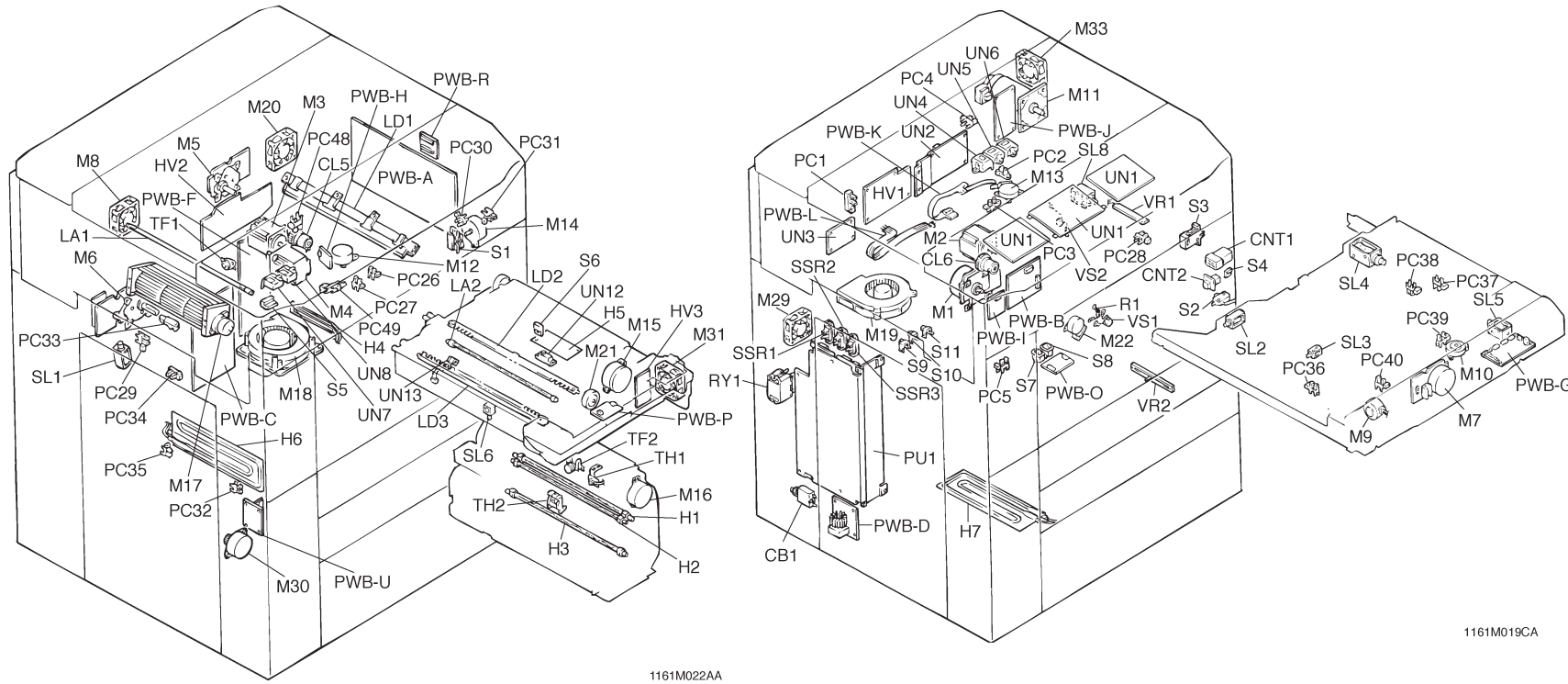
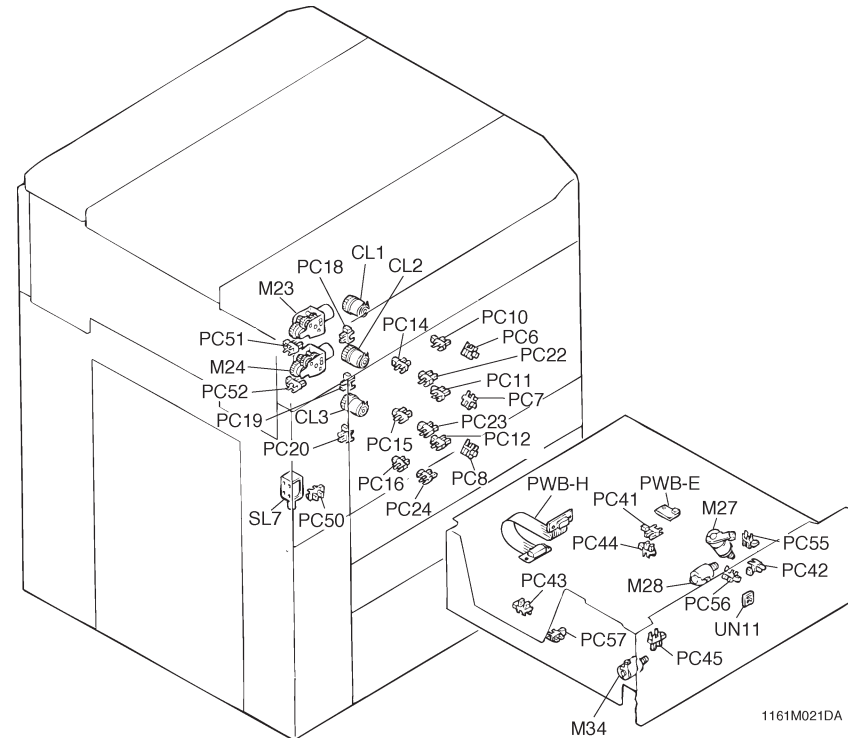


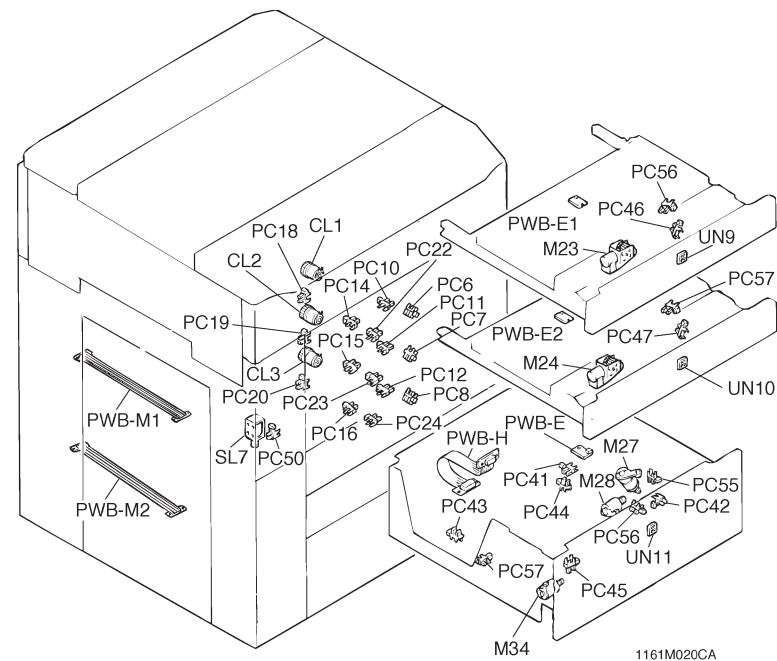
# ELECTRICAL PARTS LAYOUT



<Metric Areas>



<Inch Areas>



SYMBOL	PART NAME	LOCATION	PJ No.	
PWB-A	Master Board	G-O-26-40		
PWB-B	MSC Board	B-D-43-45		
PWB-C	Power Supply Board	C-F-57-60		
PWB-D	Noise Filter Board	D-64-65		
PWB-E	3rd Drawer Main Tray Paper Empty Board	J-K-60-61		
PWB-E1	1st Drawer Paper Empty Board (*1)	C-D-51		
PWB-E2	2nd Drawer Paper Empty Board (*1)	F-G-51		
PWB-F	Drawer S/P Board	I-P-49-54		
PWB-G	Duplex Unit S/P Board	I-L-3-6		
PWB-H	AE Sensor Board	E-F-25-26		
PWB-I	Tech. Rep. Setting Switches Board	K-L-43-44		
PWB-J	Exposure Lamp Regulator	B-E-26-27		
PWB-K	Lens Flexible Printed Circuit	E-F-39-40		
PWB-L	Lamp Flexible Printed Circuit	D-E-29-30		
PWB-M1	1st Drawer Flexible Printed Circuit (*1)	B-C-48-49		
PWB-M2	2nd Drawer Flexible Printed Circuit (*1)	E-F-48-49		
PWB-O	M14/M16/M22 Drive Board	H-I-19-20		
PWB-P	Wire Cleaning Motor Drive Board	M-N-14-15		
PWB-R	RAM Board	G-H-31-33		
PWB-T	Synchronizing Motor Control Board	L-N-20-21		
PWB-U	M30 Drive Board	F-H-54-55		
PWB-H	3rd Drawer Flexible Printed Circuit	N-P-55-59		
UN1	Control Panel	E-F-44-46		
UN2	Scanner Control Processor Board	C-E-34-38		
UN3	Original Size Detecting Board	A-C-30-32		
UN4	Original Size Detecting Sensor FD1 (*3)	C-28-29		PJ39
UN5	Original Size Detecting Sensor FD2	D-28-29		PJ40
UN6	Original Size Detecting Sensor FD3 (*2)	B-C-33		PJ42
UN7	Original Size Detecting Sensor CD1	C-33		PJ41
UN8	Original Size Detecting Sensor CD2 (*2)	B-33		PJ43
UN9	1st Drawer Paper Descent Key (*1)	B-51		PJ65
UN10	2nd Drawer Paper Descent Key (*1)	E-51		PJ66
UN11	3rd Drawer Paper Descent Key	K-60-61		
UN12	ATDC Sensor	B-19		
UN13	AIDC Sensor	K-12*(8)		
		H-12*(4)		
M1	Paper Take-Up Motor	N-O-48		PJ27
M2	Vertical Transport Motor	P-48		
M3	Transport Motor	O-P-48		
M4	Synchronizing Motor	M-22		
M5	PC Drum Drive Motor	D-19		PJ73
M6	Fusing Motor	B-2-3		PJ124
M7	Duplex Unit Drive Motor	L-7	PJ69	
M8	Fusing Unit Ventilation Fan Motor	C-2-3	PJ46	
M9	Duplex Unit Gate Motor	J-K-7		
M10	Duplex Unit Front/Rear Edge Guide Drive Motor	J-7		
M11	Scanner Motor	E-F-33		
M12	Lens X Direction Drive Motor	B-38		
M13	Lens Y Direction Drive Motor	E-41		
M14	Main Hopper Toner Replenishing Motor	H-21-22		
M15	Sub Hopper Toner Replenishing Motor	F-19		
M16	Cleaning Web Drive Motor	E-2-3		
M17	Optical Section Cooling Fan Motor	D-41		
M18	Suction Fan Motor	O-19		
M19	Ventilation Fan Motor	O-P-19		
M20	Toner Suction Fan Motor	C-19		
M21	PC Drum Charge Wire Cleaning Motor	M-N-13		PJ78
M22	Image Transfer/Paper Separator Change Wire Cleaning Motor	I-21-22		PJ80
M23	1st Drawer Lift-Up Motor	D-51*(1)		
		M-48*(9)		
M24	2nd Drawer Lift-Up Motor	G-H-51*(1)		
		M-N-48*(9)		
M27	3rd Drawer Elevator Motor	J-60-61		PJ107
M28	3rd Drawer Shift Motor	I-J-60-61		PJ108
M29	Power Supply Unit Cooling Fan Motor	C-62-63		
M30	Duplex Unit Turnover Motor	O-7		
M31	Developing Cooling Fan Motor (*4)	B-C-19		
M33	M11 Cooling Fan Motor (*4)	D-41		
M34	Shift Gate Motor	I-61-62		PJ131
CL1	1st Drawer Paper Take-Up Clutch	M-57-58		
CL2	2nd Drawer Paper Take-Up Clutch	K-57-58		
CL3	3rd Drawer Paper Take-Up Clutch	I-J-57-58		
CL5	Manual Feed Paper Take-Up Clutch	I-44		
CL6	Duplex Unit Paper Take-Up Clutch	H-I-3		
SL1	Exit/Duplex Switching Solenoid	B-7		PJ68
SL2	Duplex Unit Gate Switching Solenoid	O-3		
SL3	Duplex Unit Paper Finger Solenoid	P-3		
SL4	Duplex Unit Pick-Up Solenoid	N-3		
SL5	Duplex Unit Leading Edge Solenoid	M-3		
SL6	Separator Finger Solenoid	A-B-2-3		
SL7	3rd Drawer Lock Solenoid	K-48		PJ111
SL8	Manual Feed Paper Pick-Up Solenoid	H-44		
S1	Power Switch	O-44		PJ63
S2	Lower Front Door Interlock Switch	A-B-11-12		
S3	Right Door Interlock Switch	B-11-12		PJ72
S4	Pre-Drive OFF Front Switch	C-11-12		
S5	Size Reset Switch	A-41		
S6	Sub Hopper Toner Empty Switch	G-19		
S7	Drum Dehumidifying Switch	O-13		
S8	Paper Dehumidifying Switch (*5)	O-66		
S9	Paper Size Detecting Switch FD1	B-41		PJ122
S10	Paper Size Detecting Switch FD2	B-41		PJ120
S11	Paper Size Detecting Switch FD3	C-41		PJ119
PC1	Scanner Reference Position Sensor	E-33		PJ59
PC2	Lens X Direction Reference Position Sensor	D-33		PJ44

SYMBOL	PART NAME	LOCATION	PJ No.
PC3	Lens Y Direction Reference Position Sensor	E-F-41	PJ45
PC4	Original Cover Detecting Sensor	C-41	PJ53
PC5	Pre-Drive OFF Rear Sensor	D-11~12	PJ65
PC6	1st Drawer Paper Take-Up Sensor	N-55	PJ16
PC7	2nd Drawer Paper Take-Up Sensor	L-M-55	PJ84
PC8	3rd Drawer Paper Take-Up Sensor	K-55	PJ89
PC10	Vertical Transport Sensor 1	M-N-55	PJ17
PC11	Vertical Transport Sensor 2	L-55	PJ85
PC12	Vertical Transport Sensor 3	J-55	PJ90
PC14	1st Drawer Lift-Up Sensor	M-55	PJ18
PC15	2nd Drawer Lift-Up Sensor	K-L-55	PJ86
PC16	3rd Drawer Lift-Up Sensor	J-55	PJ91
PC18	1st Drawer Set Sensor	N-57~58	PJ19
PC19	2nd Drawer Set Sensor	L-M-57~58	PJ87
PC20	3rd Drawer Set Sensor	K-57~58	PJ92
PC22	1st Drawer Paper Empty Sensor	M-N-57~58	PJ20
PC23	2nd Drawer Paper Empty Sensor	L-57~58	PJ88
PC24	3rd Drawer Paper Empty Sensor	J-57~58	PJ93
PC26	Transport Roller Sensor	M-N-19	PJ13
PC27	Paper Leading Edge Sensor	M-19	PJ12
PC28	Manual Feed Paper Empty Sensor	I-J-43~44	PJ31
PC29	Toner Collecting Bottle Set Sensor	C-11~12	PJ123
PC30	Toner Bottle Home Position Sensor	E-F-19	PJ54
PC31	Upper Front Door Set Sensor	D-E-11~12	PJ55
PC32	Left Door Set Sensor	E-11~12	PJ11
PC33	Paper Exit Sensor	A-B-7~8	PJ71
PC34	Turnover Feed Sensor	N-7	PJ115
PC35	Duplex Unit Turnover Path Sensor	M-N-7	PJ83
PC36	Duplex Unit Paper Entry Sensor	O-3	PJ51
PC37	Duplex Unit Paper Take-Up Sensor	M-N-3	PJ50
PC38	Duplex Unit Paper Empty Sensor	L-M-3	PJ49
PC39	Duplex Unit Front/Rear Edge Guide Plate Home Position Sensor	M-7	PJ48
PC40	Duplex Unit Gate Home Position Sensor	L-M-7	PJ47
PC41	3rd Drawer Tray Lower Position Sensor	O-60~61	PJ28
PC42	3rd Drawer Shifter Overrun Detecting Sensor	L-60~61	PJ132
PC43	3rd Drawer Shifter Home Position Sensor	N-O-60~61	PJ109
PC44	3rd Drawer Shifter Return Position Sensor	N-60~61	PJ29
PC45	3rd Drawer Shift Gate Position Sensor	O-P-60~61	PJ133
PC46	1st Drawer Lower Limit Position Sensor (*1)	B-51	PJ34
PC47	2nd Drawer Lower Limit Position Sensor (*1)	E-F-51	PJ35
PC48	Drum Comb Cleaner Home Position Sensor	E-19	PJ77
PC49	Transfer/Separator Wire Cleaner Home Position Sensor	N-19	PJ76
PC50	3rd Drawer Set Sensor	J-48	PJ110
PC51	1st Drawer Lift-Up Motor Pulse Sensor	C-51 (*1)	PJ117 (*1)
		B-55 (*9)	PJ100 (*9)
PC52	2nd Drawer Lift-Up Motor Pulse Sensor	F-51 (*1)	PJ118 (*1)
		B-C-55 (*9)	PJ101 (*9)
PC55	3rd Drawer Elevator Motor Pulse Sensor	M-N-60~61	PJ22
PC56	3rd Drawer Shift Motor Pulse Sensor	L-M-60~61	PJ26
PC57	3rd Drawer Shift Tray Paper Empty Sensor	M-60~61	PJ27
PU1	DC Power Supply	F-G-62~64	
HV1	PC Drum Charge HV	C-E-15~16	
HV2	Image Transfer/Paper Separator HV	J-K-19~20	
HV3	Seal Bias (*6)	L-M-14~15	
RY1	Main Relay	D-63	
TF1	Exposure Lamp Thermal Fuse	E-31	
TF2	Fusing Roller Thermal Fuse	F-3~4	
SSR1	Upper Fusing Main Heater Lamp SSR	E-F-8 (*8)	
		C-D-8 (*4)	
SSR2	Upper Fusing Sub Heater Lamp SSR	F-8 (*8)	
		D-8 (*4)	
SSR3	Lower Fusing Heater Lamp SSR	F-G-8 (*8)	
		D-E-8 (*4)	
LA1	Exposure Lamp	E-31	
LA2	Main Erase Lamp	K-12~13 (*8)	
LD1	Image Erase Lamp	H-12~13 (*4)	
LD2	Pre-Image Transfer Erase Lamp	B-C-15	
		I-J-12 (*8)	
LD3	Pre-Cleaning Erase Lamp	F-G-12 (*4)	
		J-12 (*8)	
H1	Upper Fusing Roller Main Heater Lamp	E-3	
H2	Upper Fusing Roller Sub Heater Lamp	F-3	
H3	Lower Fusing Roller Heater Lamp	F-3	
H4	Drum Dry Heater	O-13	
H5	Developing Unit Dehumidifying Heater	M-13	
H6	Upper Paper Dehumidify Heater (*5)	N-65~66	
H7	Lower Paper Dehumidifying Heater (*5)	O-65~66	
CB1	Circuit Breaker 1	F-66 (*1)	
		G-66 (*9)	
CB2	Circuit Breaker 2 (*7)	G-66	
TH1	Upper Fusing Roller Thermistor	C-3	
TH2	Lower Fusing Roller Thermistor	D-3	
VR1	Manual Feed Size Detecting Resistor	J-43~44	
VR2	2nd Drawer Paper Size Detecting Resistor	P-65~66	
VS1	Guide Plate Varistor	-	
VS2	Manual Feed Varistor	-	
R1	Guide Plate Resistor	-	
CNT1	Total Counter	O-P-44	
CNT2	Plug-In Counter (Option)	L-M-44	

*1: USA, Canada Only	*6: Except USA, Canada Option
*2: 115V, 127V Areas and Korea Option	*7: 200V Areas Only
*3: USA, Canada Option	*8: EP6001 Only
*4: EP8015 Only	*9: Except USA, Canada
*5: USA, Canada and Europe Option	1161-E

## ◆ CONNECTORS LAYOUT



### Description

Number of Pin  $\rightarrow$  ① . . . . Possible to confirm by removing external cover.  
 $\rightarrow$  ① . . . . Not possible to confirm by removing external cover.

PJ No.		LOCATION ·GRID	PJ No.		LOCATION ·GRID	PJ No.		LOCATION ·GRID		
PWB-A		I~J-10~11	PJ13F	A9P		UN3		H-9		
PJ1A	4P			B8P		PJ1	10P			
PJ2A	A13P		PJ14F	A9P		PJ2	15P			
	B13P			B8P		PU1		F-10		
PJ3A	A8P		PJ15F	A9P		PJ1	2P			
	B6P			B8P		PJ2	6P			
PJ4A	A12P		PJ16F	6P		PJ3	4P			
	B10P		PJ17F	6P		PJ4	5P			
PJ5A	A14P		PWB-G			H~I-3	PJ5	5P		
	B14P		PJ1G	4P			HV1			H-10
PJ6A	A9P		PJ2G	12P			PJ1	2P		
	B9P		PJ3G	7P			PJ2	6P		
PJ7A	A10P		PJ4G	6P			PJ3	2P		
	B10P		PJ5G	6P			HV2		I~J-11	
PJ8A	A11P		PJ6G	4P			PJ1	2P		
	B11P		PJ7G	6P		PJ2	5P			
PJ12A	2P		PJ8G	4P	HV3		F-3			
PJ13A	4P	PWB-H		B~C-10	PJ1	3P				
PJ16A	A14P	PJ1H	4P		PJ2	3P				
	B11P	PWB-I		I-7	PWB-E1		J-11			
PJ17A	8P	PJ1I	8P		PJ1E	3P				
PJ18A	9P	PWB-J		H~I-11	PWB-E2					
PJ19A	10P	PJ1J	4P		PJ1E	3P	K-11			
PJ20A	12P	PJ2J	5P							
PJ21A	10P	PWB-O		J-7~8						
PJ22A	A12P	PJ1O	4P							
	B10P	PJ2O	8P							
PJ23A	A7P	PJ3O	5P							
	B8P	PJ4O	4P							
PWB-B		C-11	PWB-P		E~F-2~3					
PJ1B	2P		PJ1P	5P						
PJ2B	10P		PJ2P	9P						
PJ3B	8P		PWB-T			C-10				
PWB-C		E~F-7	PJ1T	4P						
PJ1C	6P		PJ2T	5P						
PJ2C	4P		PJ3T	6P						
PJ3C	3P		PWB-U			D~E-12				
PJ4C	5P		PJ1U	3P						
PJ5C	8P		PJ2U	4P						
PJ6C	6P		PJ3U	4P						
PJ7C	3P		UN1			B-9~11				
PJ8C	6P		PJ1	8P						
PWB-E			K-4	PJ2		20P				
PJ1E	3P			PJ3		12P				
PWB-F		E-7	PJ4	20P						
PJ1F	4P		UN2		H-10~11					
PJ5F	11P		PJ1	4P						
PJ6F	10P		PJ2	8P						
PJ7F	2P		PJ3	6P						
PJ8F	3P		PJ4	12P						
PJ9F	5P		PJ5	3P						
PJ10F	2P		PJ6	6P						
PJ11F	9P									

CN No.		TYPE	LOCATION
CN4	5P	YL	E~F-9
CN6	6P	YL	I-6
CN7	1P	L	C-2
CN8	1P	L	C-2
CN9	1P	L	C-1~2
CN12	1P	L	C-5
CN14	2P	YL	H~I-12
CN15	2P	YL	I-12
CN20	15P	YL	E-9
CN21	15P	YL	E-8
CN22	8P	SM	J-7
CN23	2P	SM	C-3
CN24	4P	SM	D-3
CN25	4P	SM	C-4
CN29	11P	CT	J-8
CN30	4P	SM	J-8~9
CN31	8P	SM	D-8
CN32	2P	SM	J-9
CN33	4P	SM	J-8
CN37	2P	CT	J-11~12
CN40	3P	CT	I-12
CN41	3P	SM	J-12
CN42	2P	CT	K-8
CN43	24P	OR	I-7
CN44	10P	SM	E-2
CN46	2P	SM	F-2
CN47	4P	SM	E-4
CN48	8P	OR	C-7
CN49	2P	SM	E-3
CN50	3P	SM	E-3~4
CN51	2P	CT	E-2
CN52	2P	SM	F-3
CN53	6P	CT	I-8
CN54	6P	CT	D-8
CN57	3P	CT	D-8
CN58	12P	OR	D-7
CN60	2P	CT	H-3
CN61	7P	CT	G-4
CN62	6P	SM	H-1
CN64	2P	SM	H-3
CN65	2P	CT	G-4
CN66	2P	SM	G-3
CN67	2P	SM	G-4
CN71	2P	CT	I-7
CN72	2P	CT	J-9
CN80	2P	SM	J-9
CN81	3P	SM	D-11
CN82	3P	CT	D-7
CN83	10P	SM	C-6
CN84	2P	CT	D-6
CN85	2P	CT	D-E-7~8
CN86	3P	SM	E-8
CN89	12P	LATTICE	D-9
CN90	12P	LATTICE	E-9

CN No.		TYPE	LOCATION
CN91	12P	LATTICE	D-6~7
CN93	4P	SM	K-9
CN94	3P	SM	I~J-12
CN96	3P	CT	E-8
CN98	3P	CT	D-10
CN99	8P	SM	C-7
CN100	3P	CT	E-9
CN101	3P	CT	D-7
CN102	2P	SM	E-4
CN103	3P	CT	D-7
CN104	2P	SM	I-9~10
CN105	3P	CT	I-10
CN107	2P	CT	J-11~12
CN108	2P	CT	K-11~12
CN110	2P	CT	E-7
CN111	2P	CT	E-7
CN114	3P	SM	J-11
CN117	3P	CT	J-10
CN118	3P	CT	J-10
CN120	4P	SM	F-7
CN121	2P	SM	F-8~9
CN122	2P	SM	L-8
CN124	3P	CT	J-7
CN125	4P	CT	J-7~8
CN126	6P	CT	E-12
CN128	6P	CT	C-6~7
CN129	8P	CT	C-6
CN137	10P	CT	D-8
CN138	5P	CT	D-8
CN141	3P	CT	D-9
CN143	5P	CT	F-8
CN144	5P	CT	F-8
CN145	3P	CT	C~D-7
CN146	3P	CT	E-8
CN147	3P	CT	E-8
CN150	2P	SM	E-3
CN152	6P	CT	F-8
CN153	6P	CT	F-8
CN157	2P	SM	F-2
CN158	9P	YL	H-7
CN160	3P	SM	E-6
CN170	3P	CT	J-7
CN175	2P	SM	C-6
CN177	2P	YL	F-10
CN179	2P	SM	E-2

1161-B401-0A

<sup>2</sup>

\*1

<sup>\*</sup>2

\*3

\*1

\*1

\*3