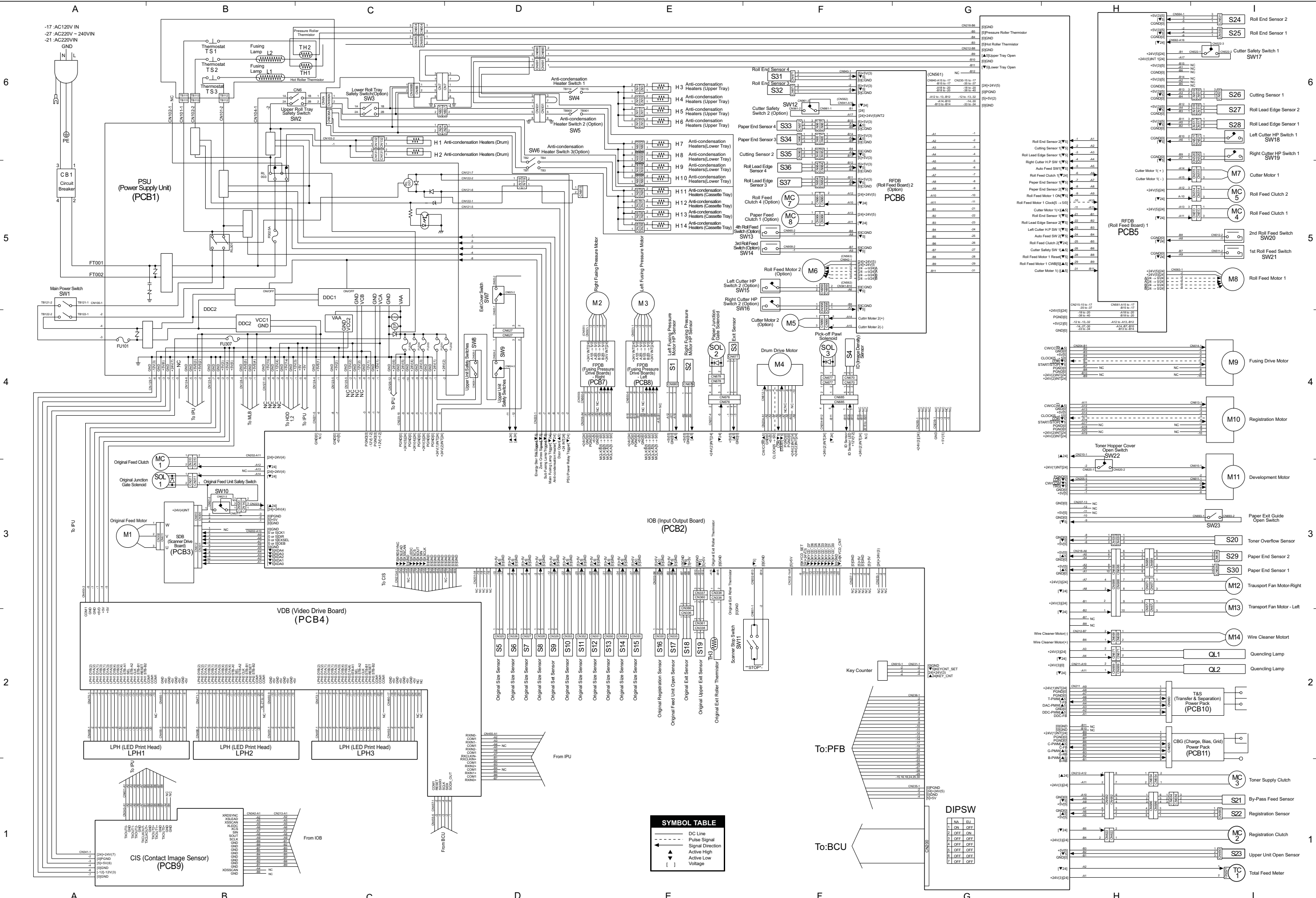
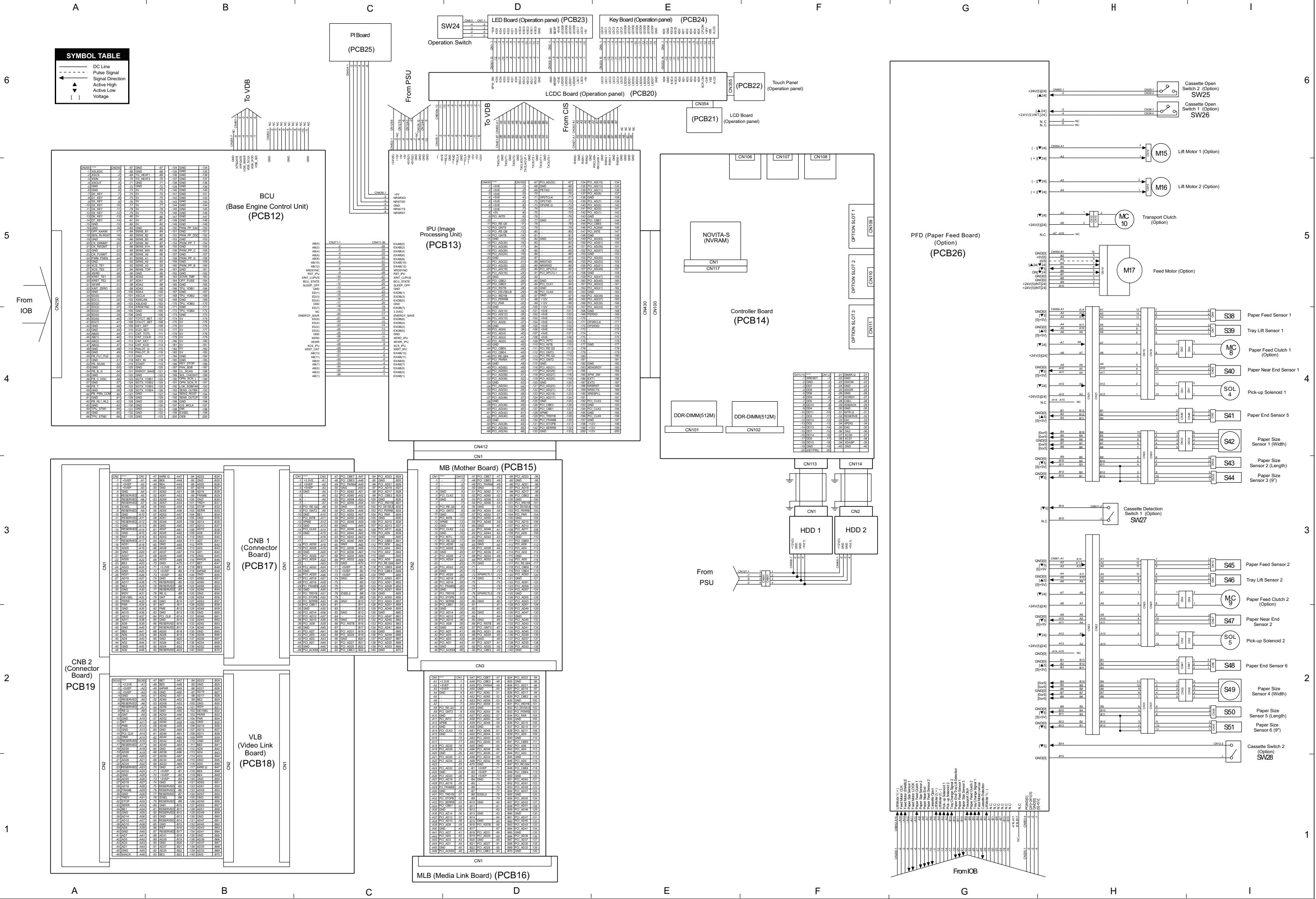


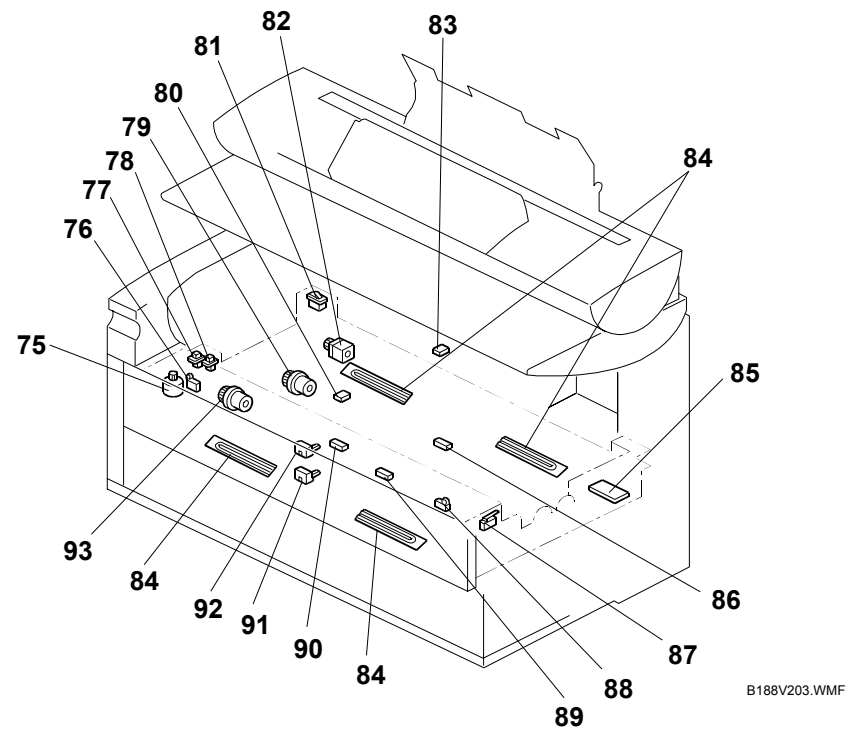
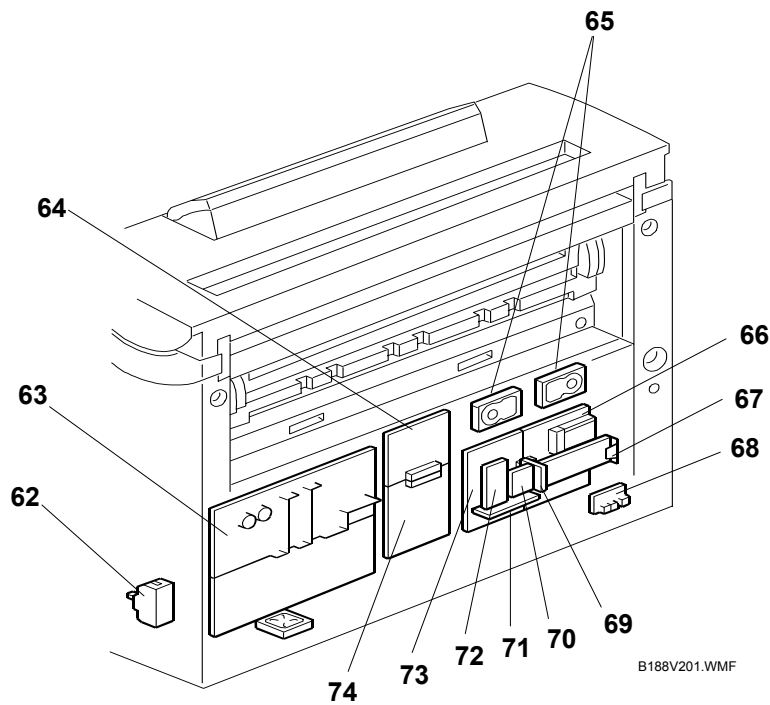
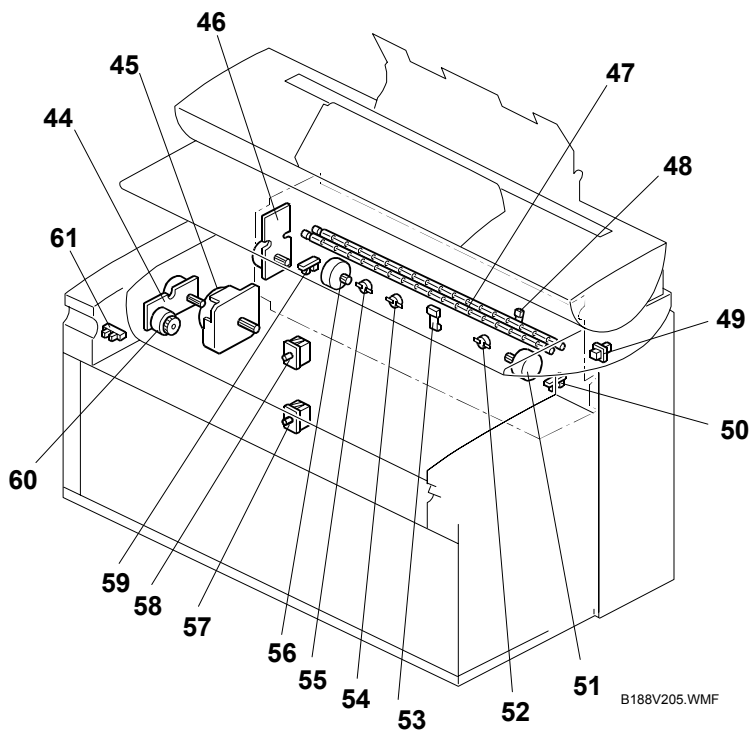
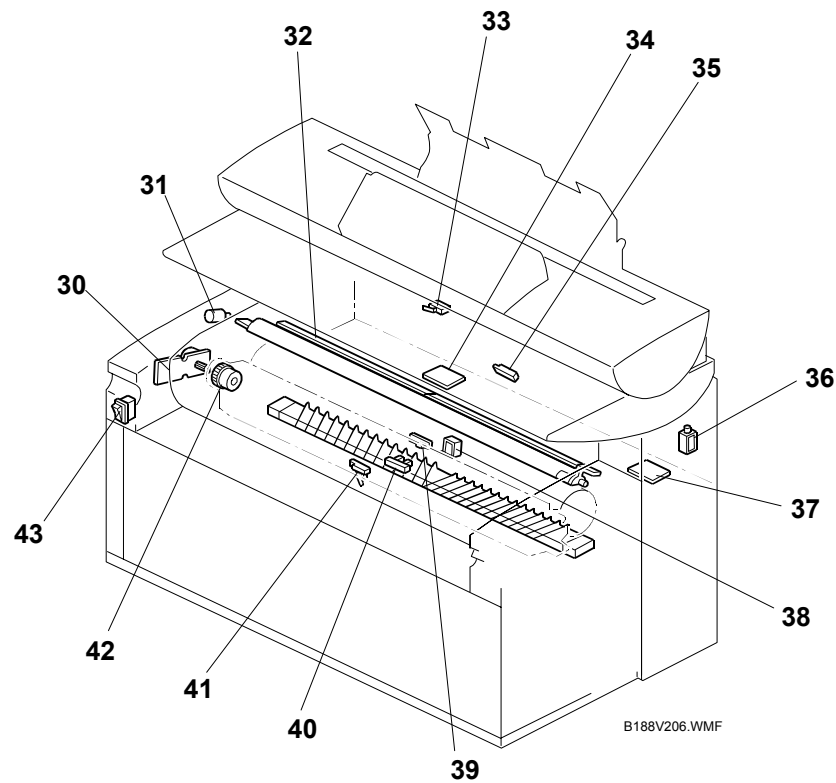
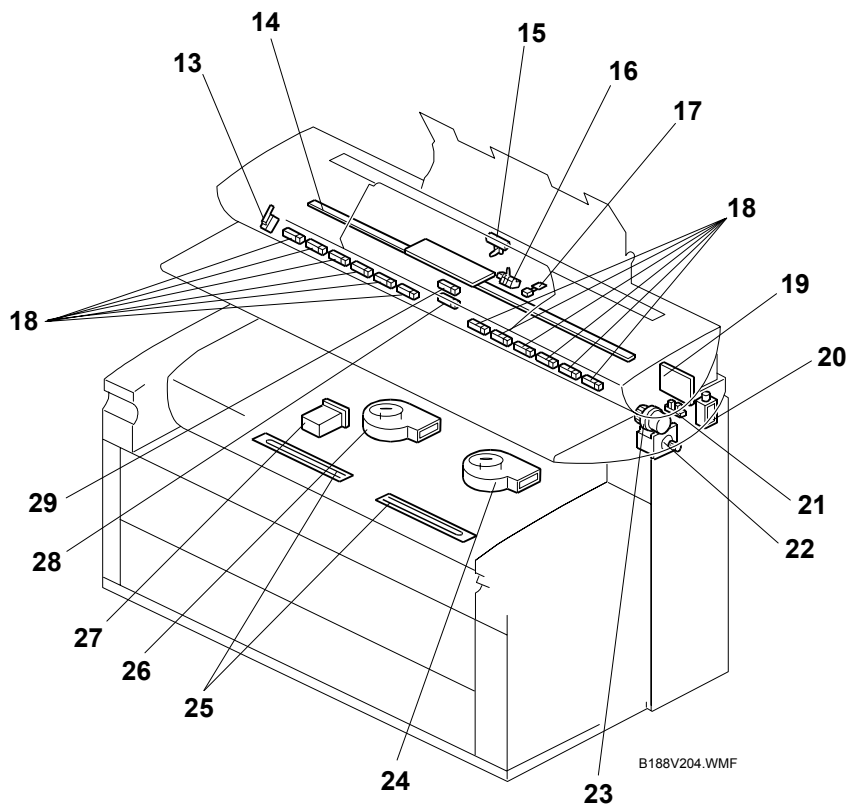
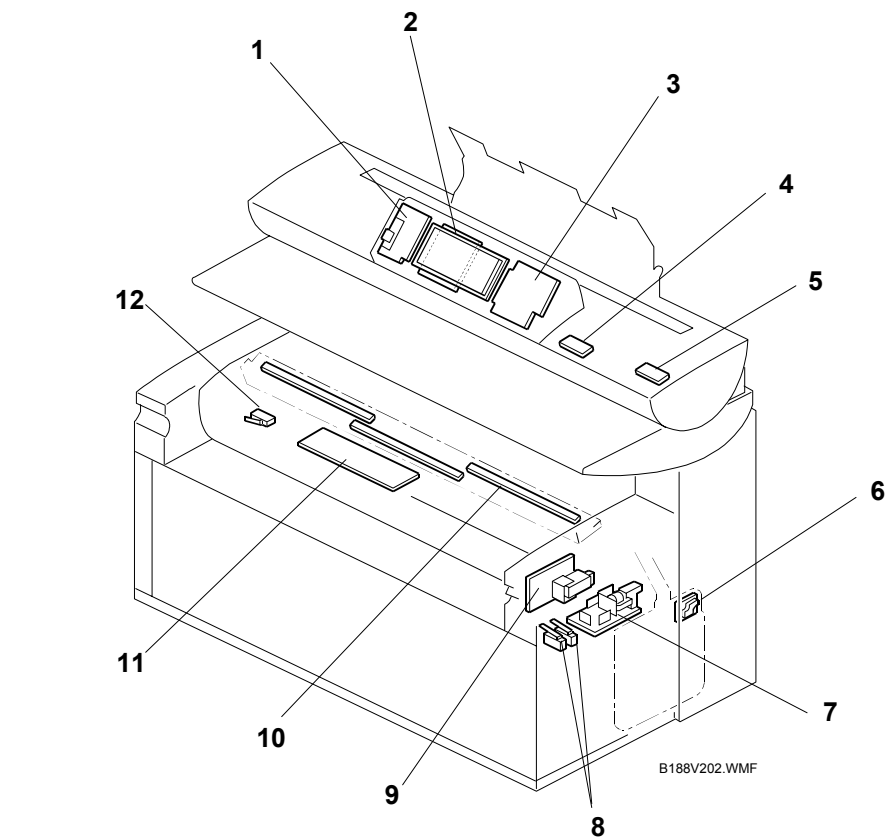
B188 POINT TO POINT DIAGRAM(1/2)



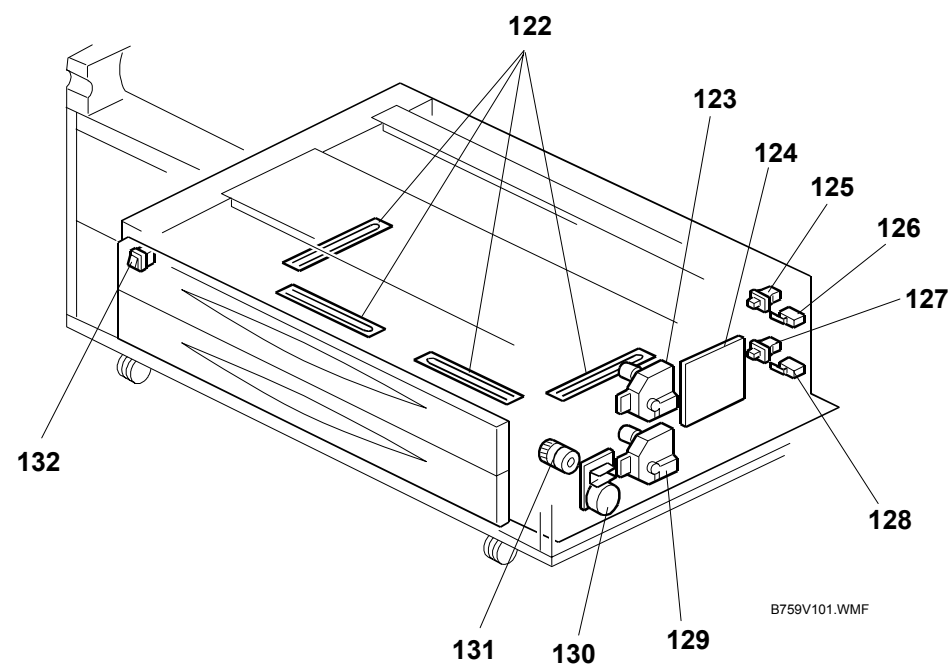
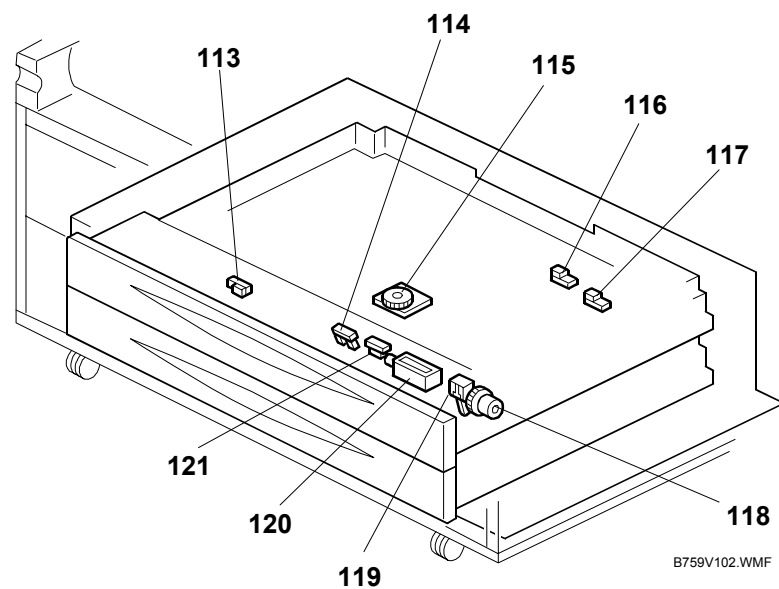
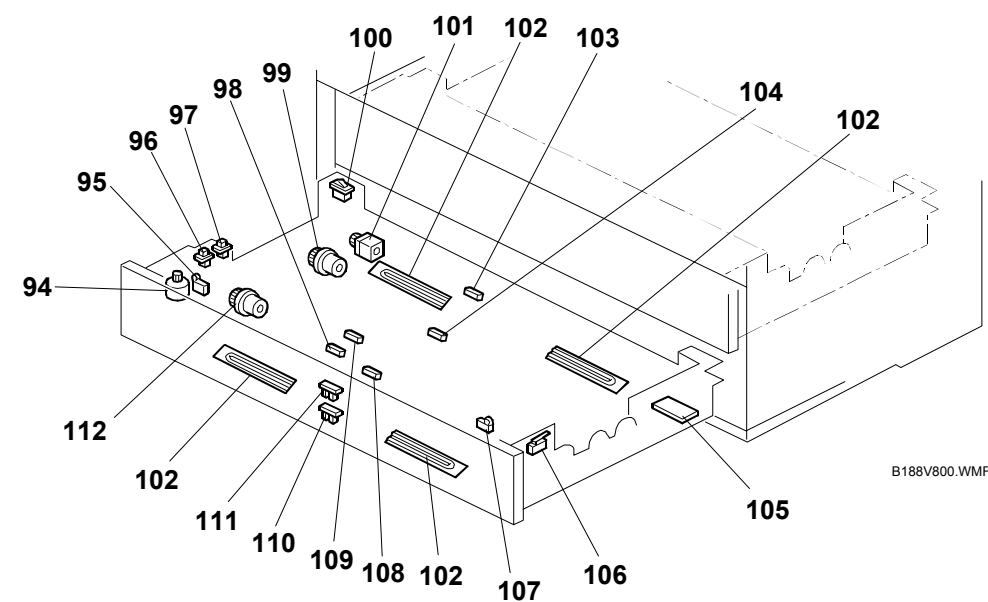
B188POINT TO POINT DIAGRAM(2/2)



B188 ELECTRICAL COMPONENT LAYOUT (1/2)



B188 ELECTRICAL COMPONENT LAYOUT (2/2)



Symbol	Name	Index No.	P-to-P	Page
Boards				
PCB1	PSU (Power Supply Unit)	63	B5	1/2
PCB2	IOB (Input Output Board)	74	E3	1/2
PCB3	SDB (Scanner Drive Board)	19	B3	1/2
PCB4	VDB (Video Drive Board)	11	B2	1/2
PCB5	RFDB (Roll Feed Board) 1	85	H5	1/2
PCB6	RFDB (Roll Feed Board) 2 (Option)	105	F5	1/2
PCB7	FPDB (Fusing Pressure Drive Boards) - Right	37	D4	1/2
PCB8	FPDB (Fusing Pressure Drive Boards) - Left	34	E4	1/2
PCB9	CIS (Contact Image Sensor)	14	B1	1/2
PCB10	T&S (Transfer & Separation) Power Pack	9	H2	1/2
PCB11	CBG (Charge, Bias, Grid) Power Pack	7	H2	1/2
PCB12	BCU (Base Engine Control Unit)	64	B5	2/2
PCB13	IPU (Image Processing Unit)	73	D5	2/2
PCB14	Controller Board	66	F4	2/2
PCB15	MB (Mother Board)	71	D3	2/2
PCB16	MLB (Media Link Board)	72	D1	2/2
PCB17	CNB (Connector Board) 1	70	B3	2/2
PCB18	VLB (Video Link Board)	67	B2	2/2
PCB19	CNB (Connector Board) 2	69	A2	2/2
PCB20	LCDC Board (Operation panel)	2	D6	2/2
PCB21	LCD Board (Operation panel)	2	E6	2/2
PCB22	Touch Panel (Operation panel)	2	F6	2/2
PCB23	LED Board (Operation panel)	1	D6	2/2
PCB24	Key Board (Operation panel)	3	E6	2/2
PCB25	PI Board	68	C6	2/2
PCB26	PFD (Paper Feed Board) (Option)	124	G5	2/2
Motors				
M1	Original Feed Motor	22	A3	1/2
M2	Right Fusing Pressure Motor	51	E4	1/2
M3	Left Fusing Pressure Motor	56	E4	1/2
M4	Drum Drive Motor	30	F4	1/2
M5	Cutter Motor 2 (Option)	94	F4	1/2
M6	Roll Feed Motor 2 (Option)	101	F5	1/2
M7	Cutter Motor 1	75	I5	1/2
M8	Roll Feed Motor 1	82	I5	1/2
M9	Fusing Drive Motor	46	I4	1/2
M10	Registration Motor	44	I4	1/2
M11	Development Motor	45	I3	1/2
M12	Transport Fan Motor - Right	24	I3	1/2
M13	Transport Fan Motor - Left	26	I2	1/2
M14	Wire Cleaner Motor	31	I2	1/2
M15	Lift Motor 1 (Option)	123	H5	2/2
M16	Lift Motor 2 (Option)	129	H5	2/2
M17	Feed Motor (Option)	130	H5	2/2
Switches				
SW1	Main Power Switch	43	A5	1/2
SW2	Upper Roll Tray Safety Switch	58	C6	1/2
SW3	Lower Roll Tray Safety Switch (Option)	57	C6	1/2
SW4	Anti-condensation Heater Switch 1	81	D6	1/2
SW5	Anti-condensation Heater Switch 2 (Option)	100	D6	1/2
SW6	Anti-condensation Heater Switch 3 (Option)	132	D5	1/2
SW7	Exit Cover Switch	33	D5	1/2
SW8 ~ 9	Upper Unit Safety Switches	8	D4	1/2
SW10	Original Feed Unit Safety Switch	13	B3	1/2
SW11	Scanner Stop Switch	5	E2	1/2
SW12	Cutter Safety Switch 2 (Option)	106	F6	1/2
SW13	4th Roll Feed Switch (Option)	97	F5	1/2
SW14	3rd Roll Feed Switch (Option)	96	F5	1/2
SW15	Left Cutter HP Switch 2 (Option)	95	F5	1/2
SW16	Right Cutter HP Switch 2 (Option)	107	F4	1/2
SW17	Cutter Safety Switch 1	87	I6	1/2
SW18	Left Cutter HP Switch 1	76	I6	1/2
SW19	Right Cutter HP Switch 1	88	I6	1/2
SW20	2nd Roll Feed Switch	78	I5	1/2
SW21	1st Roll Feed Switch	77	I5	1/2
SW22	Toner Hopper Cover Open Switch	12	H3	1/2
SW23	Paper Exit Guide Open Switch	49	I3	1/2
SW24	Operation Switch	4	D6	2/2
SW25	Cassette Open Switch 2 (Option)	127	H6	2/2
SW26	Cassette Open Switch 1 (Option)	125	H6	2/2
SW27	Cassette Detection Switch 1 (Option)	126	H3	2/2
SW28	Cassette Detection Switch 2 (Option)	128	I1	2/2

Symbol	Name	Index No.	P-to-P	Page
Clutches				
MC1	Original Feed Clutch	23	B3	1/2
MC2	Registration Clutch	60	I1	1/2
MC3	Toner Supply Clutch	42	I1	1/2
MC4	Roll Feed Clutch 1	93	I5	1/2
MC5	Roll Feed Clutch 2	79	I5	1/2
MC6	Roll Feed Clutch 3 (Option)	112	F5	1/2
MC7	Roll Feed Clutch 4 (Option)	99	F5	1/2
MC8	Paper Feed Clutch 1 (Option)	118	I4	2/2
MC9	Paper Feed Clutch 2 (Option)	118	I3	2/2
MC10	Transport Clutch (Option)	131	H5	2/2
Solenoids				
SOL1	Original Junction Gate Solenoid	20	B3	1/2
SOL2	Paper Junction Gate Solenoid	36	E4	1/2
SOL3	Pick-off Pawl Solenoid	38	F4	2/2
SOL4	Pick-up Solenoid 1	120	I4	2/2
SOL5	Pick-up Solenoid 2	120	I2	2/2
Sensors				
S1	Left Fusing Pressure Motor HP Sensor	59	E4	1/2
S2	Right Fusing Pressure Motor HP Sensor	50	E4	1/2
S3	Exit Sensor	35	E4	1/2
S4	ID (Image Density) Sensor	39	F4	1/2
S5-S8	Original Size Sensor	18	D2	1/2
S10-S15				
S9	Original Set Sensor	29	D2	1/2
S16	Original Registration Sensor	28	E2	1/2
S17	Original Feed Unit Open Sensor	21	E2	1/2
S18	Original Exit Sensor	16	E2	1/2
S19	Original Upper Exit Sensor	15	E2	1/2
S20	Toner Overflow Sensor	6	I3	1/2
S21	By-Pass Feed Sensor	41	I1	1/2
S22	Registration Sensor	40	I1	1/2
S23	Upper Unit Open Sensor	61	I1	1/2
S24	Roll End Sensor 2	83	I6	1/2
S25	Roll End Sensor 1	80	I6	1/2
S26	Cutting Sensor 1	90	I6	1/2
S27	Roll Lead Edge Sensor 2	91	I6	1/2
S28	Roll Lead Edge Sensor 1	92	I6	1/2
S29	Paper End Sensor 2	86	I3	1/2
S30	Paper End Sensor 1	89	I3	1/2
S31	Roll End Sensor 4	103	F6	1/2
S32	Roll End Sensor 3	109	F6	1/2
S33	Paper End Sensor 4	104	F6	1/2
S34	Paper End Sensor 3	108	F6	1/2
S35	Cutting Sensor 2	98	F5	1/2
S36	Roll Lead Edge Sensor 4	110	F5	1/2
S37	Roll Lead Edge Sensor 3	111	F5	1/2
S38	Paper Feed Sensor 1	113	F4	2/2
S39	Tray Lift Sensor 1	114	F4	2/2
S40	Paper Near End Sensor 1	119	F4	2/2
S41	Paper End Sensor 5	121	F4	2/2
S42	Paper Size Sensor 1 (Width)	115	F4	2/2
S43	Paper Size Sensor 2 (Length)	116	F3	2/2
S44	Paper Size Sensor 3 (9")	117	F3	2/2
S45	Paper Feed Sensor 2	113	F3	2/2
S46	Tray Lift Sensor 2	114	F3	2/2
S47	Paper Near End Sensor 2	119	F2	2/2
S48	Paper End Sensor 6	121	F2	2/2
S49	Paper Size Sensor 4 (Width)	115	F2	2/2
S50	Paper Size Sensor 5 (Length)	116	F2	2/2
S51	Paper Size Sensor 6 (9")	117	F2	2/2
Others				
L1	Fusing Lamp	47	B6	1/2
L2	Fusing Lamp	47	B6	1/2
TH1	Hot Roller Thermistor	53	C6	1/2
TH2	Pressure Roller Thermistor	48	C6	1/2
TH3	Original Exit Roller Thermistor	17	E2	1/2
TS1	Thermostat (199C)	52	B6	1/2
TS2	Thermostat (200C)	54	B6	1/2
TS3	Thermostat (199C)	55	B6	1/2
CB1	Circuit Breaker	62	A5	1/2
H1 ~ 2	Anti-condensation Heaters (Drum)	25	C5	1/2
H3 ~ 6	Anti-condensation Heaters (Upper Tray)	84	E6	1/2
H7 ~ 10	Anti-condensation Heaters (Lower Tray) (Option)	102	E5	1/2
H11 ~ 14	Anti-condensation Heaters (Cassette Tray) (Option)	122	E5	1/2
LPH1 ~ 3	LPH (LED Print Head)	10	B2	1/2
TC1	Total Feed Meter (Recycle Counter)	27	I1	1/2
QL1 ~ 2	Quenching Lamps	32	I2	1/2
HDD1	HDD1	65	F3	2/2
HDD2	HDD2	65	F3	2/2