

**CONNECTORS LAYOUT**

The diagram illustrates the 3D perspective layout of the 4030M502AB connector. The layout is defined by a grid with columns numbered 1 to 15 and rows labeled A to L. The connector is shown as a complex, multi-faceted structure with various pins and connectors labeled. The labels are categorized by their location and confirmation status:

- Top Surface:** CN29, CN22, CN14, CN25, CN4, CN13, CN44, CN53, CN55, CN50, CN17, CN81, CN23, CN80, CN11, CN70, CN51, CN47, CN3, CN46, CN73, CN16, CN52, CN43, CN12, CN27, CN82, CN45, CN42, CN28, CN32, CN49, CN54, CN71, CN26, CN24, CN5, CN31, CN30, CN2, CN18, CN19, CN20, CN1, CN10, CN21.
- Bottom Surface:** CN1, CN2, CN3, CN4, CN5, CN6, CN7, CN8, CN9, CN10, CN11, CN12, CN13, CN14, CN15, CN16, CN17, CN18, CN19, CN20, CN21, CN22, CN23, CN24, CN25, CN26, CN27, CN28, CN29, CN30, CN31, CN32, CN33, CN34, CN35, CN36, CN37, CN38, CN39, CN40, CN41, CN42, CN43, CN44, CN45, CN46, CN47, CN48, CN49, CN50, CN51, CN52, CN53, CN54, CN55, CN56, CN57, CN58, CN59, CN60, CN61, CN62, CN63, CN64, CN65, CN66, CN67, CN68, CN69, CN70, CN71, CN72, CN73, CN74, CN75, CN76, CN77, CN78, CN79, CN80, CN81, CN82, CN83, CN84, CN85, CN86, CN87, CN88, CN89, CN90, CN91, CN92, CN93, CN94, CN95, CN96, CN97, CN98, CN99, CN100.

**Legend:**

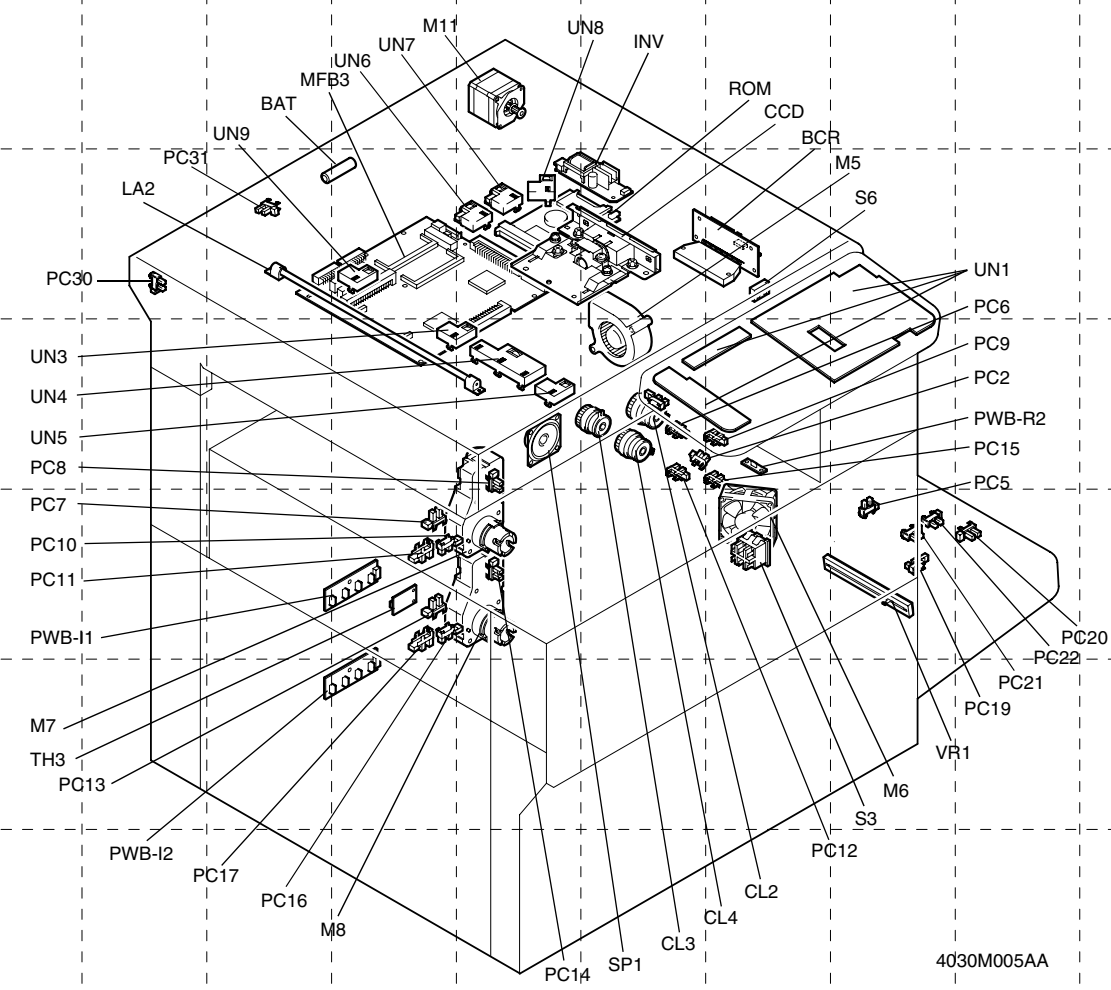
- ① Possible to confirm by removing external cover.
- 1 Not possible to confirm by removing external cover.

**4030M502AB**

CN No.		LOCATION	GRID
CN1	3P	E-22	H-I-4
CN2	2P	D~E-11	G-7
CN3	2P	C-17	F-8
CN4	2P	C-19	D-6
CN5	2P	A~B-8	G-7
CN10	26P	A~C-27	E-4
CN11	22P	B~D-25~26	F-6
CN12	15P	C~D-27	F-8
CN13	8P	D~E-25~26	D~E-8
CN14	11P	D~E-27	D-8
CN15	8P	A~B-13~14	F-8
CN16	3P	F-2	F-11
CN17	7P	E-2	E-8
CN18	12P	A~B-25~26	H-5~6
CN19	2P	B-25~26	H-5~6
CN20	2P	B-13~14	H-5
CN22	2P	I-14	D-6
CN23	2P	E-14	E-7
CN24	2P	F-16~17	G-11
CN25	4P	G-16~17	D-9
CN26	6P	B-9	G-10
CN27	4P	H-2	F-8
CN28	12P	A~B-2	F-8
CN29	9P	D~E-18	D-6
CN30	3P	B-2	G-8
CN31	14P	A~B-2	G-8
CN32	11P	C-2	F~G-8
CN42	3P	F-16~17	F~G-9
CN43	3P	C-13~14	F~G-6~7
CN44	3P	D-27	E-8
CN45	2P	G-2	F-9
CN46	2P	H-2	F-9
CN47	2P	A~B-5	F-8
CN48	2P	E-11	F-10
CN49	2P	D-2	G-9
CN50	2P	—	E-8
CN51	2P	—	F-8
CN52	2P	E-14	F-7
CN53	2P	E~F-14	E-7
CN54	2P	A-2	G-9
CN55	2P	—	E-8
CN70	2P	C-14	E~F-7
CN71	3P	B-2	G-9
CN73	1P	F-2	F-10
CN80	4P	E-2	E-8~9
CN81	4P	D-2	E-8
CN82	2P	D-14	F-9

This exploded view diagram illustrates the internal components of the 4030M001AB power supply unit. The components are shown in their relative positions for assembly, with callouts identifying each part:

- Top Cover Components:** TH4 (Top Cover), PC1 (Top Cover Screws), SL2 (Top Cover Screws), S4 (Top Cover Screws), SL1 (Top Cover Screws), M4 (Top Cover Screws), S1 (Top Cover Screws), AC Connector (AC Connector), PH (Top Cover Screws), PU1 (Top Cover Screws).
- Internal Components:** PWB-A (Power Board Assembly), M1 (Power Board Assembly), M2 (Power Board Assembly), CL1 (Power Board Assembly), SL4 (Power Board Assembly), M3 (Power Board Assembly), S2 (Power Board Assembly), CL6 (Power Board Assembly), PC23 (Power Board Assembly), CL7 (Power Board Assembly), PC4 (Power Board Assembly), TH2 (Power Board Assembly), PC24 (Power Board Assembly), M10 (Power Board Assembly), R3 (Power Board Assembly), PC25 (Power Board Assembly), TH1 (Power Board Assembly), TS1 (Power Board Assembly), H2 (Power Board Assembly), H1 (Power Board Assembly), LA1 (Power Board Assembly), CNT1 (Power Board Assembly), HV1 (Power Board Assembly), PC3 (Power Board Assembly), PC29 (Power Board Assembly), CL5 (Power Board Assembly), SL3 (Power Board Assembly).
- Bottom Cover Components:** TH4 (Bottom Cover), PC1 (Bottom Cover Screws), SL2 (Bottom Cover Screws), S4 (Bottom Cover Screws), SL1 (Bottom Cover Screws), M4 (Bottom Cover Screws), S1 (Bottom Cover Screws), AC Connector (AC Connector), PH (Bottom Cover Screws), PU1 (Bottom Cover Screws).



SYMBOL	PART NAME	LOCATION	GRID
BAT	Ni-MH Battery	—	H-6~7
BCR	BCR Board	A~D-20~21	H-9~10
CCD	CCD Board	C~E-18	H-8~9
CL1	Synchronizing Roller Clutch	G-1	B-8
CL2	Transport Roller Clutch	H-1~2	I-9
CL3	1st Drawer Paper Take-Up Clutch 1	A-5	I-8~9
CL4	2nd Drawer Paper Take-Up Clutch 2	E-11	I-9
CL5	Manual Feed Paper Take-Up Clutch	D-2	D-9~10
CL6	Duplex Unit Transport Clutch 1	H-17	B-8
CL7	Duplex Unit Transport Clutch 2	H-17	B~C-8
CNT1	Total Counter	G-25	D-11
H1	Fusing Roller Heater Lamp	E-1~2	B~C-8~10
H2	Fusing Roller Sub Heater Lamp	F-1~2	B~C-8~10
HV1	High Voltage Unit	G~H-22~23	C~D-8~10
INV	Inverter Board	C-19~20	H-8~9
LA1	Eraser Lamp	C~D-14	C~D-8~9
LA2	Exposure Lamp	C-19	H~I-6~8
M1	IU Motor	B-14	B~C-7~8
M2	Transport Motor	H-1	B~C-8
M3	Switchback Motor	E-17	B-8
M4	Power Unit Cooling Fan Motor	H-22~23	D-5~6
M5	Cooling Fan Motor	F~G-25	H~I-8~9
M6	IU Cooling Fan Motor	C-14	I~J-10
M7	1st Drawer Lift-Up Motor	A~B-8	I~J-7~8
M8	2nd Drawer Lift-Up Motor	D~E-11	J-7~8
M10	Fusing Unit Cooling Fan Motor	F-17	B-10
M11	Scanner Motor	C-20	G-8
MFB3	MFB3 Board	F~I-13~15	H~I-6~8
PC1	Synchronizing Roller Sensor	G-1	C-9
PC2	2nd Drawer Vertical Transport Sensor	H-1	I-9
PC3	Right Lower Door Set Sensor	I-25	E~11
PC4	Exit Sensor	I-1	B-9
PC5	Front Door Set Sensor	H~I-25	J-11
PC6	1st Drawer Paper Lift-Up Sensor	B-8	I-9
PC7	1st Drawer Set Sensor	B-5	J-7
PC8	1st Drawer Paper Near-Empty Sensor	A~B-5	I-8
PC9	1st Drawer Paper Empty Sensor	B-8	I-10
PC10	1st Drawer CD Paper Size Detecting Sensor 2	B~C-5	J-7~8
PC11	1st Drawer CD Paper Size Detecting Sensor 1	B-5	J-7
PC12	2nd Drawer Paper Lift-Up Sensor	A~B-11	I-9
PC13	2nd Drawer Set Sensor	B~C-11	J-7
PC14	2nd Drawer Paper Near-Empty Sensor	B-11	J-8
PC15	2nd Drawer Paper Empty Sensor	A-11	I-10
PC16	2nd Drawer CD Paper Size Detecting Sensor 2	C-11	J-7~8
PC17	2nd Drawer CD Paper Size Detecting Sensor 1	C-11	J-7
PC19	Manual Feed Tray FD Paper Size Detecting Sensor 1	C-2	J-11
PC20	Manual Feed Tray FD Paper Size Detecting Sensor 2	C-2	J-12
PC21	Manual Feed Tray FD Paper Size Detecting Sensor 3	C-2	J-11
PC22	Manual Feed Tray FD Paper Size Detecting Sensor 4	A-2	J-11
PC23	Duplex Unit Door Set Sensor	H-17	B-8~9
PC24	Duplex Unit Upper Transport Sensor	G-17	B-9
PC25	Duplex Unit Lower Transport Sensor	G-17	C-9
PC29	Manual Feed Tray Lift-Up Sensor	B-2	D-10
PC30	Scanner Home Position Sensor	D~E-23	H-5
PC31	Original Cover Detecting Sensor	E-23	H-6

SYMBOL	PART NAME	LOCATION	GRID
PH	PH Unit	F-1-10~15	D-E-7~8
PU1	Power Supply Unit 1	F-1-19~21	D-E-6~9
PWB-A	Master Board	C-H-3~9	B-C-6~7
PWB-I1	Paper Size Detection Board 1	A-8	J-6~7
PWB-I2	Paper Size Detection Board 2	D-11	J-K-6~7
PWB-R2	Pre-Transfer Guide Plate Resistor Board	D-14	I-10
R3	Pre-Transfer Guide Plate Resistor	G-23	B-9
ROM	ROM Board	G-H-13	H-8~9
S1	Main Switch	F-25	D-E-5~6
S2	Right Side Door Interlock Switch 1	H-25	B-8
S3	Right Side Door Interlock Switch 2	H-25	J-10
S4	Sub Hopper Toner Empty Switch	E-14	C-7~8
S6	Size Reset Switch	C-D-20	H-10
SL1	Sub Hopper Toner Solenoid	E-14	C-7
SL2	Main Hopper Toner Solenoid	F-14	C-7
SL3	Manual Paper Feed Pick-Up Solenoid	A-2	D-10
SL4	Switchback Solenoid	E-F-17	B-7~8
SP1	Speaker	C-D-16~17	I-8
TH1	Fusing Roller Thermistor	E-1~2	C-9
TH2	Fusing Roller Sub Thermistor	D-1~2	C-8~9
TH3	Temperature/Humidity Sensor	B-14	J-7
TH4	Drum Thermistor	D-14	C-8~9
TS1	Fusing Roller Thermostat	E-2	C-10
UN1	Control Panel	A-C-17~18	H-I-9~11
UN3	Original Size Detecting Sensor 1	A-23	I-7~8
UN4	Original Size Detecting Sensor 2	A-B-23	I-8
UN5	Original Size Detecting Sensor 3	B-C-23	I-8
UN6	Original Size Detecting Sensor 4	B-C-23	H-8
UN7	Original Size Detecting Sensor 5	C-23	H-8
UN8	Original Size Detecting Sensor 6	D-23	H-8
UN9	Original Size Detecting Sensor 7	D-23	H-7
VR1	Manual Paper Size Detection Unit	B-2	J-10~11
—	AC Connector	—	E-5~6