R740,R742,R744,R752 thru R757
- R702,R703,R709,R713,R718,R724,R731,R733,R735,R737,R739,R741,R743,R745 thru R751
- R704
- R705
- R706
- R711
- R715
- R716
- R717
- R719 thru R722
- R723
- R729

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PREFIX ALL REFERENCE DESIGNATORS WITH A6

EL3YB009

Figure 6. Circuit Card Assembly, Auto Range, A6.

SECTION II

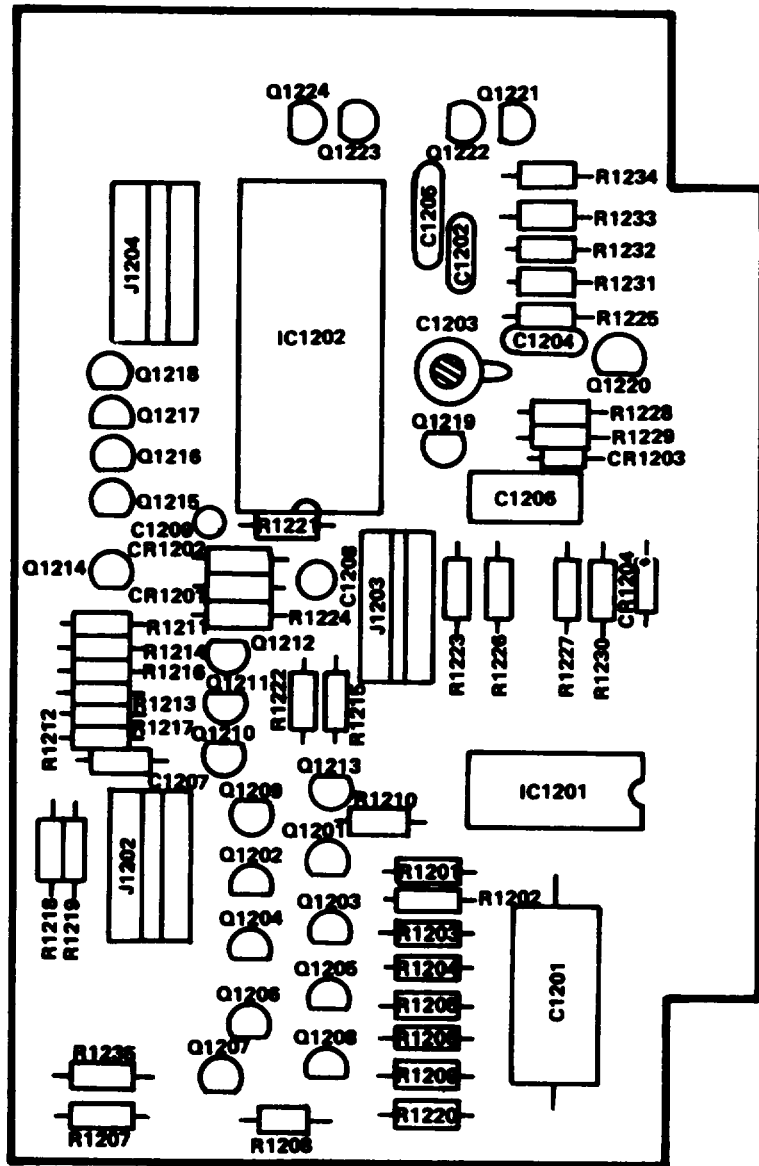
TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 05 CIRCUIT CARD ASSEMBLY, AUTO RANGE, A6		
6	1	PADZZ	5962-00-386-9155	27014	LN301AN	MICROCIRCUIT, LINEAR	EA	2
6	2	XDDZZ		04901	200049	CAPACITOR, FIXE	EA	2
6	3	XDDZZ	5910-00-902-5877	04901	224119	CAPACITOR, FIXE	EA	2
6	4	XDDZZ	5910-00-172-1633	04901	283199	CAPACITOR, FIXE	EA	1
6	5	XDDZZ		04901	200001	CAPACITOR, FIXE	EA	4
6	6	XDDZZ		04901	283159	CAPACITOR, FIXED, ELE.....	EA	1
6	7	XDDZZ		04901	200004	CAPACITOR, FIXE	EA	6
6	8	XDDZZ	5961-00-999-4566	01295	1N914	SEMICONDUCTOR DEVIC.....	EA	49
6	9	XDDZZ		04713	2N52348	SEMICONDUCTOR.....	EA	1
6	10	XDDZZ	5961-00-559-8060	03508	D5K2	TRANSISTOR.....	EA	1
6	11	XDDZZ		04713	MPS6516	TRANSISTOR.....	EA	23
6	12	XDDZZ	5961-00-192-7553	04113	MP56512	TRANSISTOR.....	EA	1
6	13	XDDZZ		04901	301127	RESISTOR	EA	24
6	14	XDDZZ		04901	301111	RESISTOR	EA	20
6	15	XDDZZ		04901	301130	RESISTOR, FIXE	EA	1
6	16	XDDZZ		04901	301135	RESISTOR	EA	1
6	17	XDDZZ		04901	326313	RESISTOR, FIXED, FILM.....	EA	1
6	18	XDDZZ		04901	340476	RESISTOR	EA	1
6	19	XDDZZ		04901	326401	RESISTOR	EA	1
6	20	XDDZZ	5905-01-086-3144	04901	311266	RESISTOR, VARIABLE.....	EA	1
6	21	XDDZZ		04901	301039	RESISTOR, FIXE	EA	1
6	22	XDDZZ		04901	301147	RESISTOR, FIXE	EA	4
6	23	XDDZZ		04901	301115	RESISTOR	EA	1
6	24	XDDZZ	5905-00-111-4734	81349	RCR20G470JS	RESISTOR, FIXED, COMP	EA	1

LEGEND

C1201	1
C1202	2
C1203	3
C1204	4
C1205	5
C1206	6
C1207	7
C1208,C1209	8
CR1201,CR1202	9
CR1203,CR1204	10
IC1201	11
IC1202	12
J1202,J1203,J1204	13
Q1201 thru Q1208	14
Q1209	15
Q1210,Q1211,Q1212	16
Q1214,Q1219	16
Q1213,Q1215 thru	17
Q1218,Q1221 thru	17
Q1224	17
Q1220	18
R1201 thru R1208,	19
R1215,R1221,R1222	19
R1207	20
R1208	21
R1209,R1210,R1216	22
thru R1220,R1228,	22
R1231 thru R1234	22
R1211 thru R1214,	23
R1226	23
R1223	24
R1224,R1236	26
R1225,R1227	26
R1229,R1230	27

**PREFIX ALL REFERENCE
DESIGNATORS WITH A7**



EL3YB010

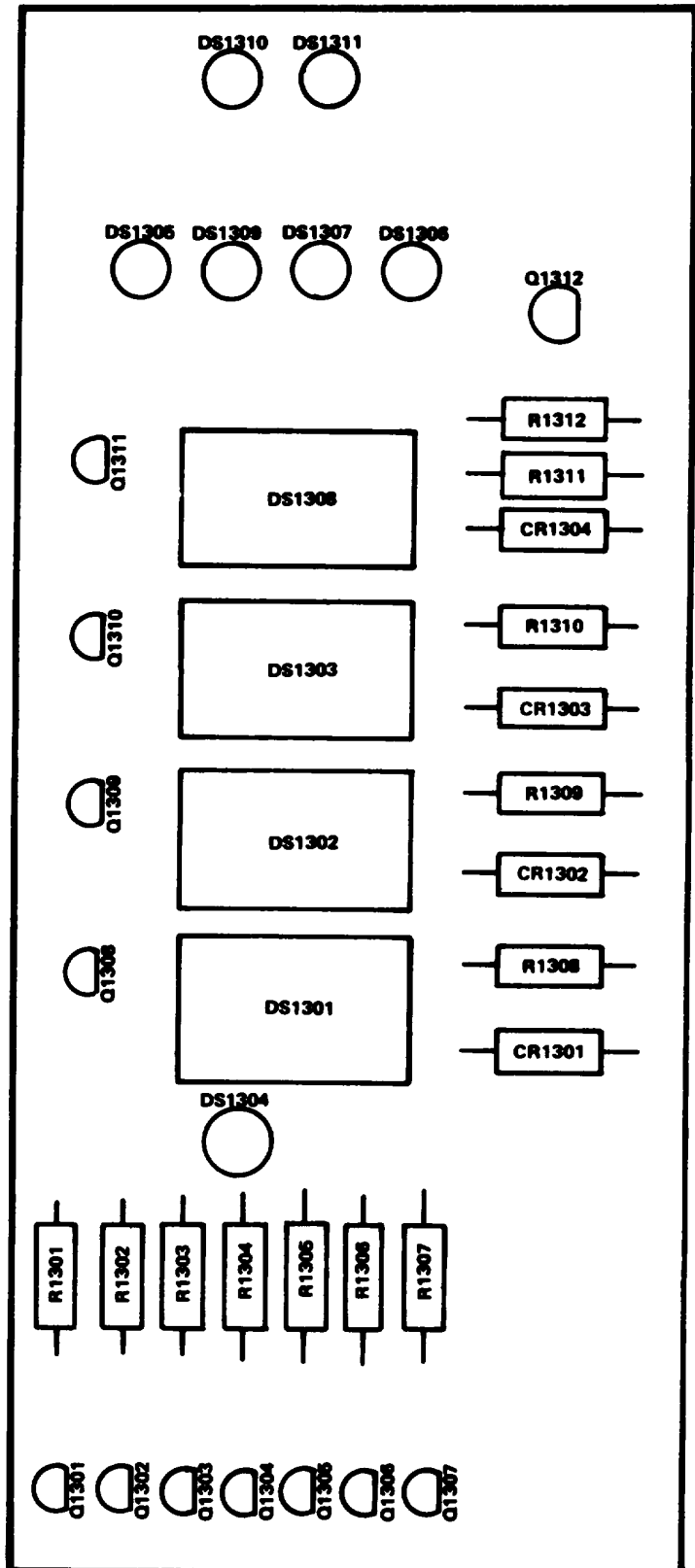
Figure 7. Circuit Card Assembly, Counter, A7.

SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 06 CIRCUIT C6RU ASSEMBLY, COUNTER, A7		
7	1	XDDZZ		04901	283141	CAPACITOR, FIXE.....	EA	1
7	2	XDDZZ		04901	200002	CAPACITOR, FIXED, SELECT AT TEST.....	EA	1
7	2	XDDZZ		04901	200030	CAPACITOR, FIXED, SELECT AT TEST.....	EA	1
7	2	XDDZZ		04901	200049	CAPACITOR, FIXED, SELECT AT TEST.....	EA	1
7	2	XDDZZ		04901	200032	CAPACITOR, FIXED, SELECT AT TEST.....	EA	1
7	2	XDDZZ		04901	200035	CAPACITOR, FIXED, SELECT AT TEST.....	EA	1
7	3	XDDZZ		04901	281009	CAPACITOR, VARIABLE	EA	1
7	4	XDDZZ		04901	200049	CAPACITOR, FIXE.....	EA	1
7	S	XDDZZ		04901	234085	CAPACITOR, FIXE.....	EA	1
7	6	XDDZZ		04901	234080	CAPACITOR, FIXE.....	EA	1
7	7	XDDZZ		04901	224218	CAPACITOR, FIXE.....	EA	1
7	8	XDDZZ		04901	283205	CAPACITOR, FIXE.....	EA	2
7	9	PADZZ	5961-00-146-8294	04713	IN52348	SEMICONDUCTOR DEVIC.....	EA	2
7	10	PADZZ	5961-00-999-4566	01295	1N914	SEMICONDUCTOR DEVIC.....	EA	a
7	11	XDDZZ	5662-00-400-9087	01295	SN14L00N	MICROCIRCUIT, DIGITA	EA	1
7	12	PADZZ	5935-01-070-5367	04901	534024	MICROCIRCUIT, DIGITA	EA	1
7	13	PADZZ	5935-01-086-3146	04901	479277	CONNECTOR.....	EA	3
7	14	XDDZZ		04713	MPS6516	TRANSISTOR.....	EA	8
7	15	XDDZZ		04713	MPS6507	TRANSISTOR.....	EA	1
7	16	PADZZ	5961-00-192-7553	04713	MPS5612	TRANSISTOR.....	EA	5
7	17	PADZZ	5961-00-404-5537	04713	2N5087	TRANSISTOR.....	EA	9
7	18	XDDZZ	5961-01-017-6025	04713	MPU131	TRANSISTOR	EA	1
7	19	XDDZZ		04901	300116	RESISTOR, FIXE	EA	9
7	20	XDDZZ		04901	300089	RESISTOR, FIXE	EA	1
7	21	XDDZZ		04901	300082	RESISTOR, FIXE	EA	1
7	22	XDDZZ		04901	300099	RESISTOR, FIXE	EA	12
7	23	XDDZZ		04901	300130	RESISTOR, FIXE	EA	5
7	24	XDDZZ		04901	300078	RESISTOR, FIXE	EA	1
7	25	XDDZZ		04901	300013	RESISTOR, FIXE	EA	2
7	26	XDDZZ		04901	300150	RESISTOR, FIXE	EA	2
7	27	XDDZZ		04901	300110	RESISTOR, FIXE	EA	2

- LEGEND**
- | | |
|----------------------|---|
| CR1301 thru CR1304 | 1 |
| DS1301,DS1302, | 2 |
| DS1303,DS1308 | 2 |
| DS1304 thru DS1307 | 3 |
| DS1308,DS1310,DS1311 | 3 |
| Q1301 thru Q1307 | 4 |
| Q1308 thru Q1311 | 5 |
| Q1312 | 6 |
| R1301 thru R1307 | 7 |
| R1308 thru R1311 | 8 |
| R1312 | 9 |



PREFIX ALL REFERENCE DESIGNATORS WITH A8

EL3 YB011

Figure 8. Circuit Card Assembly, Display, A8.

SECTION II

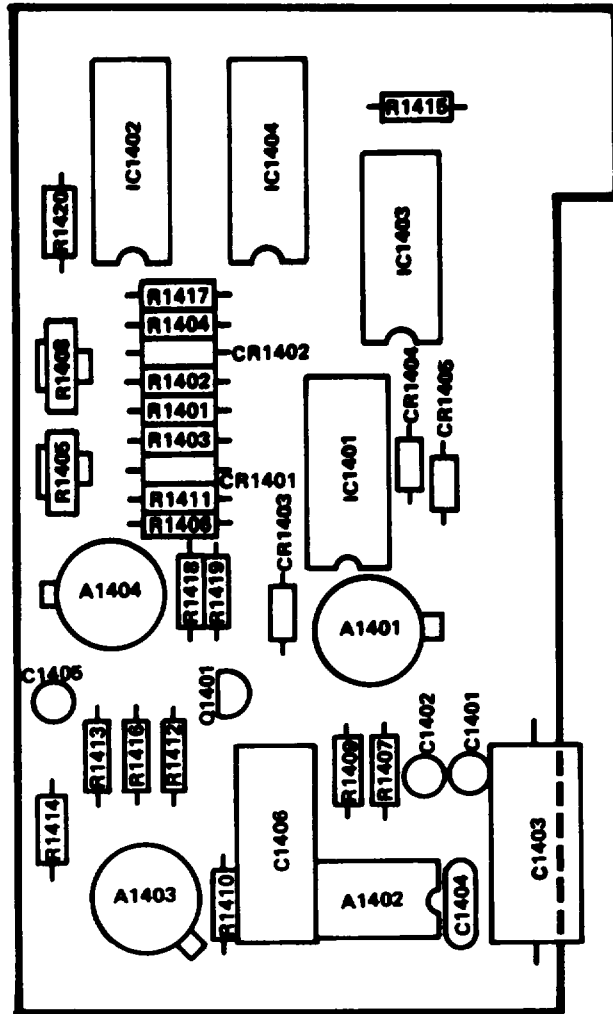
TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 07 CIRCUIT CARD ASSEMBLY, DISPLAY, A8		
8	1	PADZZ	5961-00-999-4566	01295	IN914	SEMICONDUCTOR DEVIC.....	EA	4
8	2	PADZZ	5961-00-517-8679	28480	5082-7730	SEMICONDUCTOR DEVIC.....	EA	4
8	3	XDDZZ		04901	545120	LAMP.....	EA	7
8	4	PADZZ	5961-00-192-7553	04713	MPS6512	TRANSISTOR.....	EA	7
8	5	PADZZ	5961-00-146-8292	04713	MPSA12	TRANSISTOR.....	EA	4
8	6	XDDZZ	5961-00-404-5537	04713	2N5087	TRANSISTOR.....	EA	1
8	7	XDDZZ		04901	300050	RESISTOR, FIXE	EA	7
8	8	XDDZZ		04901	300116	RESISTOR, FIXE	EA	4
8	9	XDDZZ		04901	300046	RESISTOR, FIXE	EA	1

LEGEND

A1401,A1403	1
A1402	2
A1404	3
C1401,C1402,C1405	4
C1403,C1406	5
C1404	6
CR1401,CR1402	7
CR1403,CR1404,CR1405	8
IC1401	9
IC1402	10
IC1403	11
IC1404	12
Q1401	13
R1401,R1402	14
R1403,R1404	15
R1405,R1406	16
R1406,R1411	17
R1407	18
R1408	19
R1410,R1417	20
R1412,R1415	21
R1413,R1418	22
R1414	23
R1416	24
R1419	25
R1420	26

PREFIX ALL REFERENCE DESIGNATORS WITH A9



EL3YB012

Figure 9. Circuit Card Assembly, Analog-Digital Converter, A9.

SECTION II

TM 11-6625-2857-24 P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 08 CIRCUIT CARD ASSEMBLY, ANALOG-DIGITAL CONVERTER, A9		
9	1	PADZZ	5962-00-985-1512	27014	LM310H	MICROCIRCUIT, LINEAR	EA	2
9	2	PADZZ	5962-00-386-9155	27014	LM301AN	MICROCIRCUIT, LINEAR	EA	1
9	3	PADZZ	5962-00-131-9460	88818	G193-064-001	MICROCIRCUIT, LINEAR	EA	1
9	4	XDDZZ	5910-00-172-1633	04901	213199	CAPACITOR, FIXE	EA	3
9	5	XDDZZ		04901	234046	CAPACITOR.....	EA	2
9	6	XDDZZ		04901	224139	CAPACITOR, FIXE	EA	1
9	7	PADZZ	5961-00-866-5454	81349	JAN1N821	SEMICONDUCTOR DEVIC.....	EA	2
9	8	PADZZ	5961-00-999-4566	01295	1N914	SEMICONDUCTOR DEVIC.....	EA	3
9	9	PADZZ	5962-00-219-7312	02735	CD4016AD	MICROCIRCUIT, DIGITA	EA	1
9	10	PADZZ	5961-00-523-9603	81349	M38510/05101BCA	MICROCIRCUIT, DIGITA	EA	1
9	11	PADZZ	5962-00-169-4727	02735	CD4011AE	MICROCIRCUIT, DIGITA	EA	1
9	12	PADZZ	5962-01-025-2594	81349	M38510/05202BCB	MICROCIRCUIT, DIGITA	EA	1
9	13	XDDZZ	5961-00-412-4366	01295	T1558	TRANSISTOR.....	EA	1
9	14	XDDZZ		04901	325461	RESISTOR, FIXED, FILM.....	EA	2
9	15	XDDZZ		04901	325398	RESISTOR, FIXED, FILM.....	EA	2
9	16	PADZZ	5905-01-086-3147	04901	311293	RESISTOR, VARIABLE	EA	2
9	17	XDDZZ		04901	325377	RESISTOR, FIXED, FILM.....	EA	2
9	18	XDDZZ		04901	325585	RESISTOR, FIXED, FILM.....	EA	1
9	19	XDDZZ		04901	300070	RESISTOR, FIXED.....	EA	1
9	20	XDDZZ		0901	300106	RESISTOR, FIXED.....	EA	2
9	21	XDDZZ		04901	300116	RESISTOR, FIXED.....	EA	2
9	22	XDDZZ		04901	300170	RESISTOR, FIXED.....	EA	2
9	23	XDDZZ		04901	300078	RESISTOR, FIXED.....	EA	1
9	24	XDDZZ		04901	300099	RESISTOR, FIXED.....	EA	1
9	25	XDDZZ		04901	300154	RESISTOR, FIXED.....	EA	1
9	26	XDDZZ		04901	300122	RESISTOR, FIXED.....	EA	1

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5961-00-103-1583	2	15	5961-00-828-0721	3	19
5961-00-106-3710	5	7	5961-00-828-0721	4	7
5905-00-111-4734	6	24	5961-00-847-9782	5	18
5962-00-131-9460	9	3	5961-00-866-5454	5	8
5961-00-146-8292	3	17	5961-00-d66-5454	9	7
5961-00-146-8292	8	5	5910-00-901-6111	3	a
5961-00-146-8293	2	27	5910-00-902-5877	3	6
5961-00-146-8294	7	9	5910-00-902-5877	4	3
596L-00-146-8295	3	20	5910-00-902-5877	5	6
5962-00-169-4723	5	13	5910-00-902-5877	6	3
5962-00-169-4727	9	11	5962-00-985-1512	4	2
5910-00-172-1633	2	6	5962-00-985-1512	9	1
5910-00-172-1633	6	4	5961-00-999-4566	2	13
5910-00-172-1633	9	4	5961-00-999-4566	3	11
5962-00-172-5584	5	11	5961-00-999-4566	4	5
5920-00-184-1437	1	20	5961-00-999-4566	6	8
5961-00-192-7553	6	12	5961-00-999-4566	7	10
5961-00-192-7553	7	16	5961-00-999-4566	8	1
5961-00-192-7553	8	4	5961-00-999-4566	9	8
5962-00-219-7312	5	14	5961-01-005-0352	5	17
5962-00-219-7312	9	9	5961-01-017-2434	3	14
5961-00-233-5486	5	9	5961-01-017-6025	7	18
5961-00-252-L323	2	14	5961-01-020-1606	2	21
5962-00-255-0024	2	18	5961-01-020-1606	5	16
5910-00-274-1332	2	1	5961-01-020-1607	2	23
5961-00-357-3624	2	24	5962-01-025-2594	9	12
5962-00-365-5977	2	17	5930-01-027-5119	1	4
5962-00-386-9155	4	1	5962-01-041-9407	5	12
5962-00-386-9155	5	1	5930-01-062-8675	1	5
5962-00-386-9155	6	1	5962-01-070-5367	7	12
5962-00-386-9155	9	2	6625-01-071-5192	1	3
5962-00-400-9087	2	19	4940-01-071-5197	1	14
5962-00-400-9087	5	15	4940-01-071-5200	1	11
5962-00-400-9087	7	11	4940-01-071-5202	1	12
5961-00-404-5537	2	26	5999-01-071-5204	1	9
5961-00-404-5537	3	15	5950-01-074-4550	1	21
5961-00-404-5537	7	17	6625-01-075-0307	1	2
5961-00-404-5537	8	6	6625-01-077-8801	1	1
5962-00-412-1023	5	19	5945-01-086-3133	1	18
5961-00-412-4366	2	22	5935-01-086-3134	1	15
5961-00-412-4366	3	18	5905-01-086-3136	1	6
5961-00-412-4366	4	8	5905-01-086-3137	2	61
5961-00-412-4366	9	13	5905-01-086-3139	2	54
5961-00-433-5809	3	13	5905-01-086-3142	4	21
5961-00-434-9313	2	25	5905-01-086-3143	4	20
5961-00-434-9313	3	16	5905-01-086-3143	5	45
5961-00-434-9313	4	6	5905-01-086-3144	4	36
5930-00-468-2528	1	19	5905-01-086-3144	5	26
5961-00-517-8679	8	2	5905-01-086-3144	6	20
5962-00-523-9603	9	10	5905-01-086-3145	3	33
5962-00-530-7327	5	10	5905-01-086-3145	4	61
5961-00-559-8060	6	10	5935-01-086-3146	7	13
5962-00-569-7939	3	1	5905-01-086-3147	9	16
5961-00-758-4957	2	16	5905-01-086-3209	4	64
5961-00-828-0721	2	20	5905-01-086-3209	5	46

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
95303	CA3046	5	19	27014	LM310H	4	2
02735	CD4011AE	9	11	27014	LH310H	9	1
02735	CD4016AD	5	14	21014	LN320H-12	3	1
02735	C04016A0D	9	9	71400	MDL2-10	1	20
02735	C04025AE	5	11	04713	MFC6030A	2	18
91637	CNF65-97600F	4	57	04713	MPSA2	3	17
03508	D5K2	6	10	04713	MPSA12	8	5
04901	08304830	1	12	04713	MPSA20	3	14
34148	FD300	2	12	04113	MPSA66	2	21
34148	FD300	3	12	04713	MPS6507	7	15
88818	G193-064-001	9	3	04713	MPS6512	6	12
73293	HDGP1000	2	21	04713	MPS6512	7	16
73293	HDGP1000	5	16	04713	MPS6512	8	4
81349	JANIN821	5	8	04713	MPS6516	2	28
81349	JANIN821	9	7	04713	MPS6516	6	11
11711	KBPO2	2	16	04113	MPS6516	7	14
27014	LM301AN	4	1	04713	MPU131	7	18
27014	LM301AN	5	1	81349	M38510/05101BCA	9	10
27014	LN301AN	6	1	81349	M38510/05202BCB	9	12
27014	LH301AN	9	2	81349	RCR20G470JS	6	24

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
01295	SN74L00N	2	19	04901	283141	7	1
01295	SN74L00N	5	15	04901	283159	2	7
01295	SN74L00N	7	11	04901	283159	3	9
01295	SN74L00N	5	13	04901	283159	4	6
01295	SN74L42N	5	12	04901	283199	2	6
01295	SN7409N	5	10	04901	283199	6	4
01295	TIS58	2	22	04901	283199	9	4
01295	T1S58	3	18	04901	283205	2	2
01295	TIS58	4	8	04901	283205	7	8
01295	11558	9	13	04901	283206	2	4
34148	UA7805UC	2	17	04901	283201	2	6
04901	042-026-1	1	11	04901	283221	2	9
04901	092-008-4	1	10	04901	283307	3	10
04901	092-135-1	1	14	04901	300046	8	9
04901	092136-1-10	1	13	04901	300050	8	7
04901	093-006-1	1	17	04901	300010	9	19
04901	093-007-1	1	16	04901	300073	1	25
04901	093-008-1	1	9	04901	J00078	1	24
04713	1N52278	5	9	04901	300018	9	23
04713	1N52348	7	9	04901	300082	7	21
04713	1N52358	2	15	04901	300089	7	20
04713	1N52368	5	7	04901	300096	2	30
04713	1N52438	2	14	04901	300099	7	22
01295	1N914	2	13	04901	300099	9	24
01295	1N914	3	11	04901	300106	9	20
01295	1N914	4	5	04901	300116	7	19
01295	1N914	6	8	04901	300116	8	8
01295	1N914	1	10	04901	300116	9	21
01295	1N914	8	1	04901	300120	2	58
01295	1N914	9	8	04901	300122	9	26
56289	150D107X903052	2	11	04901	300130	2	59
56289	192P4749R8	3	8	04901	300130	7	23
04113	2N3905	5	18	04901	300135	2	57
04713	2N4871	3	13	04901	300150	7	26
04713	2N5087	2	26	04901	300154	9	25
04713	2N5087	3	15	04901	300110	1	27
04713	2N5087	7	17	04901	300110	9	22
04713	2N5087	8	6	04901	301039	6	21
04713	2N5088	2	25	04901	301055	3	40
04713	2N5088	3	16	04901	30106J	3	23
04713	2N5080	4	6	04901	301069	4	26
04713	2N5234B	6	9	04901	301014	3	36
03508	2N5308	3	20	04901	301087	2	47
04713	2N5459	2	20	04901	301088	5	36
04713	2N5459	3	19	04901	301092	3	35
04713	2N5459	4	7	04901	301094	5	34
04713	2N5653	5	17	04901	301097	2	45
04901	200001	2	3	04901	301098	2	44
04901	200001	3	4	04901	301099	3	26
04901	200001	6	5	04901	301100	2	43
04901	200002	7	2	04901	301103	3	27
04901	200004	6	7	04901	301103	5	21
04901	200027	5	3	04901	301104	2	48
04901	200030	7	2	04901	301104	4	52
04901	200032	5	2	04901	301105	2	46
04901	200032	7	2	04901	301108	4	60
04901	200034	5	5	04901	301111	2	40
04901	200035	7	2	04901	301111	3	21
04901	200049	6	2	04901	301111	4	49
04901	200049	7	2	04901	301111	5	32
04901	200049	7	4	04901	301111	6	14
04901	224119	3	6	04901	301113	3	32
04901	224119	4	3	04901	301115	2	42
04901	224119	5	6	04901	301115	3	31
04901	224119	6	3	04901	301115	5	25
04901	224124	2	10	04901	301115	6	23
04901	224139	4	4	04901	301119	3	22
04901	224139	5	4	04901	301121	3	34
04901	224139	9	6	04901	301123	2	37
04901	224218	7	7	04901	301123	3	24
04901	230101	3	5	04901	301125	5	33
04901	234005	2	1	04901	301127	2	36
04901	234044	3	3	04901	301121	6	13
04901	234046	3	2	04901	301130	6	15
04901	234046	9	5	04901	301131	5	29
04901	234064	3	7	04901	301134	2	35
04901	234080	7	6	04901	301135	3	25
04901	234085	1	5	04901	301135	5	24
04901	236001	2	5	04901	301135	6	16
04901	281009	7	3	04901	301144	3	30

SECTION IV

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NATIONAL STOCK NUMBER AND PART NUMBER INDEX

FSCMPART NUMBER		FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
04901	301145	3	29	04901	340392	5	39
04901	301146	2	38	04901	340399	4	37
04901	301141	6	22	04901	340409	4	48
04901	301152	3	38	04901	340410	4	50
04901	301159	2	29	04901	340420	4	56
04901	301159	4	31	04901	340421	5	42
04901	301175	4	9	04901	340425	4	42
04901	302072	3	37	04901	340426	4	46
04901	311256	4	21	04901	340428	4	38
04901	311264	4	20	04901	340430	4	53
04901	311264	5	45	04901	340441	4	40
04901	311265	1	7	04901	340442	4	15
04901	311266	4	36	04901	340445	2	32
04901	311266	5	26	04901	340448	4	63
04901	311266	6	20	04901	340456	5	28
04901	311268	5	30	04901	340461	5	27
04901	311277	2	61	04901	340462	4	47
04901	311282	3	39	04901	340465	5	43
04901	311285	3	33	04901	340466	4	29
04901	311285	4	61	04901	340470	4	27
04901	311293	9	16	04901	340414	4	35
04901	311304	2	54	04901	340476	6	18
04901	311345	1	6	04901	340417	4	33
04901	325005	4	64	04901	340478	4	59
04901	325005	5	46	04901	340478	5	38
04901	325377	9	17	04901	340483	4	45
04901	325397	2	31	04901	340487	4	43
04901	325398	9	15	04901	340497	4	32
04901	325461	9	14	04901	340501	4	34
04901	325585	9	18	04901	340504	4	51
04901	326313	4	11	04901	340505	4	12
04901	326313	6	17	04901	340506	4	54
04901	326394	4	62	04901	340517	4	17
04901	326397	2	49	04901	340521	4	41
04901	326401	4	58	04901	340522	2	33
04901	326401	6	19	04901	340526	5	20
04901	326403	4	44	04901	3405J1	4	39
04901	326561	4	14	04901	340550	4	30
04901	326700	2	34	04901	340564	5	22
04901	340065	2	52	04901	340566	4	18
04901	340129	2	39	04901	340586	4	28
04901	340141	2	60	04901	340591	4	13
04901	340176	2	51	04901	340599	5	23
04901	340213	2	55	04901	341365	5	37
04901	340239	5	35	04901	344517	3	28
04901	340267	2	53	04901	446066	1	21
04901	340291	2	50	04901	465134	1	19
04901	340310	4	22	04901	465154	1	4
04901	340311	4	24	04901	466226	1	5
04901	340320	4	23	04901	479119	1	8
04901	340321	4	25	04901	479259	1	15
04901	340321	5	41	04901	479277	7	13
04901	340323	4	16	28480	5082-771130	8	2
04901	340341	4	55	04901	528044	1	24
04901	340352	4	10	04901	528057	2	23
04901	340354	2	56	04901	534024	7	12
04901	340358	5	44	04901	540113	1	18
04901	340373	4	19	04901	545120	8	3
04901	340373	5	40	04901	554-255	1	2
04901	340378	2	41	04901	554-287	1	3
04901	340382	5	31	04901	554287	1	1

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