B234 Point toPoint Diagram 1/3

Connector Board
PCB25

CN121 — CN101 — SBU PCB18 — CN102 — CN122

CN123 — CN454

CN101 / SBUIPU/F1

pin	Signame	pin	Signame
A1	GND	B10	GND
A2	F2_TA-	B9	F2_TA+
A3	F2_TB-	B8	F2_TB+
A4	F2_TC-	B7	F2_TC+
A5	F2_TCLK-	B6	F2_TCLK+
A6	GND	B5	GND
A7	F1_TA-	B4	F1_TA+
A8	F1_TB-	B3	F1_TB+
A9	F1_TC-	B2	F1_TC+
A10	F1_TCLK-	B1	F1_TCLK+

CN102 / SBUIPU/F2

pin	Signame	pin	Signame
A1	GND	B10	GND
A2	L2_TA-	B9	L2_TA+
A3	L2_TB-	B8	L2_TB+
A4	L2_TC-	B7	L2_TC+
A5	L2_TCLK-	B6	L2_TCLK+
A6	GND	B5	GND
A7	L1_TA-	B4	L1_TA+
A8	L1_TB-	B3	L1_TB+
A9	L1_TC-	B2	L1_TC+
A10	L1_TCLK-	B1	L1_TCLK+

CN454 / SBUI/F

pin	Signame	pin	Signame
A1	GND	B20	GND
A2	F2_RA-	B19	F2_RA+
A3	F2_RB-	B18	F2_RB+
A4	F2_RC-	B17	F2_RC+
A5	F2_RCLK-	B16	F2_RCLK+
A6	GND	B15	GND
A7	F1_RA-	B14	F1_RA+
A8	F1_RB-	B13	F1_RB+
A9	F1_RC-	B12	F1_RC+
A10	F1_RCLK-	B11	F1_RCLK+
A11	GND	B10	GND
A12	L2_RA-	B9	L2_RA+
A13	L2_RB-	B8	L2_RB+
A14	L2_RC-	B7	L2_RC+
A15	L2_RCLK-	B6	L2_RCLK+
A16	GND	B5	GND
A17	L1_RA-	B4	L1_RA+
A18	L1_RB-	B3	L1_RB+
A19	L1_RC-	B2	L1_RC+
A20	L1_RCLK-	B1	L1_RCLK+

CN450

pin	Signame	pin	Signame
1	GND	31	+5V
2	A1	32	+5V
3	CS_N	33	+5V
4	RD_N	34	GND
5	D0	35	GND
6	D2	36	SET_N
7	D4	37	XSFGATE
8	D6	38	XLSYNC
9	GND	39	GCL
10	ERR0	40	IMG0
11	ERR2	41	IMG2
12	GND	42	GND
13	IMG14	43	IMG5
14	IMG12	44	IMG7
15	IMG11	45	IMG8
16	IMG9	46	IMG10
17	GND	47	GND
18	IMG6	48	IMG13
19	IMG4	49	IMG15
20	IMG3	50	ERR3
21	IMG1	51	ERR1
22	GND	52	RES_N
23	GND	53	D7
24	XLGATE	54	D5
25	XSHGATE	55	D3
26	GND	56	D1
27	GND	57	GND
28	GND	58	WR_N
29	+5V	59	GND
30	+5V	60	A0

Mother Board — CN566 / CN451 — IPU PCB6 — CN460

IPU_CS2	1	1	IPU_CS2
IPU_CS1	2	2	IPU_CS1
IPU_AD16	3	3	IPU_AD16
IPU_AD17	4	4	IPU_AD17
IPU_AD18	5	5	IPU_AD18
IPU_AD19	6	6	IPU_AD19
IPU_AD20	7	7	IPU_AD20
IPU_AD21	8	8	IPU_AD21
IPU_AD22	9	9	IPU_AD22
IPU_AD23	10	10	IPU_AD23
IPU_AD24	11	11	IPU_AD24
IPU_AD25	12	12	IPU_AD25
IPU_AD26	13	13	IPU_AD26
IPU_AD27	14	14	IPU_AD27
IPU_AD28	15	15	IPU_AD28
IPU_AD29	16	16	IPU_AD29
IPU_AD30	17	17	IPU_AD30
IPU_AD31	18	18	IPU_AD31
IPU_RD	19	19	IPU_RD
IPU_WR	20	20	IPU_WR
IPU_DT00	21	21	IPU_DT00
IPU_DT01	22	22	IPU_DT01
IPU_DT02	23	23	IPU_DT02
IPU_DT03	24	24	IPU_DT03
IPU_DT04	25	25	IPU_DT04
IPU_DT05	26	26	IPU_DT05
IPU_DT06	27	27	IPU_DT06
IPU_DT07	28	28	IPU_DT07
IPU_DT08	29	29	IPU_DT08
IPU_DT09	30	30	IPU_DT09
IPU_DT10	31	31	IPU_DT10
IPU_DT11	32	32	IPU_DT11
IPU_DT12	33	33	IPU_DT12
IPU_DT13	34	34	IPU_DT13
IPU_DT14	35	35	IPU_DT14
IPU_DT15	36	36	IPU_DT15
IPU_CS3	37	37	IPU_CS3
IPU_DIR	38	38	IPU_DIR
IPU_CS4	39	39	IPU_CS4
IPU_CS0	40	40	IPU_CS0

CN460

SYDI_GAVD	1	1	SYDI_GAVD
XSYHS_GAVD	2	2	XSYHS_GAVD
SYDO_GAVD	3	3	SYDO_GAVD
SYCK_GAVD	4	4	SYCK_GAVD
GND	5	5	XSYCS_GAVD
XSYCS_GAVD	6	6	LD_MON
LD_MON	7	7	GND
IPU_INT1	8	8	IPU_INT1
XIPU_RESET	9	9	XIPU_RESET

CN461

IPUVL	1	1	+5VL
IPUV	2	2	+5V
IPUD3M	3	3	GND

CN459 — CN458 — CN402 — CN401 — LDB PCB8

CN459 / CN458

LDO0P	A1	B9	LDO0P
LDO0N	A2	B8	LDO0N
LDO1P	A3	B7	LDO1P
LDO1N	A4	B6	LDO1N
LDO2P	A5	B5	LDO2P
LDO2N	A6	B4	LDO2N
LDO3P	A7	B3	LDO3P
LDO3N	A8	B2	LDO3N
LDO4P	A9	B1	LDO4P
LDO4N	A10	B0	LDO4N
LDO5P	A11	B19	LDO5P
LDO5N	A12	B18	LDO5N
LDO6P	A13	B17	LDO6P
LDO6N	A14	B16	LDO6N
LDO7P	A15	B15	LDO7P
LDO7N	A16	B14	LDO7N
GND	A17	B13	GND
GND	A18	B12	GND
ADIN	A19	B11	ADIN
AGND	A20	B10	AGND
FANOUT	A21	B9	FANOUT
LDOFF00	A22	B8	LDOFF00
DETPD_N	A23	B7	DETPD_N
LDERR0_N	A24	B6	LDERR0_N
APC7BIN_N	A25	B5	APC7BIN_N
APC6BIN_N	A26	B4	APC6BIN_N
APC5BIN_N	A27	B3	APC5BIN_N
APC4BIN_N	A28	B2	APC4BIN_N
APC3BIN_N	A29	B1	APC3BIN_N
APC1BIN_N	A30	B0	APC1BIN_N
EDETPD_N	A31	B19	EDETPD_N
GND	A32	B18	GND
GND	A33	B17	GND
GND	A34	B16	GND
SCLKOUT	A35	B15	SCLKOUT
SLOAD	A36	B14	SLOAD
SDTOUT	A37	B13	SDTOUT
GND	A38	B12	GND
PMTUNE	A39	B11	PMTUNE
GND	A40	B10	GND
PMSTART	A41	B9	PMSTART
XSCRDY	A42	B8	XSCRDY
PMCL	A43	B7	PMCL
GND	A44	B6	GND
GND	A45	B5	GND

CN402 / CN401

LDO0P	A1	B20	LDO0P
LDO0N	A2	B19	LDO0N
LDO1P	A3	B18	LDO1P
LDO1N	A4	B17	LDO1N
LDO2P	A5	B16	LDO2P
LDO2N	A6	B15	LDO2N
LDO3P	A7	B14	LDO3P
LDO3N	A8	B13	LDO3N
LDO4P	A9	B12	LDO4P
LDO4N	A10	B11	LDO4N
LDO5P	A11	B10	LDO5P
LDO5N	A12	B9	LDO5N
LDO6P	A13	B8	LDO6P
LDO6N	A14	B7	LDO6N
LDO7P	A15	B6	LDO7P
LDO7N	A16	B5	LDO7N
GND	A17	B4	GND
GND	A18	B3	GND
ADIN	A19	B2	ADIN
AGND	A20	B1	AGND
FANOUT	A21	B0	FANOUT
LDOFF	A22	B19	LDOFF
XDETPD	A23	B18	XDETPD
DETPD_N	A24	B17	DETPD_N
XLDERR	A25	B16	XLDERR
XAPC7	A26	B15	XAPC7
APC7	A27	B14	APC7
XAPC6	A28	B13	XAPC6
APC6	A29	B12	APC6
XAPC5	A30	B11	XAPC5
APC5	A31	B10	APC5
XAPC4	A32	B9	XAPC4
APC4	A33	B8	APC4
XAPC3	A34	B7	XAPC3
APC3	A35	B6	APC3
XAPC1	A36	B5	XAPC1
APC1	A37	B4	APC1
XAPC0	A38	B3	XAPC0
(GND)	A39	B2	(GND)
(GND)	A40	B1	(GND)
(GND)	A41	B0	(GND)
(GND)	A42	B19	(GND)
SCLKOUT	A43	B18	SCLKOUT
SLOAD	A44	B17	SLOAD
SDTOUT	A45	B16	SDTOUT
GND	A46	B15	GND

CN450 — CN406 — CN405 — CN1 — Laser Synchronization Detector Board PCB11

CN406

+5V	1	2	+5V_SW
+5V	3	4	+5V
XDETPD	5	6	+5V
GND	7	8	GND

CN405

+5V	1	2	+5V
GND	3	4	GND

CN1

24V	1	2	24V
GND	3	4	GND

Left Front Door Safety Switch SW4
Right Front Door Safety Switch SW7

CN451 — CN452 — CN453 — CN454 — CN455 — CN456 — CN457 — CN458 — CN459 — CN460 — SIB PCB19

+11V	1	11	11V
+6V	2	10	6V
+6V	3	9	6V
+3.3V	4	8	3.3V
+3.3V	5	7	3.3V
+2.5V	6	6	2.5V
+2.5V	7	5	2.5V
GND	8	4	GND
GND	9	3	GND
GND	10	2	GND
GND	11	1	GND

CN451

SYDO	1	12	SYDO
SYDI	2	11	SYDI
SYCLK	3	10	SYCLK
XSYCS	4	9	XSYCS
DAGL_CS	5	8	DAGL_CS
GND	6	7	GND
RESET	7	6	XRESET
XSLEAD	8	5	XSLEAD
XSSCAN	9	4	XSSCAN
LMPCLK	10	3	LMPCLK
XLMPCNT2_S	11	2	XLMPCNT_S2
XLMPCNT1_S	12	1	XLMPCNT_S1

CN452

SYDO	1	12	SYDO
SYDI	2	11	SYDI
SYCLK	3	10	SYCLK
XSYCS	4	9	XSYCS
DAGL_CS	5	8	DAGL_CS
GND	6	7	GND
XRESET	7	6	XRESET
XSLEAD	8	5	XSLEAD
XSSCAN	9	4	XSSCAN
LMPCLK	10	3	LMPCLK
XLMPCNT_S2	11	2	XLMPCNT_S2
XLMPCNT_S1	12	1	XLMPCNT_S1

CN453

SYDO	1	7	-1
SYDI	2	6	-2
SYCLK	3	5	-3
XSYCS	4	4	-4
DAGL_CS	5	3	-5
GND	6	2	-6
XRESET	7	1	-7
KEYTRG	1	8	-8
KEY24V	2	5	-9
KEYSET	3	4	-10
KEYGND	4	3	-11
Txd	5	2	-12
Rxd	6	1	-13

CN454

SYDO	1	1	SYDO
SYDI	2	2	SYDI
SYCLK	3	3	SYCLK
XSYCS	4	4	XSYCS
DAGL_CS	5	5	DAGL_CS
GND	6	6	GND
XRESET	7	7	XRESET
KEYTRG	8	8	KEYTRG
KEY24V	9	9	KEY24V
KEYSET	10	10	KEYSET
KEYGND	11	11	KEYGND
Txd	12	12	Txd
Rxd	13	13	Rxd

CN455

Foot Switch (Option)	1	1	XFOT_SW
	2	2	GND
Busy Lamp (Option)	3	3	+24V
	4	4	XPATLITE_G
	5	5	XPATLITE_R

CN456

PMCL	1	1	PMCL
XSCREADY	2	2	XSCREADY
PMSTART	3	3	PMSTART
GND	4	4	GND
PMTUNE	5	5	PMTUNE

Polygon Mirror Motor Control Board
PCB17

CN457

+24V	1	1	+24V
+24V	2	2	+24V
GND	3	3	GND
GND	4	4	GND

CN458

+24V	1	1	+24V
+24V	2	2	+24V
GND	3	3	GND
GND	4	4	GND

CN459

+24V	1	1	+24V
+24V	2	2	+24V
GND	3	3	GND
GND	4	4	GND

CN460

+24V	1	1	+24V
+24V	2	2	+24V
GND	3	3	GND
GND	4	4	GND

CN412 — Polygon Mirror Motor M39

CN412

+24V	1	1	+24V
GND	2	2	GND

CN155 — MCU PCB12

+24V	1	1	GND
+24V	2	2	+24V
+24V	3	3	+38V
+24V	4	4	MGND
+24V	5		
GND	6		
GND	7		
GND	8		
GND	9		
GND	10		

CN155

24I	1	1	GND
24I	2	2	+24V
SB3I	3	3	+38V
AGND	4	4	MGND
SB5AGND	5		
MCUPGND	6		
MCU3F	7		
MCU3BV	8		
MCUMGND	9		
	10		

CN151

FDRV_SM[▲24]	1	1	M47 Scanner Motor Cooling Fan
FERR_SM	2	2	
GND	3	3	
FDRV_UNIT[▲24]	4	1	M48 Scanner Unit Exhaust Fan
FERR_UNIT	5	2	
GND	6	3	

CN158

LMPERR20	1	1	Lamp Regulator (Left) PCB9 — Exposure Lamp2 L2
LMPCLK2	2	2	
GND	3	3	
XLMPCNT2	4	4	
+24VLP	5	5	
LMPERR10	6	6	Lamp Regulator (Right) PCB10 — Exposure Lamp1 L1
LMPCLK1	7	7	
GND	8	8	
XLMPCNT1	9	9	
+24VLP	10	10	

CN157

KEYGND	1	4	Key Counter (Options)
KEYSET	2	3	
KEY24V	3	2	
KEYTRIG	4	1	

CN156

FDRV_INVR[▲24]	1	1	M30 Lamp Regulator Fan (Right)
FERR_INVR	2	2	
GND	3	3	
FDRV_INVL[▲24]	4	1	M29 Lamp Regulator Fan (Left)
FERR_INVL	5	2	
GND	6	3	
FDRV_UNITR[▲24]	7	1	M45 Scanner Intake Fan
FERR_UNITR	8	2	
GND	9	3	
FDRV_SBU[▲24]	10	1	M44 SBU Cooling Fan
FERR_SBU	11	2	
GND	12	3	

CN153

GND	A1	A12	GND
+5V	A2	A11	+5V
LMPERR2	A3	A10	LMPERR2
XLMPCNT_M	A4	A9	XLMPCNT_M
XSSCAN	A5	A8	XSSCAN
GND	A6	A7	GND
FCNT_SM	A7	A6	FCNT_SM
GND	A8	A5	GND
FERR_UNITL	A9	A4	FERR_UNITL
FERR_SBU	A10	A3	FERR_SBU
Rxd	A11	A2	RXD
FERR_SM	A12	A1	FERR_SM
FERR_INVL	B1	B12	FERR_INVL
Txd	B2	B11	TXD
FERR_INVR	B3	B10	FERR_INVR
FERR_UNITR	B4	B9	FERR_UNITR
FCNT_INV	B5	B8	FCNT_INV
FCNTF_UNIT	B6	B7	FCNTF_UNIT
FCNTH_UNIT	B7	B6	FCNTH_UNIT
XSLEAD	B8	B5	XSLEAD
LMPEMG	B9	B4	LMPEM
LMPERR1	B10	B3	LMPERR1
+5V	B11	B2	+5V
GND	B12	B1	GND

CN355 / KEY PANEL

pin	SignName	pin	SignName
1	GND	26	+5VL
2	ID3	27	IA16
3	XCAD_SET0	28	IA22
4	ID4	29	IA15
5	ID11	30	IA23
6	ID5	31	IA12
7	ID12	32	GND
8	ID6	33	IA7
9	ID13	34	IA6
10	ID7	35	IA5
11	ID14	36	IA4
12	ID15	37	IA3
13	IA10	38	IA2
14	XCS2	39	IA1
15	IA11	40	+3.3VL
16	IA9	41	ID0
17	IA8	42	ID8
18	IA17	43	ID1
19	IA13	44	ID9
20	IA18	45	ID2
21	IA14	46	ID10
22	IA19	47	XCAD_SET1
23	IA20	48	XOE_CAD
24	IA21	49	GND
25	+5VL	-	-

CN355

GND	1	18	X_LEFT
+5V	2	17	Y_LO
LMPERR2	3	16	Y_AN
XLMPCNT_M	4	15	X_AN
XSSCAN	5	14	Y_UP
GND	6	13	X_RIGHT
FCNT_SM	7	12	OP_DI
GND	8	11	OP_DO
FERR_UNITL	9	10	OPCLK
FERR_SBU	10	9	GND
Rxd	11	8	24V_GND
FERR_SM	12	7	+24V
FERR_INVL	13	6	GND
Txd	14	5	+5VL
FERR_INVR	15	4	GND
FERR_UNITR	16	3	+3.3VL
FCNT_INV	17	2	XPWSW
FCNTF_UNIT	18	1	+5VE
FCNTH_UNIT	19		
XSLEAD	20		
LMPEM	21		
LMPERR1	22		
+5V	23		
GND	24		

OPU PCB20 — CN353 — CN354 — CN355 — CN351 — Operation Panel PCB24

CN353

X_LEFT	1	18	X_LEFT
Y_LO	2	17	Y_LO
Y_AN	3	16	Y_AN
X_AN	4	15	X_AN
Y_UP	5	14	Y_UP
X_RIGHT	6	13	X_RIGHT
OP_DI	7	12	OP_DI
OP_DO	8	11	OP_DO
OPCLK	9	10	OPCLK
GND	10	9	GND
24V_GND	11	8	24V_GND
+24V	12	7	+24V
GND	13	6	GND
+5VL	14	5	+5VL
GND	15	4	GND
+3.3VL	16	3	+3.3VL
XPWSW	17	2	XPWSW
+5VE	18	1	+5VE

CN354

TXCLK+	1	14	TXCLK+
TXCLK-	2	13	TXCLK-
GND	3	12	GND
GND	4	11	GND
TXOUT2+	5	10	TXOUT2+
TXOUT2-	6	9	TXOUT2-
GND	7	8	GND
GND	8	7	GND
TXOUT1+	9	6	TXOUT1+
TXOUT1-	10	5	TXOUT1-
GND	11	4	GND
GND	12	3	GND
TXOUT0+	13	2	TXOUT0+
TXOUT0-	14	1	TXOUT0-

CN351

GND	1		OPUGND(B24W1C(7)
+5VL	2		OPU5VL(B24W1C(7)
24V_GND	3		OPU24VGND(B24W1D(7)
+24V	4		OPU24V(B24W1D(7)

CN352

GND	1	5	GND
[▲5]	2	4	+5V
+5V	3	3	GND
GND	4	2	+5V
+5V	5	1	XAPS1
XAPS1	6		S47 Scanner HP Sensor
XAPS2	7		S40 Original Width Sensors
XAPS3	8		
LMPTEMP	9		
GND	10		

CN356

XAPS4ON	1	5	XAPS4ON
+5V	2	4	+5V
XAPS4	3	3	XAPS4
NC	4	2	NC
GND	5	1	GND
XAPS5ON	6	5	XAPS5ON
+5V	7	4	+5V
XAPS5	8	3	XAPS5
NC	9	2	NC
GND	10	1	GND

S38 Original Length Sensor 1
S39 Original Length Sensor 2

CN350

+5V	1	5	+5V
ENC_A	2	4	ENC_A
ENC_B	3	3	ENC_B
GND	4	2	GND
XENC_SET	5	1	XENC_SET
XENC_SET_GND	6		Encoder E
GND	7		

CN350 — SC_CCW / SC_CW — Scanner Motor M46

SYMBOL TABLE

———	DC Line
- - - -	Pulse Signal
←———	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

B234 Point toPoint Diagram 2/3

AC Drive Board PCB1

PSU-Ea PCB14

PSU-Eb PCB15

PSU-c PCB-16

Interlock Relay Board PCB7

CGB/PPG Power Pack PP1/PP2

BCU PCB2

I O B PCB5

Fusing Unit

ADF Connector

Anti-Condensation Heaters

H1 Optics Anti-condensation Heater

H2 Transfer Anti-Condensation Heater

H3 Tray Anti-Condensation Heater 1 (Upper)

H4 Tray Anti-Condensation Heater 2 (Lower)

LCT Anti-Condensation Heater

Exit Junction Gate Motor M26

Exit Sensor S25

Job Time Sensor S32

Exit Junction Gate HP Sensor S24

Moisture Removal Fan M33

Toner Recycling Shutter Solenoid SL1

Duplex Entrance Cooling Fan 1 M20

Duplex Entrance Cooling Fan 2 M21

Duplex Cooling Fan M19

Cleaning Unit Set SW SW2

Charge Corona Wire Cleaner Motor M10

Paper Cooling Pipe Fan 1 M37

Paper Cooling Pipe Fan 2 M38

Left Front Door Safety Switch 2 SW5

Right Front Door Safety Switch 2 SW8

ID Sensor S29

Drum Potential Sensor S17

Cleaning Collection Pipe Cooling Fan M40

Duplex Entrance Motor M22

Duplex Transport Sensor 3 S23

Duplex Inverter Relay Sensor S19

Duplex Entrance Sensor S18

Duplex Inverter Sensor S20

Duplex Transport Sensor 1 S21

Duplex Transport Sensor 2 S22

Switchback Idle Roller Solenoid SL3

Switchback Junction Gate Solenoid SL4

Duplex/Inverter Junction Gate Solenoid SL5

Duplex/Inverter Motor M24

Duplex Transport Motor M23

Switchback Motor M49

Image Position Sensor (Duplex) S30

Image Position Sensor Board (Duplex) PCB22

Guide Plate Position Sensor S64

Double-Feed Detection LED S15

Double-Feed Detection Sensor S16

LCT Guide Plate Solenoid SL6

Upper Relay Sensor S57

LCT Relay Sensor S33

Registration Sensor S45

PCB:CRB

Image Position Sensor (Tray) S31

Image Position Sensor Board (Tray) PCB21

CPLD ON BORD

Development Unit Set

Toner Suction Motor M5

Development Unit Cooling Fan Motor 1 M14

Development Unit Cooling Fan Motor 2 M15

Toner Suction Bottle Rotation Sensor S63

TD Sensor S48

Toner Hopper Sensor S55

Toner Hopper Motor M54

Drum Cooling Fan M16

Toner Pump Motor Sensor S56

Toner Cylinder TE Sensor S54

Toner Transport Pipe Cooling Fan M59

Toner Cylinder Agitator Motor M13

Development Motor M53

Hopper Agitator Motor M28

Guide Plate Solenoid SL7

Toner Cylinder

Toner Collection Coil Sensor S53

Transfer Belt Unit Solenoid SOL19

Transfer Belt Contact/Separation Motor M12

Cleaning Fabric Edge Sensor S14

Fusing Exit Sensor S28

Exit Motor M28

Fusing Motor M27

Drum Exhaust Fan M17

Polygon Mirror Motor Cooling Fan M40

Total Counter T1

Cleaning Unit Cooling Fan M11

2nd Cleaning Blade Solenoid SOL1

Cleaning Lamp QL1

Cleaning Blade Release Switch S29

Drum Motor M18

Main Power Switch SW6

PSU Box Fan 1 M34

PSU Box Fan 2 M35

PSU Box Fan 3 M36

FAN 24V

FAN GND

Martini I/F

1st Tray Lift Motor M3

2nd Tray Lift Motor M6

3rd Tray Lift Motor M8

Left Tandem Tray Lock Solenoid SOL2

Tandem Tray Connect Solenoid SOL3

3rd Tray Paper Size Switch SW11

2nd Tray Paper Size Switch SW10

Temperature/ Humidity Sensor S49

SW9

IC-CARD

ICE(SDI-3)

KEY CARD

CN251

CN301

1st Paper Feed Sensor S2

1st Paper Exit Sensor S1

1st Tray Lift Sensor S3

Vertical Transport Sensor 1 S60

1st Pickup Solenoid SL9

1st Separation Roller Solenoid SL8

1st Paper Feed Motor M1

Vertical Transport Motor M60

2nd Paper Feed Sensor S9

2nd Paper Exit Sensor S8

3rd Tray Feed Sensor S10

Vertical Transport Sensor 2 S61

2nd Pickup Solenoid SL11

2nd Separation Roller Solenoid SL10

2nd Paper Feed Motor M4

3rd Paper Feed Sensor S12

3rd Paper Exit Sensor S11

3rd Tray Lift Sensor S13

Vertical Transport Sensor 3 S62

3rd Pickup Solenoid SL13

3rd Separation Roller Solenoid SL12

3rd Paper Feed Motor M7

1st Grip Motor M2

2nd Grip Motor M5

3rd Grip Motor M8

Front Side Fence Open Sensor S27

Front Side Fence Closed Sensor S26

Rear Side Fence Closed Sensor S44

Rear Side Fence Solenoid SL14

Rear Side Fence Connect Sensor S43

Right Tray Paper Exit Sensor S46

1st Tray Paper Height 1 Sensor S7

1st Tray Paper Height 2 Sensor S6

1st Tray Paper Height 3 Sensor S5

1st Tray Paper Height 4 Sensor S4

Lower Limit Sensor S36

Rear Fence Drive Motor M4

Rear Fence HP Sensor S41

Rear Fence Return Sensor S42

Left 1st Tray Paper Sensor S34

Upper Toner Bottle Sensor S59

Upper Toner Bottle Inner Cap Sensor S58

Upper Toner Bottle Cap Motor M57

Upper Toner Bottle Motor M58

Lower Toner Bottle Sensor S37

Lower Bottle Inner Cap Sensor S35

Lower Bottle Cap Motor M31

Lower Toner Bottle Motor M32

Toner/Bank Motor M50

Toner Supply Coil Clutch CL1

Toner Collection Bottle Set Sensor S52

Toner Collection Bottle Sensor SW12

Toner Collection Bottle Agitator Motor M51

Toner Collection Bottle Agitator Sensor S51

Toner Bottle End Sensor S50

SYMBOL TABLE

DC Line

Pulse Signal

Signal Direction

Active High

Active Low

[ ] Voltage

CN566							
IPUI/F							
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	3.3VE PanelBuf	51	GND	101	3.3VE PanelBuf	151	GND
2	5VE	52	PCIAD(3)	102	5VE	152	PCIAD(4)
3	5VE	53	PCIAD(1)	103	5VE	153	PCIAD(2)
4	5VE	54	GND	104	5VE	154	GND
5	GND	55	PCI64ACK#	105	GND	155	PCIAD(0)
6	PW SW#	56	PCICMD(7)	106	PCIRST#	156	PCI64REQ#
7	GND	57	GND	107	GND	157	GND
8	OPMTCLK	58	PCICMD(5)	108	OPMRCL	158	PCICMD(6)
9	GND	59	PCI64PAR	109	GND	159	PCICMD(4)
10	OPMTXXD	60	GND	110	OPMRXD	160	GND
11	NC	61	PCIAD(62)	111	NC	161	PCIAD(63)
12	OPMREQ	62	PCIAD(60)	112	RSMRST#	162	PCIAD(61)
13	GND	63	GND	113	GND	163	GND
14	PCIREQ1A#	64	PCIAD(58)	114	PCIREQ1B#	164	PCIAD(59)
15	PCIGNT1A#	65	PCIAD(56)	115	PCIGNT1B#	165	PCIAD(57)
16	GND	66	GND	116	GND	166	GND
17	PCIINTA#	67	PCIAD(54)	117	NC	167	PCIAD(55)
18	GND	68	PCIAD(52)	118	GND	168	PCIAD(53)
19	PCLK Engine0	69	GND	119	PCLK Engine1	169	GND
20	GND	70	PCIAD(50)	120	GND	170	PCIAD(51)
21	PCIAD(30)	71	PCIAD(48)	121	PCIAD(31)	171	PCIAD(49)
22	IDSEL1	72	GND	122	IDSEL2	172	GND
23	PCIAD(28)	73	PCIAD(46)	123	PCIAD(29)	173	PCIAD(47)
24	GND	74	PCIAD(44)	124	GND	174	PCIAD(45)
25	PCIAD(26)	75	GND	125	PCIAD(27)	175	GND
26	PCIAD(24)	76	PCIAD(42)	126	PCIAD(25)	176	PCIAD(43)
27	GND	77	PCIAD(40)	127	GND	177	PCIAD(41)
28	GND	78	GND	128	PCICMD(3)	178	GND
29	PCIAD(22)	79	PCIAD(38)	129	PCIAD(23)	179	PCIAD(38)
30	GND	80	PCIAD(36)	130	GND	180	PCIAD(36)
31	PCIAD(20)	81	GND	131	PCIAD(21)	181	GND
32	PCIAD(18)	82	PCIAD(34)	132	PCIAD(19)	182	PCIAD(34)
33	GND	83	PCIAD(32)	133	GND	183	PCIAD(32)
34	PCIAD(16)	84	GND	134	PCIAD(17)	184	GND
35	PCIFRAME#	85	NC	135	PCICMD(2)	185	NC
36	GND	86	NC	136	GND	186	NC
37	PCITRDY#	87	NC	137	PCIIRDY#	187	NC
38	PCISTOP#	88	NC	138	PCIDEVSEL#	188	NC
39	GND	89	NC	139	GND	189	NC
40	PCISERR#	90	NC	140	PCIPERR#	190	NC
41	PCICMD(1)	91	NC	141	PCIPAR#	191	NC
42	GND	92	NC	142	GND	192	NC
43	PCIAD(14)	93	(PONSENE#)	143	PCIAD(15)	193	NC
44	PCIAD(12)	94	PONENG#	144	PCIAD(13)	194	(PONCTL#)
45	GND	95	GND	145	GND	195	GND
46	PCIAD(10)	96	(WUP E#)	146	PCIAD(11)	196	(WUP L#)
47	PCIAD(8)	97	GND	147	PCIAD(9)	197	GND
48	GND	98	PON PCI#	148	GND	198	VDET PCI
49	PCIAD(7)	99	GND	149	PCICMD(0)	199	GND
50	PCIAD(5)	100	ENGRDY#	150	PCIAD(6)	200	NC

CN528		CN531	
T*010*****I/F		ITPPort	
Pin#	SignaName	Pin#	SignaName
1	GND	1	GND
2	GND	2	H RESET#
3	VCC SPI	3	GND
4	VCC I2C	4	DBRESET#
5	SPI1CS0#	5	GND
6	SPI1CS1#	6	TCK
7	SPI1CS2#	7	TDI
8	SPI1CS3#	8	TM
9	SPI1DIN	9	TDD
10	SPI1CLK	10	POWERON
11	SPI1DOUT	11	TRST
12	SPI2DOUT	12	DBINST#
13	SPI2CS1#	13	BSEN#
14	SPI2CS0#	14	GND
15	SPI2DIN	15	PREQ0#
16	SPI2CLK	16	GND
17	SPI2CS3#	17	PRDY0#
18	PD2	18	GND
19	R*******	19	PREQ1#
20	RESET#	20	GND
21	SPI2CS2#	21	PRDY1#
22	NC	22	GND
23	I2CCLK	23	PREQ2#
24	I2CDATA	24	GND
25	PD0	25	PRDY2#
26	PD1	26	GND
27	VCC I2C	27	PREQ3#
28	VCC SPI	28	GND
29	GND	29	CLK ITP#
30	GND	30	CLK ITP

CN522		CN523		CN524	
SDCARDI/F		SDCARDI/F		SDCARDI/F	
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	SDA0 DT(3)	1	SDA1 DT(3)	1	SDB0 DT(3)
2	SDA0 CMD	2	SDA1 CMD	2	SDB0 CMD
3	GND	3	GND	3	GND
4	3.3VE SD	4	3.3VE SD	4	3.3VE SD
5	SDA CLK	5	SDA CLK	5	SDB CLK
6	GND	6	GND	6	GND
7	SDA0 DT(0)	7	SDA1 DT(0)	7	SDB0 DT(0)
8	SDA0 DT(1)	8	SDA1 DT(1)	8	SDB0 DT(1)
9	SDA0 DT(2)	9	SDA1 DT(2)	9	SDB0 DT(2)
10	SDA0 CD#	10	SDA1 CD#	10	SDB0 CD#
11	GND	11	GND	11	GND
12	SDA0 WP#	12	SDA1 WP#	12	SDB0 WP#

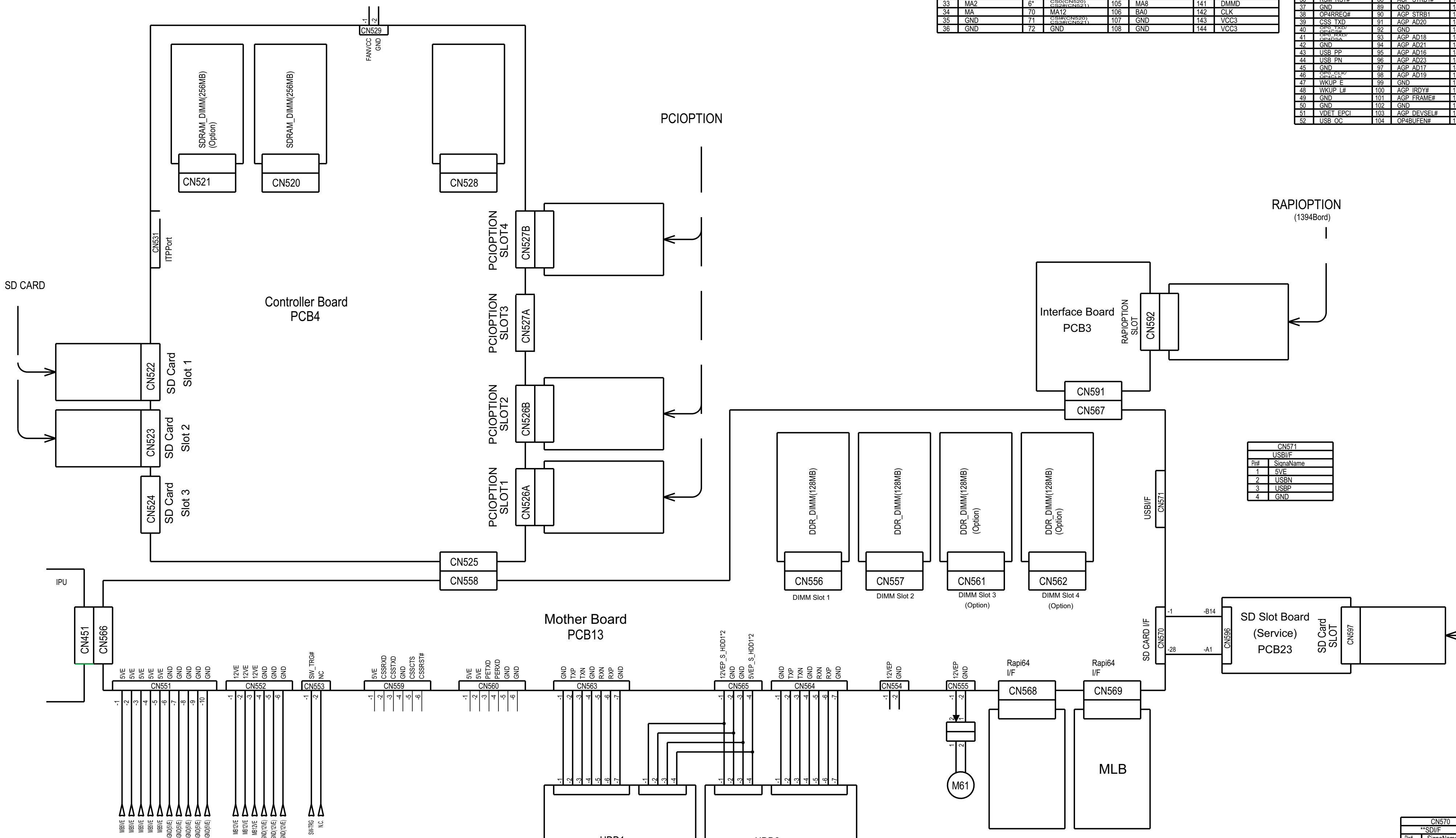
CN520(CN521)							
SDRAMI/F							
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	GND	37	MDQ8	73	NC	109	MA
2	GND	38	MDQ40	74	CLK2	110	BA1
3	MDQ0	39	MDQ9	75	GND	111	MA10
4	MDQ32	40	MDQ41	76	GND	112	MA11
5	MDQ1	41	MDQ10	77	NC	113	VCC3
6	MDQ33	42	MDQ42	78	NC	114	VCC3
7	MDQ2	43	MDQ11	79	NC	115	MDQ2
8	MDQ34	44	MDQ43	80	NC	116	DQM6
9	MDQ3	45	VCC3	81	VCC3	117	MDQ3
10	MDQ35	46	VCC3	82	VCC3	118	DQM7
11	VCC3	47	MDQ12	83	MDQ16	119	GND
12	VCC3	48	MDQ44	84	MDQ48	120	GND
13	MDQ4	49	MDQ13	85	MDQ17	121	MDQ24
14	MDQ36	50	MDQ45	86	MDQ49	122	MDQ56
15	DQM5	51	MDQ14	87	MDQ18	123	MDQ25
16	MDQ37	52	MDQ46	88	MDQ50	124	MDQ57
17	DQM6	53	MDQ15	89	MDQ19	125	MDQ26
18	MDQ38	54	MDQ47	90	MDQ51	126	MDQ58
19	MDQ7	55	GND	91	GND	127	MDQ27
20	MDQ39	56	GND	92	GND	128	MDQ59
21	GND	57	NC	93	MDQ20	129	VCC3
22	GND	58	NC	94	MDQ52	130	VCC3
23	DQM0	59	NC	95	MDQ21	131	MDQ28
24	DQM4	60	NC	96	MDQ53	132	MDQ60
25	DQM1	61	CLK1	97	MDQ22	133	MDQ29
26	DQM5	62	CKE2	98	MDQ54	134	MDQ61
27	VCC3	63	VCC3	99	MDQ23	135	MDQ30
28	VCC3	64	VCC3	100	MDQ55	136	MDQ62
29	MA0	65	RAS#	101	VCC3	137	MDQ31
30	MA3	66	CAS#	102	VCC3	138	MDQ63
31	MA	67	R*E#	103	MA6	13*	GND
32	MA	68	CKE1	104	MA	140	GND
33	MA2	6*	CS0(CN520) CS2#(CN521)	105	MA8	141	DMMD
34	MA	70	MA12	106	BA0	142	CLK
35	GND	71	CSI#(CN520) CS3#(CN521)	107	GND	143	VCC3
36	GND	72	GND	108	GND	144	VCC3

CN525					
MFPM*****I/F					
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	SD DT1	53	PONENG#	105	AGP STOP#
2	SD DT2	54	PONCTL#	106	OP4BUFDIR
3	SD DT3	55	PCI PME#	107	AGP TRDY#
4	SD DT4	56	PW SW#	108	GND
5	GND	57	GND	109	AGPPAR
6	GND	58	PONPCI#	110	AGP CBE2#
7	SDCLK	59	PCIRST#	111	GND
8	SD LED	60	AGP INTA#	112	GND
9	GND	61	GND	113	AGP AD13
10	SD CMD	62	GND	114	AGP CBE1#
11	SDWP	63	PCI GND#	115	AGP AD11
12	SDDTEN#	64	AGP PIPE#	116	AGP SERR#
13	SD CMDDIR	65	GND	117	GND
14	SD CD#	66	AGP REQ#	118	AGP AD14
15	SMB CLK	67	AGP ST1	119	AGP STRB0
16	SD CMD EN#	68	GND	120	AGP AD15
17	GND	69	AGP ST0	121	AGP STRB0#
18	SMB DAT	70	AGP ST2	122	GND
19	SD DTDIR	71	GND	123	GND
20	PWRGD EXT	72	AGP RBF#	124	AGP AD10
21	PONSENS#	73	PONPUP#	125	AGP CBE0#
22	OP2 RCLK	74	GND	126	AGP AD12
23	OP2 TCLK	75	AGP AD30	127	GND
24	GND	76	AGP AD31	128	AGP AD7
25	GND	77	AGP AD28	129	AGP AD9
26	OP4LED#	78	AGP AD29	130	AGP AD8
27	OP2 TXD	79	AGP AD26	131	AGP AD4
28	OP2 RXD	80	AGP AD24	132	GND
29	PSAVE FCU	81	AGP AD27	133	AGP AD2
30	OP2 REQ	82	AGP AD25	134	AGP AD5
31	PETXD	83	GND	135	AGP AD0
32	PERXD	84	AGP TYPEDET	136	AGP AD6
33	GND	85	AGP CBE3#	137	GND
34	GND	86	GND	138	AGP AD1
35	CSS RXD	87	AGP AD22	139	AGPCL
36	RSM RST#	88	AGP STRB1#	140	AGP AD3
37	GND	89	GND	141	5VE
38	OP4RREQ#	90	AGP STRB1	142	12VE
39	CSS TXD	91	AGP AD20	143	5VE
40	OP0 TXD/ OP4CS#	92	GND	144	12VE
41	OP0 RXD/ OP4DSA	93	AGP AD18	145	5VE
42	GND	94	AGP AD21	146	5VE
43	USB PP	95	AGP AD16	147	VCC AGP
44	USB PN	96	AGP AD23	148	GND
45	GND	97	AGP AD17	149	GND
46	OP0 CLK/ OP4CLK	98	AGP AD19	150	3.3VE
47	WKUP E	99	GND	151	GND
48	WKUP L#	100	AGP IRDY#	152	GND
49	GND	101	AGP FRAME#	153	GND
50	GND	102	GND	154	GND
51	VDET EPCI	103	AGP DEVSEL#	155	3.3VEP
52	USB OC	104	OP4BUFEN#	156	3.3VEP

CN526		CN527	
PCIOPTIONI/F		PCIOPTIONI/F	
Pin#	SignaName	Pin#	SignaName
1	GND	1	GND
2	INTC#	2	INTC#
3	GND	3	GND
4	NC	4	NC
5	GND	5	GND
6	CLKRUN	6	CLKRUN
7	GND	7	GND
8	PCIRST1#	8	PCIRST2#
9	GND	9	GND
10	PCICLK(3)(A) PCICLK(5)(B)	10	PCICLK(2)(A) PCICLK(1)(B)
11	GND	11	GND
12	GNT(1)#(A) GNT(2)#(B)	12	GNT(3)#(A) GNT(4)#(B)
13	GND	13	GND
14	REQ(1)#(A) REQ(2)#(B)	14	REQ(3)#(A) REQ(4)#(B)
15	GND	15	GND
16	PCI PME#	16	PCI PME#
17	AD(31)	17	AD(31)
18	AD(30)	18	AD(30)
19	AD(29)	19	AD(29)
20	AD(28)	20	AD(28)
21	AD(27)	21	AD(27)
22	AD(26)	22	AD(26)
23	GND	23	GND
24	AD(25)	24	AD(25)
25	AD(24)	25	AD(24)
26	C BE(3)	26	C BE(3)
27	GND	27	GND
28	IDSEL	28	IDSEL
29	AD(23)	29	AD(23)
30	AD(22)	30	AD(22)
31	GND	31	GND
32	AD(21)	32	AD(21)
33	AD(20)	33	AD(20)
34	AD(19)	34	AD(19)
35	GND	35	GND
36	AD(18)	36	AD(18)
37	AD(17)	37	AD(17)
38	AD(16)	38	AD(16)
39	GND	39	GND
40	C BE(2)	40	C BE(2)
41	FRAME#	41	FRAME#
42	IRDY#	42	IRDY#
43	GND	43	GND
44	TRDY#	44	TRDY#
45	DEVSEL#	45	DEVSEL#
46	STOP#	46	STOP#
47	GND	47	GND
48	PERR#	48	PERR#
49	SERR#	49	SERR#
50	PAR	50	PAR
51	GND	51	GND
52	C BE(1)	52	C BE(1)
53	AD(15)	53	AD(15)
54	AD(14)	54	AD(14)
55	GND	55	GND
56	AD(13)	56	AD(13)
57	AD(12)	57	AD(12)
58	AD(11)	58	AD(11)
59	GND	59	GND
60	AD(10)	60	AD(10)
61	AD(9)	61	AD(9)
62	AD(8)	62	AD(8)
63	GND	63	GND
64	C BE(0)	64	C BE(0)
65	AD(7)	65	AD(7)
66	AD(6)	66	AD(6)
67	AD(5)	67	AD(5)
68	AD(4)	68	AD(4)
69	AD(3)	69	AD(3)
70	AD(2)	70	AD(2)
71	VCC3.3	71	VCC3.3
72	AD(1)	72	AD(1)
73	VCC3.3	73	VCC3.3
74	AD(0)	74	AD(0)
75	VCC3.3	75	VCC3.3
76	(R*******)	76	(R*******)
77	VCC3.3	77	VCC3.3
78	(R*******)	78	(R*******)
79	VCC3.3	79	VCC3.3
80	(R*******)	80	(R*******)
81	VCC3.3	81	VCC3.3
82	(R*******)	82	(R*******)
83	VCC5	83	VCC5
84	(R*******)	84	(R*******)
85	VCC5	85	VCC5
86	(R*******)	86	(R*******)
87	3VAUX	87	3VAUX
88	(R*******)	88	(R*******)

CN556(CN557*CN561*CN562)							
DDR-SDRAMI/F							
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	VREF	51	GND	101	OA(9)(CN556/561) EA(9)(CN557/562)	151	ODQ(42)(CN556/561) EDQ(42)(CN557/562)
2	VREF	52	GND	102	OA(8)(CN556/561) EA(8)(CN557/562)	152	ODQ(46)(CN556/561) EDQ(46)(CN557/562)
3	GND	53	ODQ(19)(CN556/561) EDQ(19)(CN557/562)	103	GND	153	ODQ(43)(CN556/561) EDQ(43)(CN557/562)
4	GND	54	ODQ(23)(CN556/561) EDQ(23)(CN557/562)	104	GND	154	ODQ(47)(CN556/561) EDQ(47)(CN557/562)
5	ODQ(0)(CN556/561) EDQ(0)(CN557/562)	55	ODQ(24)(CN556/561) EDQ(24)(CN557/562)	105	OA(7)(CN556/561) EA(7)(CN557/562)	155	2.5VEP
6	ODQ(4)(CN556/561) EDQ(4)(CN557/562)	56	ODQ(28)(CN556/561) EDQ(28)(CN557/562)	106	OA(6)(CN556/561) EA(6)(CN557/562)	156	2.5VEP
7	ODQ(1)(CN556/561) EDQ(1)(CN557/562)	57	2.5VEP	107	OA(5)(CN556/561) EA(5)(CN557/562)	157	2.5VEP
8	ODQ(5)(CN556/561) EDQ(5)(CN557/562)	58	2.5VEP	108	OA(4)(CN556/561) EA(4)(CN557/562)	158	CLKOTL(1)
9	2.5VEP	59	ODQ(25)(CN556/561) EDQ(25)(CN557/562)	109	OA(3)(CN556/561) EA(3)(CN557/562)	159	GND
10	2.5VEP	60	ODQ(29)(CN556/561) EDQ(29)(CN557/562)	110	OA(2)(CN556/561) EA(2)(CN557/562)	160	CLKOTH(1)
11	ODQS(0)(CN556/561) EDQS(0)(CN557/562)	61	ODQS(3)(CN556/561) EDQS(3)(CN557/562)	111	OA(1)(CN556/561) EA(1)(CN557/562)	161	GND
12	ODQM(0)(CN556/561) EDQM(0)(CN557/562)	62	ODQM(3)(CN556/561) EDQM(3)(CN557/562)	112	OA(0)(CN556/561) EA(0)(CN557/562)	162	GND
13	ODQ(2)(CN556/561) EDQ(2)(CN557/562)	63	GND	113	2.5VEP	163	ODQ(48)(CN556/561) EDQ(48)(CN557/562)
14	ODQ(6)(CN556/561) EDQ(6)(CN557/562)	64	GND	114	2.5VEP	164	ODQ(52)(CN556/561) EDQ(52)(CN557/562)
15	GND	65	ODQ(26)(CN556/561) EDQ(26)(CN557/562)	115	OA(10)(CN556/561) EA(10)(CN557/562)	165	ODQ(49)(CN556/561) EDQ(49)(CN557/562)
16	GND	66	ODQ(30)(CN556/561) EDQ(30)(CN557/562)	116	OBA(1)(CN556/561) EBA(1)(CN557/562)	166	ODQ(53)(CN556/561) EDQ(53)(CN557/562)
17	ODQ(3)(CN556/561) EDQ(3)(CN557/562)	67	ODQ(27)(CN556/561) EDQ(27)(CN557/562)	117	OBA(0)(CN556/561) EBA(0)(CN557/562)	167	2.5VEP
18	ODQ(7)(CN556/561) EDQ(7)(CN557/562)	68	ODQ(31)(CN556/561) EDQ(31)(CN557/562)	118	ORAS#(CN556/561) ERAS#(CN557/562)	168	2.5VEP
19	ODQ(8)(CN556/561) EDQ(8)(CN557/562)	69	2.5VEP	119	OWE#(CN556/561) EWE#(CN557/562)	169	ODQS(6)(CN556/561) EDQS(6)(CN557/562)
20	ODQ(12)(CN556/561) EDQ(12)(CN557/562)	70	2.5VEP	120	OCAS#(CN556/561) ECAS#(CN557/562)	170	ODQM(6)(CN556/561) EDQM(6)(CN557/562)
21	2.5VEP	71	OECC(0)(CN556/561) EECC(0)(CN557/562)	121	OCS(1)#(CN556/561) ECS(1)#(CN557/562)	171	ODQ(50)(CN556/561) EDQ(50)(CN557/562)
22	2.5VEP	72	OECC(4)(CN556/561) EECC(4)(CN557/562)	122	OCS(2)#(CN556/561) ECS(2)#(CN557/562)	172	ODQ(54)(CN556/561) EDQ(54)(CN557/562)
23	ODQ(9)(CN556/561) EDQ(9)(CN557/562)	73	OECC(1)(CN556/561) EECC(1)(CN557/562)	123	OA(13)(CN556/561) EA(13)(CN557/562)	173	GND
24	ODQ(13)(CN556/561) EDQ(13)(CN557/562)	74	OECC(5)(CN556/561) EECC(5)(CN557/562)	124	(R******)	174	GND
25	ODQS(1)(CN556/561) EDQS(1)(CN557/562)	75	GND	125	GND	175	ODQ(51)(CN556/561) EDQ(51)(CN557/562)
26	ODQM(1)(CN556/561) EDQM(1)(CN557/562)	76	GND	126	GND	176	ODQ(55)(CN556/561) EDQ(55)(CN557/562)
27	GND	77	ODQS(8)(CN556/561) EDQS(8)(CN557/562)	127	ODQ(32)(CN556/561) EDQ(32)(CN557/562)	177	ODQ(56)(CN556/561) EDQ(56)(CN557/562)
28	GND	78	ODQM(8)(CN556/561) EDQM(8)(CN557/562)	128	ODQ(36)(CN556/561) EDQ(36)(CN557/562)	178	ODQ(60)(CN556/561) EDQ(60)(CN557/562)
29	ODQ(10)(CN556/561) EDQ(10)(CN557/562)	79	OECC(2)(CN556/561) EECC(2)(CN557/562)	129	ODQ(33)(CN556/561) EDQ(33)(CN557/562)	179	2.5VEP
30	ODQ(14)(CN556/561) EDQ(14)(CN557/562)	80	OECC(6)(CN556/561) EECC(6)(CN557/562)	130	ODQ(37)(CN556/561) EDQ(37)(CN557/562)	180	2.5VEP
31	ODQ(11)(CN556/561) EDQ(11)(CN557/562)	81	2.5VEP	131	2.5VEP	181	ODQ(57)(CN556/561) EDQ(57)(CN557/562)
32	ODQ(15)(CN556/561) EDQ(15)(CN557/562)	82	2.5VEP	132	2.5VEP	182	ODQ(61)(CN556/561) EDQ(61)(CN557/562)
33	2.5VEP	83	OECC(3)(CN556/561) EECC(3)(CN557/562)	133	ODQS(4)(CN556/561) EDQS(4)(CN557/562)	183	ODQS(7)(CN556/561) EDQS(7)(CN557/562)
34	2.5VEP	84	OECC(7)(CN556/561) EECC(7)(CN557/562)	134	ODQM(4)(CN556/561) EDQM(4)(CN557/562)	184	ODQM(7)(CN556/561) EDQM(7)(CN557/562)
35	CLKOTH(0)	85	(R******)	135	ODQ(34)(CN556/561) EDQ(34)(CN557/562)	185	GND
36	2.5VEP	86	(R******)	136	ODQ(38)(CN556/561) EDQ(38)(CN557/562)	186	GND
37	CLKOTL(0)	87	GND	137	GND	187	ODQ(58)(CN556/561) EDQ(58)(CN557/562)
38	GND	88	GND	138	GND	188	ODQ(62)(CN556/561) EDQ(62)(CN557/562)
39	GND	89	CLKOTH(2)	139	ODQ(35)(CN556/561) EDQ(35)(CN557/562)	189	ODQ(59)(CN556/561) EDQ(59)(CN557/562)
40	GND	90	GND	140	ODQ(39)(CN556/561) EDQ(39)(CN557/562)	190	ODQ(63)(CN556/561) EDQ(63)(CN557/562)
41	ODQ(16)(CN556/561) EDQ(16)(CN557/562)	91	CLKOTL(2)	141	ODQ(40)(CN556/561) EDQ(40)(CN557/562)	191	2.5VEP
42	ODQ(20)(CN556/561) EDQ(20)(CN557/562)	92	2.5VEP	142	ODQ(44)(CN556/561) EDQ(44)(CN557/562)	192	2.5VEP
43	ODQ(17)(CN556/561) EDQ(17)(CN557/562)	93	2.5VEP	143	2.5VEP	193	SMBUS
44	ODQ(21)(CN556/561) EDQ(21)(CN557/562)	94	2.5VEP	144	2.5VEP	194	SA0
45	2.5VEP	95	OCKE2#(CN556/561) ECKE2#(CN557/562)	145	ODQ(41)(CN556/561) EDQ(41)(CN557/562)	195	SMBUS
46	2.5VEP	96	OCKE1#(CN556/561) ECKE1#(CN557/562)	146	ODQ(45)(CN556/561) EDQ(45)(CN557/562)	196	SA1
47	ODQS(2)(CN556/561) EDQS(2)(CN557/562)	97	(R******)	147	ODQS(5)(CN556/561) EDQS(5)(CN557/562)	197	VDDSPD
48	ODQM(2)(CN556/561) EDQM(2)(CN557/562)	98	(R******)	148	ODQM(5)(CN556/561) EDQM(5)(CN557/562)	198	SA2
49	ODQ(18)(CN556/561) EDQ(18)(CN557/562)	99	OA(12)(CN556/561) EA(12)(CN557/562)	149	GND	199	VDDID
50	ODQ(22)(CN556/561) EDQ(22)(CN557/562)	100	OA(11)(CN556/561) EA(11)(CN557/562)	150	GND	200	(R******)

CN567				CN568(CN569)			
R***32E********I/F				R***64I/F			
Pin#	SignaName	Pin#	SignaName	Pin#	SignaName	Pin#	SignaName
1	3.3VE	1	5VEP	1	3.3VE	1	5VEP
2	5VEP	2	5VEP	2	5VEP	2	5VEP
3	5VEP	3	5VEP	3	5VEP	3	5VEP
4	GND	4	GND	4	GND	4	GND
5	3.3VEP	5	3.3VEP	5	3.3VEP	5	3.3VEP
6	3.3VEP	6	3.3VEP	6	3.3VEP	6	3.3VEP
7	3.3VEP	7	3.3VEP	7	3.3VEP	7	3.3VEP
8	PICREQ4#	8	IDSEL	8	PCIREQ2#(CN568) PCIREQ3#(CN569)	8	IDSEL
9	PCIGNT4#	9	(R******)	9	PCIGNT2#(CN568) PCIGNT3#(CN569)	9	(R******)
10	GND	10	GND	10	GND	10	GND
11	PCINTD#	11	12VE	11	PCINTB#(CN568) PCINTC#(CN569)	11	(R******)
12	PCIPME#	12	12VE	12	PCIPME#	12	(R******)
13	GND	13	GND	13	GND	13	GND
14	PCICLK	14	(R******)	14	PCLK	14	(R******)
15	GND	15	GND	15	GND	15	GND
16	(R******)	16	PCIRST#	16	(R******)	16	PCIRST#(CN568) PCIRST(CN569)
17	(R******)	17	(R******)	17	(R******)	17	VDET PCI
18	PCIAD(30)	18	PCIAD(31)	18	PCIAD(30)	18	PCIAD(31)
19	PCIAD(28)	19	PCIAD(29)	19	PCIAD(28)	19	PCIAD(29)
20	GND	20	GND	20	GND	20	GND
21	PCIAD(26)	21	PCIAD(27)	21	PCIAD(26)	21	PCIAD(27)
22	PCIAD(24)	22	PCIAD(25)	22	PCIAD(24)	22	PCIAD(25)
23	(R******)	23	PCICMD(3)	23	(R******)	23	PCICMD(3)
24	PCIAD(22)	24	PCIAD(23)	24	PCIAD(22)	24	PCIAD(23)
25	GND	25	GND	25	GND	25	GND
26	PCIAD(20)	26	PCIAD(21)	26	PCIAD(20)	26	PCIAD(21)
27	PCIAD(18)	27	PCIAD(19)	27	PCIAD(18)	27	PCIAD(19)
28	PCIAD(16)	28	PCIAD(17)	28	PCIAD(16)	28	PCIAD(17)
29	PCIFRAME#	29	PCICMD(2)	29	PCIFRAME#	29	PCICMD(2)
30	GND	30	GND	30	GND	30	GND
31	PCITRDY#	31	PCIIRDY#	31	PCITRDY#	31	PCIIRDY#
32	PCISTOP#	32	PCIDEVSEL#	32	PCISTOP#	32	PCIDEVSEL#
33	PCISERR#	33	PCIPERR#	33	PCISERR#	33	PCIPERR#
34	PCICMD(1)	34	PCIPAR	34	PCICMD(1)	34	PAR
35	GND	35	GND	35	GND	35	GND
36	PCIAD(14)	36	PCIAD(15)	36	PCIAD(14)	36	PCIAD(15)
37	PCIAD(12)	37	PCIAD(13)	37	PCIAD(12)	37	PCIAD(13)
38	PCIAD(10)	38	PCIAD(11)	38	PCIAD(10)	38	PCIAD(11)
39	PCIAD(8)	39	PCIAD(9)	39	PCIAD(8)	39	PCIAD(9)
40	GND	40	GND	40	GND	40	GND
41	PCIAD(7)	41	PCICMD(0)	41	PCIAD(7)	41	PCICMD(0)
42	PCIAD(5)	42	PCIAD(6)	42	PCIAD(5)	42	PCIAD(6)
43	PCIAD(3)	43	PCIAD(4)	43	PCIAD(3)	43	PCIAD(4)
44	PCIAD(1)	44	PCIAD(2)	44	PCIAD(1)	44	PCIAD(2)
45	GND	45	GND	45	GND	45	GND
46	PCI64ACK#	46	PCIAD(0)	46	PCI64ACK#	46	PCIAD(0)
47	PCICMD(7)	47	PCI64REQ#	47	PCICMD(7)	47	PCI64REQ#
48	PCICMD(5)	48	PCICMD(6)	48	PCICMD(5)	48	PCICMD(6)
49	PCI64PAR	49	PCICMD(4)	49	PCI64PAR	49	PCICMD(4)
50	GND	50	GND	50	GND	50	GND
51	PCIAD(62)	51	PCIAD(63)	51	PCIAD(62)	51	PCIAD(63)
52	PCIAD(60)	52	PCIAD(61)	52	PCIAD(60)	52	PCIAD(61)
53	PCIAD(58)	53	PCIAD(59)	53	PCIAD(58)	53	PCIAD(59)
54	PCIAD(56)	54	PCIAD(57)	54	PCIAD(56)	54	PCIAD(57)
55	GND	55	GND	55	GND	55	GND
56	PCIAD(54)	56	PCIAD(55)	56	PCIAD(54)	56	PCIAD(55)
57	PCIAD(52)	57	PCIAD(53)	57	PCIAD(52)	57	PCIAD(53)
58	PCIAD(50)	58	PCIAD(51)	58	PCIAD(50)	58	PCIAD(51)
59	PCIAD(48)	59	PCIAD(49)	59	PCIAD(48)	59	PCIAD(49)
60	GND	60	GND	60	GND	60	GND
61	PCIAD(46)	61	PCIAD(47)	61	PCIAD(46)	61	PCIAD(47)
62	PCIAD(44)	62	PCIAD(45)	62	PCIAD(44)	62	PCIAD(45)
63	PCIAD(42)	63	PCIAD(43)	63	PCIAD(42)	63	PCIAD(43)
64	PCIAD(40)	64	PCIAD(41)	64	PCIAD(40)	64	PCIAD(41)
65	GND	65	GND	65	GND	65	GND
66	PCIAD(38)	66	PCIAD(39)	66	PCIAD(38)	66	PCIAD(39)
67	PCIAD(36)	67	PCIAD(37)	67	PCIAD(36)	67	PCIAD(37)
68	PCIAD(34)	68	PCIAD(35)	68	PCIAD(34)	68	PCIAD(35)
69	PCIAD(32)	69	PCIAD(33)	69	PCIAD(32)	69	PCIAD(33)
70	GND	70	GND	70	GND	70	GND



CN571	
USBI/F	
Pin#	SignaName
1	5VE
2	USBN
3	USBP
4	GND

CN570		CN596	
**SDI/F		**SDI/F	
Pin#	SignaName	Pin#	SignaName
1	CM	A1	GND
2	GND	A2	SD DT(0)
3	CMDDIR	A3	GND
4	GND	A4	SD DT(1)
5	CMDOE N	A5	GND
6	GND	A6	SD DT(2)
7	DT3	A7	GND
8	GND	A8	SD DT(3)
9	DT2	A9	GND
10	GND	A10	CMDOE*
11	DT1	A11	GND
12	GND	A12	CMDDIR
13	DT0	A13	GND
14	GND	A14	SD CMD
15	DATDIR	B1	GND
16	GND	B2	3.3VE
17	DATOE N	B3	GND
18	GND	B4	SDLED
19	CD N	B5	GND
20	GND	B6	CLK
21	WP N	B7	GND
22	GND	B8	W
23	CLK	B9	GND
24	GND	B10	CD*
25	SDLED	B11	GND
26	GND	B12	DATOE*
27	3.3VE	B13	GND
28	GND	B14	DATDIR

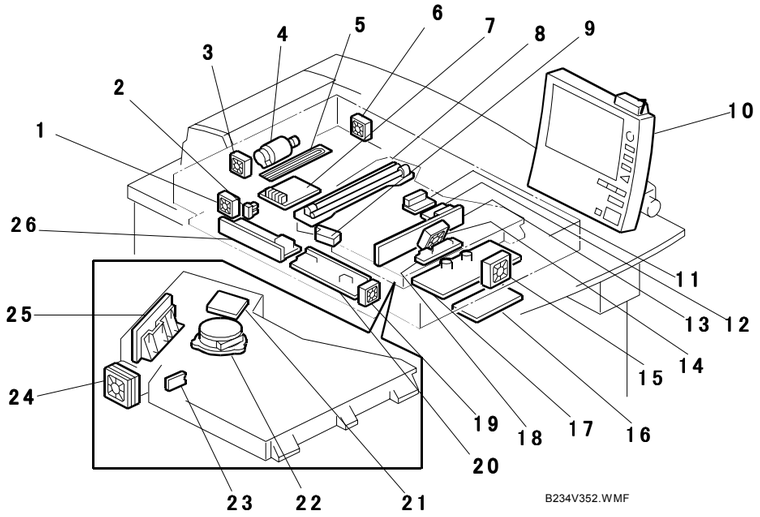
CN597	
SDCARDI/F	
Pin#	SignaName
1	DAT3
2	CM
3	V**
4	VDD
5	CLK
6	V**
7	DAT0
8	DAT1
9	DAT2
10	WP*
11	CD*
12	GND

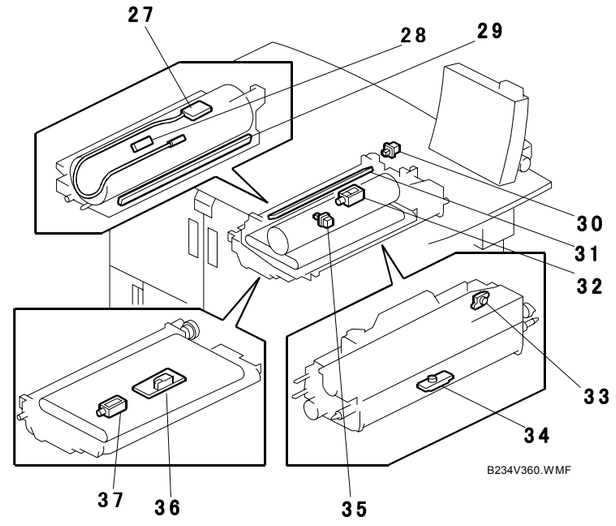
SYMBOL TABLE

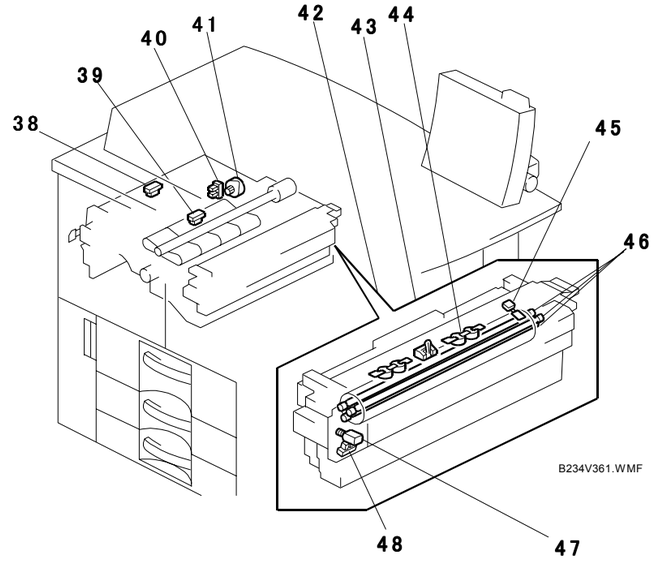
- DC Line
- Pulse Signal
- Signal Direction
- Active High
- Active Low
- [ ] Voltage

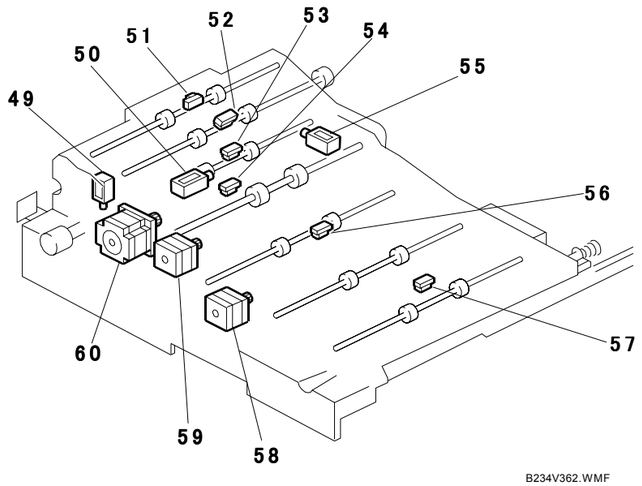
B234 Point toPoint Diagram 3/3

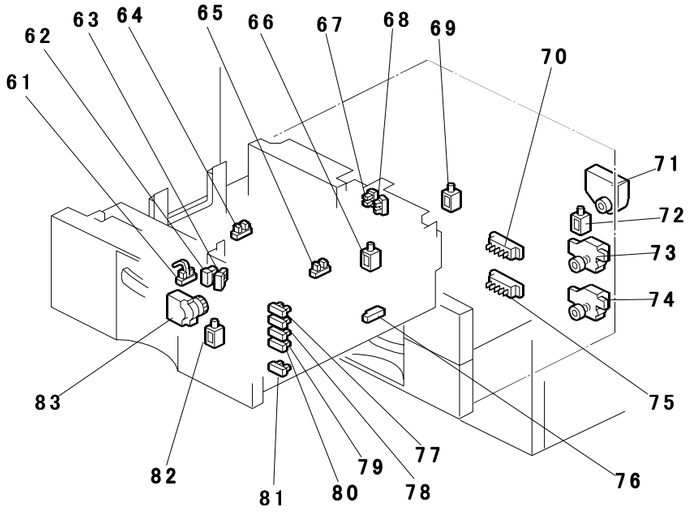
B234 ELECTRICAL COMPONENT LAYOUT (1/3)

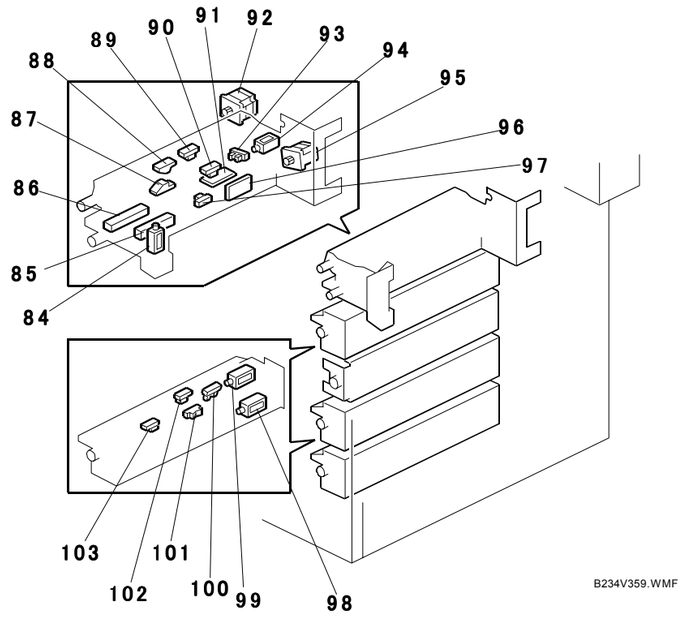




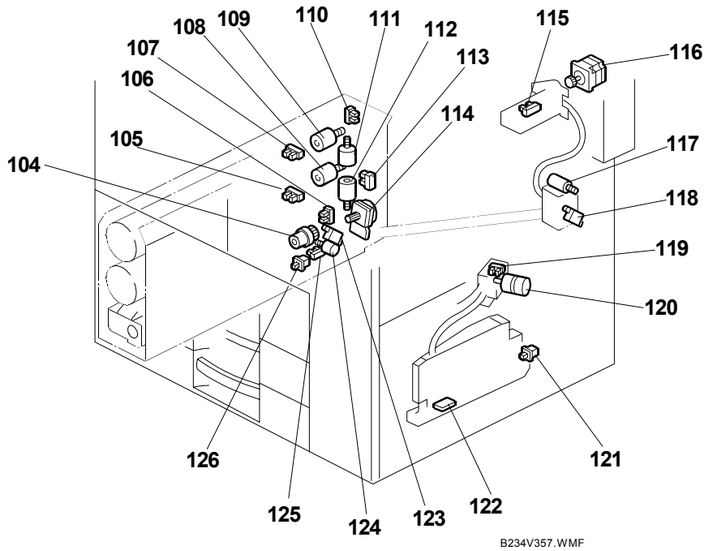


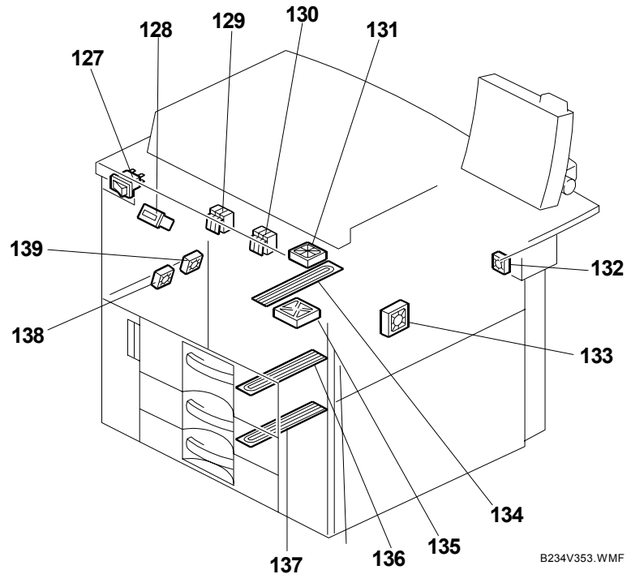


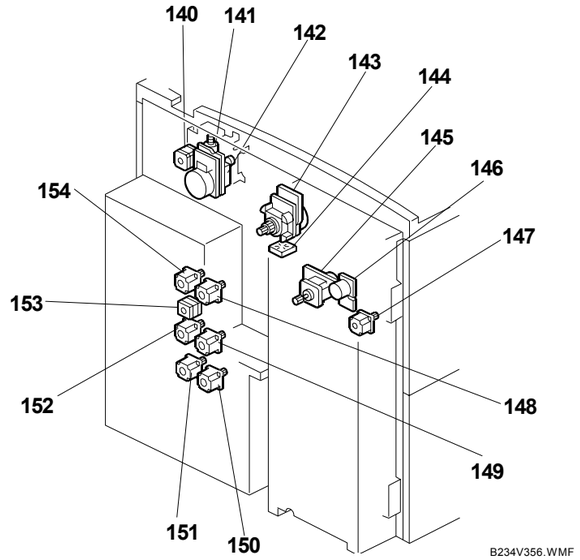


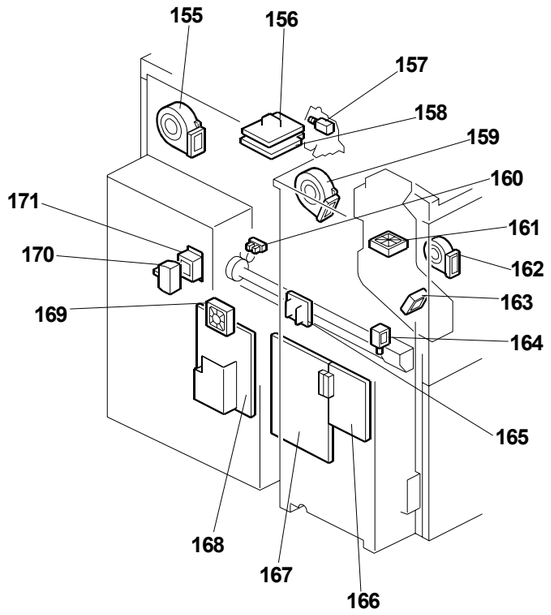


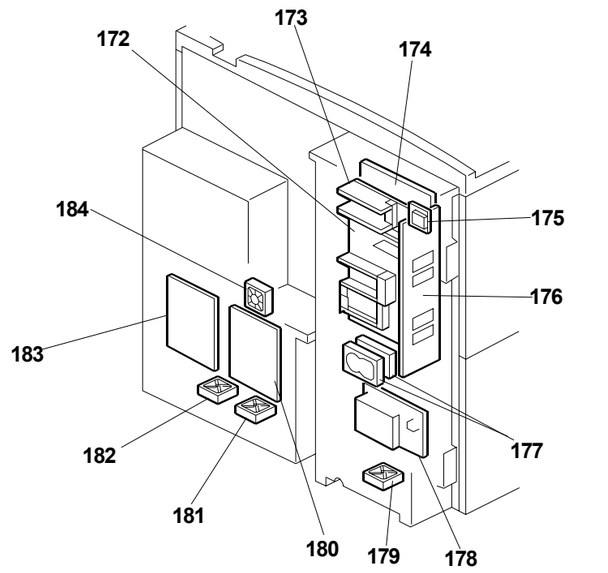
B234 ELECTRICAL COMPONENT LAYOUT (2/3)











B234 ELECTRICAL COMPONENT LAYOUT (3/3)

Symbol	Index No.	Name	P to P
Clutches			
CL1	104	Toner Supply Coil Clutch	2-F9
Heaters			
H1	5	Optics Anti-condensation Heater	2-A5
H2	134	Transfer Anti-Condensation eater	2-A5
H3	136	Tray Anti-Condensation Heater 1 (Upper)	2-A5
H4	137	Tray Anti-Condensation Heater 2 (Lower)	2-A5
Lamps			
L1	8	Exposure Lamp 1	1-A8
L2	8	Exposure Lamp 2	1-A8
L3	46	Fusing Lamp 1	2-A3
L4	46	Fusing Lamp 2	2-A3
L5	46	Fusing Lamp 3	2-A3
L6	29	PTL	2-C1
QL1	31	Quenching Lamp	2-D6
Motors			
M1	148	1st Paper Feed Motor	2-E5
M2	154	1st Grip Motor	2-E6
M3	71	1st Tray Lift Motor	2-D7
M4	149	2nd Paper Feed Motor	2-E5
M5	152	2nd Grip Motor	2-E6
M6	73	2nd Tray Lift Motor	2-D7
M7	150	3rd Paper Feed Motor	2-E5
M8	151	3rd Grip Motor	2-E6
M9	74	3rd Tray Lift Motor	2-D7
M10	157	Charge Corona Wire Cleaner Motor	2-B1
M11	131	Cleaning Unit Cooling Fan	2-D6
M12	47	Cleaning Fabric Motor	2-D4
M13	142	Development Motor	2-D3
M14	132	Development Unit Cooling Fan Motor 1	2-B3
M15	133	Development Unit Cooling Fan Motor 2	2-B3
M16	155	Drum Cooling Fan	2-C3
M17	159	Drum Exhaust Fan	2-D5
M18	143	Drum Motor	2-D6
M19	135	Duplex Cooling Fan	2-B1
M20	138	Duplex Entrance Cooling Fan 1	2-B1
M21	139	Duplex Entrance Cooling Fan 2	2-B1
M22	147	Duplex Entrance Motor	2-C1
M23	58	Duplex Transport Motor	2-D1
M24	60	Duplex Inverter Motor	2-D1
M25	41	Exit Junction Gate Motor	2-A1
M26	146	Exit Motor	2-D4
M27	145	Fusing Motor	2-D4
M28	141	Hopper Agitator Motor	2-D3
M29	1	Lamp Regulator Fan (Left)	1-B8
M30	19	Lamp Regulator Fan (Right)	1-B8
M31	108	Lower Bottle Cap Motor	2-F8
M32	112	Lower Toner Bottle Motor	2-F8
M33	162	Moisture Removal Fan	2-B1
M34	182	PSU Box Fan 1	2-B4
M35	181	PSU Box Fan 2	2-B4
M36	184	PSU Box Fan 3	2-A5
M37	161	Paper Cooling Pipe Fan 1	2-B1
M38	163	Paper Cooling Pipe Fan 2	2-B1

Symbol	Index No.	Name	P to P
M39	22	Polygon Mirror Motor	1-E5
M40	24	Polygon Mirror Motor Cooling Fan	2-D5
M41	83	Rear Fence Drive Motor	2-F7
M42	92	Registration Motor	2-F3
M43	144	Cleaning Collection Pipe Cooling Fan	2-C1
M44	14	SBU Cooling Fan	1-B7
M45	15	Scanner Intake Fan	1-B7
M46	4	Scanner Motor	1-D8
M47	3	Scanner Motor Cooling Fan	1-A7
M48	6	Scanner Unit Exhaust Fan	1-A7
M49	59	Switchback Motor	2-E1
M50	114	Toner Bank Motor	2-F9
M51	124	Toner Collection Bottle Agitator Motor	2-F9
M52	117	Toner Cylinder Agitator Motor	2-D3
M53	120	Toner Suction Motor	2-B3
M54	140	Toner Supply Motor	2-C3
M55	116	Toner Supply Pump Motor	2-F3
M56	169	Toner Transport Pipe Cooling Fan	2-D3
M57	109	Upper Bottle Cap Motor	2-F8
M58	95	Upper Relay Motor	2-F3
M59	111	Upper Toner Bottle Motor	2-F8
M60	153	Vertical Relay Motor	2-E5
M61	179	Controller Box Cooling Fan	3-E6
PCBs			
PCB1	168	AC Drive Board	2-A4
PCB2	166	BCU	2-D8
PCB3	173	Interface Board	3-C7
PCB4	172	Controller Board	3-C4
PCB5	167	IOB	2-E2
PCB6	174	IPU	1-C3
PCB7	165	Interlock Relay Board	2-C4
PCB8	25	LDB	1-E2
PCB9	26	Lamp Regulator (Left)	1-A7
PCB10	20	Lamp Regulator (Right)	1-A7
PCB11	23	Laser Synchronization Detector Board	1-F4
PCB12	7	MCU	1-C8
PCB13	176	Mother Board	3-D5
PCB14	183	PSU-Ea	2-B5
PCB15	180	PSU-Eb	2-C5
PCB16	178	PSU-c	2-A7
PCB17	21	Polygon Mirror Motor Control Board	1-E5
PCB18	13	SBU	1-A5
PCB19	17	SIB	1-B6
PCB20	16	OPU	1-D6
PCB21	96	Image Position Sensor Board (Tray)	2-F1
PCB22	91	Image Position Sensor Board (Duplex)	2-E1
PCB23	175	SD Slot Board (Service)	3-D7
PCB24	10	Operation Panel	1-E8
PCB25	18	Connector Board	1-A3
~~PCB26~~		Not in the machine.	
Power Packs			
PP1	158	CGB Power Pack	2-D5
PP2	156	PPG Power Pack	2-D5
PP3	36	Transfer Power Pack	2-D4

Symbol	Index No.	Name	P to P
Sensors			
S1	102	1st Paper End Sensor	2-E3
S2	103	1st Paper Feed Sensor	2-E3
S3	100	1st Tray Lift Sensor	2-E3
S4	77	1st Tray Paper Height 1 Sensor	2-F7
S5	78	1st Tray Paper Height 2 Sensor	2-F7
S6	79	1st Tray Paper Height 3 Sensor	2-F7
S7	80	1st Tray Paper Height 4 Sensor	2-F7
S8	102	2nd Paper End Sensor	2-E4
S9	103	2nd Paper Feed Sensor	2-E4
S10	100	2nd Tray Lift Sensor	2-E4
S11	102	3rd Paper End Sensor	2-E4
S12	103	3rd Paper Feed Sensor	2-E4
S13	100	3rd Tray Lift Sensor	2-E4
S14	48	Cleaning Fabric End Sensor	2-D5
S15	87	Double-Feed Detection LED	2-E1
S16	88	Double-Feed Detection Sensor	2-E1
S17	27	Drum Potential Sensor	2-C1
S18	52	Duplex Entrance Sensor	2-D1
S19	51	Duplex Inverter Relay Sensor	2-D1
S20	53	Duplex Inverter Sensor	2-D1
S21	54	Duplex Transport Sensor 1	2-D1
S22	56	Duplex Transport Sensor 2	2-D1
S23	57	Duplex Transport Sensor 3	2-C1
S24	40	Exit Junction Gate HP Sensor	2-A1
S25	38	Exit Sensor	2-A1
S26	62	Front Side Fence Closed Sensor	2-F6
S27	63	Front Side Fence Open Sensor	2-F6
S28	43	Fusing Exit Sensor	2-D5
S29	28	ID Sensor	2-C1
S30	86	Image Position Sensor (Duplex)	2-E1
S31	85	Image Position Sensor (Tray)	2-F1
S32	39	Job Time Sensor	2-A1
S33	90	LCT Relay Sensor	2-F1
S34	61	Left 1st Tray Paper Sensor	2-E8
S35	113	Lower Bottle Inner Cap Sensor	2-E8
S36	81	Lower Limit Sensor	2-F7
S37	105	Lower Toner Bottle Sensor	2-E8
S38	11	Original Length Sensor 1	1-C8
S39	12	Original Length Sensor 2	1-C8
S40	9	Original Width Sensors	1-C8
S41	64	Rear Fence HP Sensor	2-E8
S42	65	Rear Fence Return Sensor	2-E8
S43	67	Rear Side Fence Closed Sensor	2-F6
S44	68	Rear Side Fence Open Sensor	2-F6
S45	89	Registration Sensor	2-F1
S46	76	Right Tray Paper Set Sensor	2-F7
S47	2	Scanner HP Sensor	1-B8
S48	34	TD Sensor	2-B3
S49	122	Temperature/Humidity Sensor	2-D7
S50	123	Toner Bottle End Sensor	2-F9
S51	125	Toner Collection Bottle Agitator Sensor	2-F9
S52	106	Toner Collection Bottle Overflow Sensor	2-E9
S53	160	Toner Collection Coil Sensor	2-D4

Symbol	Index No.	Name	P to P
S54	118	Toner Cylinder TE Sensor	2-C3
S55	33	Toner Hopper Sensor	2-B3
S56	115	Toner Pump Motor Sensor	2-C3
S57	97	Upper Relay Sensor	2-F1
S58	110	Upper Toner Bottle Inner Cap Sensor	2-E8
S59	107	Upper Toner Bottle Sensor	2-E8
S60	101	Vertical Transport Sensor 1	2-E3
S61	101	Vertical Transport Sensor 2	2-E4
S62	101	Vertical Transport Sensor 3	2-E4
S63	119	Toner Suction Bottle Rotation Sensor	2-B3
S64	93	Guide Plate Position Sensor	2-E1
Solenoids			
SOL1	99	1st Pick-up Solenoid	2-E3
SOL2	98	1st Separation Roller Solenoid	2-E3
SOL3	32	2nd Cleaning Blade Solenoid	2-D6
SOL4	99	2nd Pick-up Solenoid	2-E4
SOL5	98	2nd Separation Roller Solenoid	2-E4
SOL6	99	3rd Pick-up Solenoid	2-E4
SOL7	98	3rd Separation Roller Solenoid	2-E4
SOL8	49	Duplex/Inverter Junction Gate Solenoid	2-D1
SOL9	82	Front Side Fence Solenoid	2-F7
SOL10	94	Guide Plate Solenoid	2-D3
SOL11	84	LCT Guide Plate Solenoid	2-E1
SOL12	69	Left Tandem Tray Lock Solenoid	2-D7
SOL13	66	Rear Side Fence Solenoid	2-F7
SOL14	50	Switchback Idle Roller Solenoid	2-D1
SOL15	55	Switchback Junction Gate Solenoid	2-D1
SOL16	72	Tandem Tray Connect Solenoid	2-D7
SOL17	164	Toner Recycling Shutter Solenoid	2-B1
SOL18	37	Transfer Belt Lift Solenoid	2-C4
Switches			
SW1	170	Circuit Breaker	2-A3
SW2	30	Cleaning Unit Set SW	2-B1
~~SW3~~		Not in the machine.	2-A3
SW4	129	Left Front Door Safety Switch	1-F4
SW5	129	Left Front Door Safety Switch 2	2-B1
SW6	127	Main Power Switch	2-A4
SW7	130	Right Front Door Safety Switch	1-F4
SW8	130	Right Front Door Safety Switch 2	2-B2
SW9	121	Toner Suction Bottle Set Switch	2-D8
SW10	70	2nd Tray Paper Size Switches	2-D7
SW11	75	3rd Tray Paper Size Switches	2-D7
SW12	126	Toner Collection Bottle Set Switch	2-F9
SW13	35	2nd Cleaning Blade Release Switch	2-D6
TC			
TC1	128	Total Counter	2-D6
TH			
TH1	45	Thermistor	2-A3
TS			
TS1	42	Thermostat 1	2-A3
TS2	44	Thermostat 2	2-A3
Other			
HDD	177	HDD 1	3-E5
HDD	177	HDD 2	3-E6
NF1	171	Noise Filter	2-A3

POINT TO POINT DIAGRAM (ADF: B301)

Copier

CN100-1	[24] +24V	
-2	[24] +24V	
-3	[24] +24V	
-4	[0] GND (24V)	
-5	[0] GND (24V)	
-6	[0] GND (24V)	
-7	[38] +38V	
-8	[0] GND (38V)	
CN101-2	[0] GND	
-3	TXD	
-4	[0] GND	
-5	RXD	
-6	[0] GND (38V)	
-7	[0] GND (38V)	
-8	[38] +38V	
-9	[38] +38V	

Feed-in Motor (M2)

CN215-3	CN108-1	[♦38] +
-1	-2	[♦38] -
CN219-4	CN107-1	[0/5] A
-3	-2	[5] +5V
-2	-3	[0/5] B
-1	-4	[0] GND

Transport Motor (M3)

CN216-3	CN108-3	[♦38] +
-1	-4	[♦38] -
CN220-4	CN107-5	[0/5] A
-3	-6	[5] +5V
-2	-7	[0/5] B
-1	-8	[0] GND

Feed-out Motor (M4)

CN217-2	CN108-5	[♦38] +
-1	-6	[♦38] -
CN218-1	CN108-7	[5] +5V
-3	-8	[0/5] A
-4	-9	[0] GND

Pick-up Motor (M1)

CN560-7	CN109-1	[24] +24V
-6	-2	[24] +24V
-4	-4	[24 ➡ 0/24] A
-3	-5	[24 ➡ 0/24] /A
-2	-6	[24 ➡ 0/24] B
-1	-7	[24 ➡ 0/24] /B

Bottom Plate Motor (M5)

CN110-1		[24] +24V
-2		[24 ➡ 0/24] A
-3		[24 ➡ 0/24] /A
-4		[24 ➡ 0/24] B
-5		[24 ➡ 0/24] /B
-6		[24] +24V

Feed-in Clutch (MC1)

CN204-2	CN111-1	[24] +24V
-1	-2	[♦24]

Exit Gate Solenoid (SOL 1)

CN112-1		[24] +24V
-2		[♦24]

Inverter Gate Solenoid (SOL 2)

CN113-1		[24] +24V
-2		[♦24]

DF Indicator (PCB2)

CN510-3	CN114-1	[24] +24V
-2	-2	[♦24] READY
-2	-3	[♦24] SADF

PCB1

DF Main Board

S3 — Original Set Sensor

GND [0]	CN102-1	CN212-6	CN590-3
[♦5]	-2	-5	-2
+5V [5]	-3	-4	-1

S4 — Bottom Plate HP Sensor

GND [0]	CN102-4	CN212-3	CN600-3
[♦5]	-5	-2	-2
+5V [5]	-6	-1	-1

S12 — Original Length Sensor

GND [0]	CN102-7	CN221-3	CN213-1	CN309-3
[0/5]	-8	-2	-2	-2
+5V [5]	-9	-1	-3	-1

S8 — Registration Sensor

GND [0]	CN102-10	CN214-3	CN610-3
[♦5]	-11	-2	-2
+5V [5]	-12	-1	-1

S7 — Entrance Sensor

GND [0]	CN103-1	CN200-3	CN300-3
[♦5]	-2	-2	-2
+5V [5]	-3	-1	-1

S5 — Bottom Plate Position Sensor

GND [0]	CN103-4	CN201-3	CN301-3
[♦5]	-5	-2	-2
+5V [5]	-6	-1	-1

S6 — Pick-up Roller HP Sensor

GND [0]	CN103-7		CN202-3
[♦5]	-8		-2
+5V [5]	-9		-1

S15 — Feed Cover Sensor

GND [0]	CN103-10		CN203-3
[♦5]	-11		-2
+5V [5]	-12		-1

S9 — Original Width 1 Sensor

GND [0]	CN104-1	CN211-9	CN620-3
[♦5]	-2	-8	-2
+5V [5]	-3	-7	-1

S10 — Original Width 2 Sensor

GND [0]	CN104-4	CN211-6	CN630-3
[♦5]	-5	-5	-2
+5V [5]	-6	-4	-1

S11 — Original Width 3 Sensor

GND [0]	CN104-7	CN211-3	CN640-3
[♦5]	-8	-2	-2
+5V [5]	-9	-1	-1

S13 — Exit Sensor

GND [0]	CN105-1	CN207-3	CN302-3
[♦5]	-2	-2	-2
+5V [5]	-3	-1	-1

S14 — Inverter Sensor

GND [0]	CN105-4	CN208-9	CN303-3
[♦5]	-5	-8	-2
+5V [5]	-6	-7	-1

S16 — Exit Cover Sensor

GND [0]	CN105-7	CN208-6	CN304-3
[♦5]	-8	-5	-2
+5V [5]	-9	-4	-1

S2 — DF Position Sensor

GND [0]	CN106-1		CN650-3
[♦5]	-2		-2
+5V [5]	-3		-1

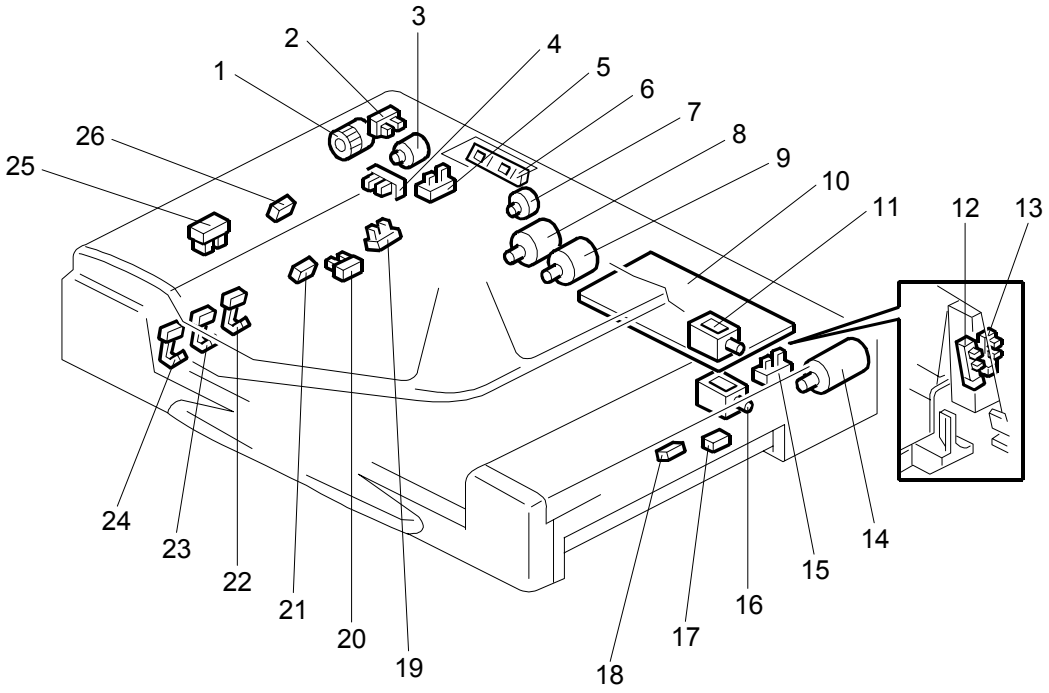
S1 — APS Start Sensor

GND [0]	CN106-4		CN660-3
[♦5]	-5		-2
+5V [5]	-6		-1

SYMBOL TABLE

——	DC Line
- - - -	Pulse Signal
——➡	Signal Direction
♦	Active High
♦	Active Low
[ ]	Voltage

ELECTRICAL COMPONENT LAYOUT (ADF: B301)



B301S108.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	3	Pick-up	F1
M2	8	Feed-in	D1
M3	9	Transport	E1
M4	14	Feed-out	F1
M5	7	Bottom plate	G1
Sensors			
S1	12	APS Start	I6
S2	13	DF Position	H6
S3	19	Original Set	A6
S4	20	Bottom Plate HP	B6
S5	4	Bottom Plate Position	D6
S6	2	Pick-up Roller HP	D6
S7	26	Entrance	C7
S8	21	Registration	C6
S9	22	Original Width 1	E6
S10	23	Original Width 2	F6
S11	24	Original Width 3	F6
S12	25	Original Length	B6
S13	18	Exit	G6
S14	17	Inverter	G6
S15	5	Feed Cover	E6
S16	15	Exit Cover	H6
Solenoids			
SOL1	16	Exit Gate	H1
SOL2	11	Inverter Gate	I1

Symbol	Index No.	Description	P to P
Magnetic Clutches			
MC1	1	Feed-in	H1
PCBs			
PCB1	10	DF Main	J4
PCB2	6	DF Indicator	I1
PCB1	10	DF Main	J4
PCB2	6	DF Indicator	I1

B830 Point toPoint Diagram 1/4

Stack Feed-Out Belt HP Sensor — S27 — CN219-3: GND2 -3, KNK I AR 1 -2, 5V -1
Staple Tray Full Sensor — S28 — CN220-3: 5V -3, KNK I AR 1 -2, GND2 -1
Jogger HP Sensor — S29 — CN221-3: GND2 -3, JOG_HP -2, 5V -1
Bottom Fence HP Sensor — S30 — CN223-3: GND2 -3, FENCE_HP -2, 5V -1
Top Fence HP Sensor — S31 — CN222-3: GND2 -3, STOPPER_HP -2, 5V -1
Positioning Roller HP Sensor — S32 — CN218-3: GND2 -3, POP_HP -2, 5V -1
Stack Plate HP Sensor (Center) — S33 — CN225-3: GND2 -3, OSAE_HP -2, 5V -1
Stack Plate HP Sensor (Front) — S34 — CN226-3: GND2 -3, OSAEW_HP -2, 5V -1
Stack Plate HP Sensor (Rear) — S35 — CN227-3: GND2 -3, OSAEU_HP -2, 5V -1
Stapler HP Sensor (Front/Rear) — S36 — CN228-3: GND2 -3, STPHW_HP -2, 5V -1
Stapler Rotation Sensor 1 — S37 — CN229-3: GND2 -3, STPPOS1_HP -2, 5V -1
Stapler Rotation Sensor 2 — S38 — CN230-3: GND2 -3, STPPOS2_HP -2, 5V -1

CN223-1: GND2 -1, KBLT_HP -2, 5V -3, 5V -4, KNK I AR 1 -5, GND2 -6, N. C. -7, GND2 -8, JOG_HP -9, 5V -10, GND2 -11, FENCE_HP -12, 5V -13
CN223-13: GND2 -12, KBLT_HP -11, 5V -10, KNK I AR 1 -9, GND2 -8, N. C. -7, GND2 -6, JOG_HP -5, 5V -4, GND2 -3, FENCE_HP -2, 5V -1
CN345-1: GND2 -1, KBLT_HP -2, 5V -3, 5V -4, KNK I AR 1 -5, GND2 -6, N. C. -7, GND2 -8, JOG_HP -9, 5V -10, GND2 -11, FENCE_HP -12, 5V -13, GND2 -14, STOPPER_HP -15, 5V -16, GND2 -17, POP_HP -18, 5V -19, N. C. -20
CN345-20: GND2 -19, KBLT_HP -18, 5V -17, KNK I AR 1 -16, GND2 -15, N. C. -14, GND2 -13, JOG_HP -12, 5V -11, GND2 -10, FENCE_HP -9, 5V -8, GND2 -7, STOPPER_HP -6, 5V -5, GND2 -4, POP_HP -3, 5V -2, N. C. -1
CN112-1: GND2[0] -1, KBLT_HP[▼5] -2, 5V[5] -3, 5V[0] -4, KNK I AR 1 [▲5] -5, GND2[0] -6, N. C. -7, GND2[0] -8, JOG_HP[▲5] -9, 5V[5] -10, GND2[0] -11, FENCE_HP[▲5] -12, 5V[5] -13, GND2[0] -14, STOPPER_HP[▲5] -15, 5V[5] -16, GND2[0] -17, POP_HP[▲5] -18, 5V[5] -19, N. C. -20
CN105-1: GND2 -1, GND2 -2, 5V -3, 5V -4, TXD2 -5, RXD2 -6, GND2 -7
CN104-1: N. C. -1, 24V -2, 24V -3, 24V -4, 24V -5, GND1 -6, GND1 -7, GND1 -8, GND1 -9
CN344-1: GND2 -1, OSAE_HP -2, 5V -3, GND2 -4, OSAEW_HP -5, 5V -6, GND2 -7, OSAEU_HP -8, 5V -9, N. C. -10, N. C. -11, N. C. -12
CN344-12: GND2 -12, OSAE_HP -11, 5V -10, GND2 -9, OSAEW_HP -8, 5V -7, GND2 -6, OSAEU_HP -5, 5V -4, N. C. -3, N. C. -2, N. C. -1
CN114-1: GND2[0] -1, OSAE_HP[▲5] -2, 5V[5] -3, GND2[0] -4, OSAEW_HP[▲5] -5, 5V[5] -6, GND2[0] -7, OSAEU_HP[▲5] -8, 5V[5] -9
CN139-1: 5V -1, TXD2 -2, RXD2 -3, GND2 -4
CN140-1: 5V -1, TXD0_OUT -2, RXD0_1 IN -3, GND2 -4
CN141-1: 5V -1, TXD1_OUT -2, RXD1_1 IN -3, GND2 -4
CN142-1: 5V -1, TXD3_OUT -2, RXD3_1 IN -3, GND2 -4
CN343-1: GND2 -1, STPHW_HP -2, 5V -3, GND2 -4, STPPOS1_HP -5, 5V -6, N. C. -7, GND2 -8, STPPOS2_HP -9, 5V -10
CN343-10: GND2 -9, STPHW_HP -8, 5V -7, GND2 -6, STPPOS1_HP -5, 5V -4, N. C. -3, GND2 -2, STPPOS2_HP -1
CN115-1: GND2[0] -1, STPHW_HP[▲5] -2, 5V[5] -3, GND2[0] -4, STPPOS1_HP[▲5] -5, 5V[5] -6, GND2[0] -7, STPPOS2_HP[▲5] -8, 5V[5] -9, GND2[0] -10, N. C. -11
CN342-1: N. C. -1, N. C. -2, N. C. -3, N. C. -4, N. C. -5, N. C. -6, N. C. -7, N. C. -8, N. C. -9, N. C. -10, N. C. -11, N. C. -12, N. C. -13, N. C. -14, N. C. -15, N. C. -16, N. C. -17, N. C. -18
CN342-18: N. C. -18, N. C. -17, N. C. -16, N. C. -15, N. C. -14, N. C. -13, N. C. -12, N. C. -11, N. C. -10, N. C. -9, N. C. -8, N. C. -7, N. C. -6, N. C. -5, N. C. -4, N. C. -3, N. C. -2, N. C. -1
CN348-1: GND2 -1, STPHW_HP -2, 5V -3, GND2 -4, STPPOS1_HP -5, 5V -6, N. C. -7, GND2 -8, STPPOS2_HP -9, 5V -10
CN348-10: GND2 -9, STPHW_HP -8, 5V -7, GND2 -6, STPPOS1_HP -5, 5V -4, N. C. -3, GND2 -2, STPPOS2_HP -1

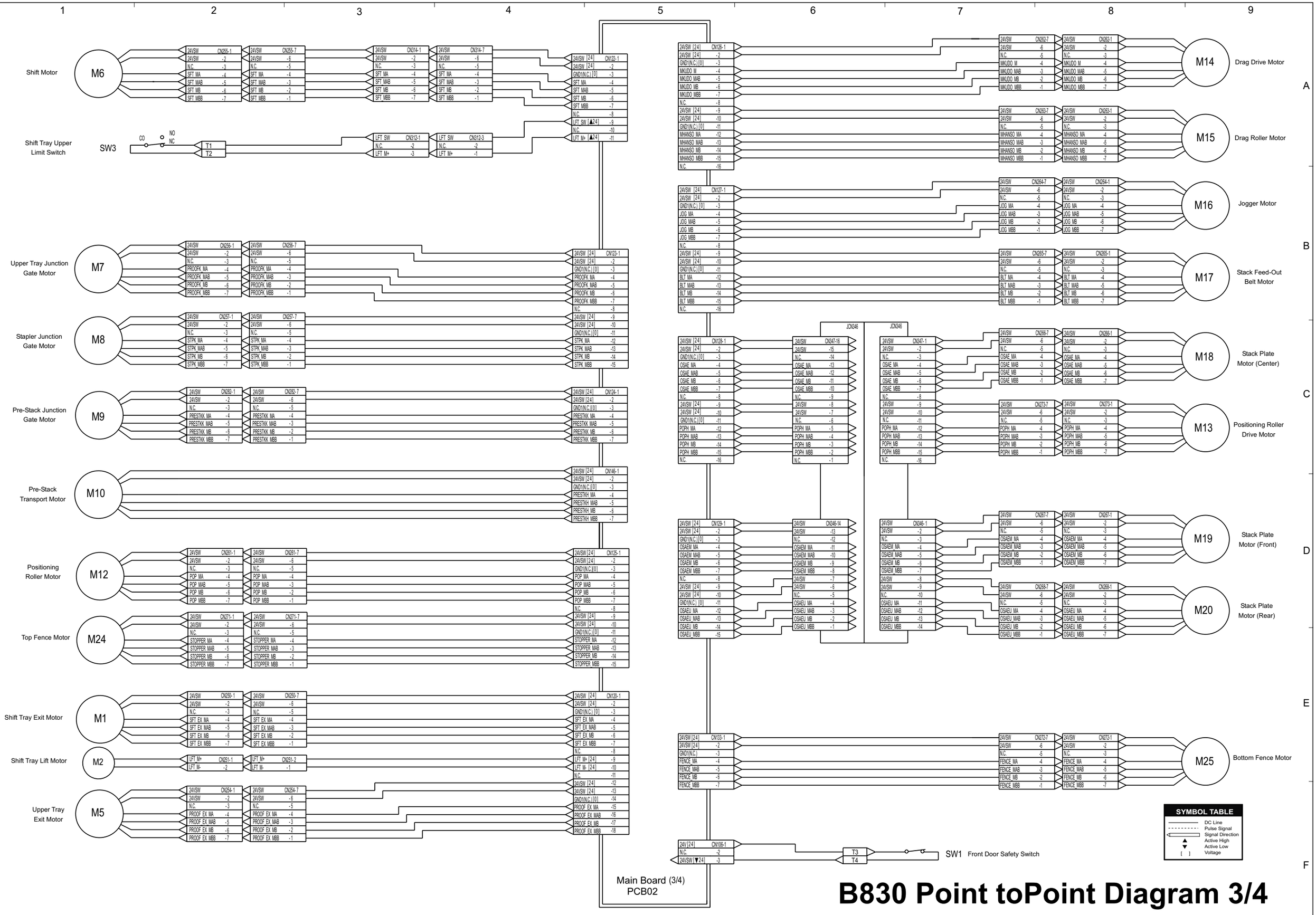
CN290-7: 5V -7, STP_READY -6, N. C. -5, GND2 -4, STP_HP -3, STP_HAR 1 -2, GND2 -1
CN313-1: 5V -1, STP_READY -2, N. C. -3, GND2 -4, STP_HP -5, STP_HAR 1 -6, GND2 -7, N. C. -8, SHOOTER_SOL -9, 24VSW -10
CN313-10: 5V -9, STP_READY -8, N. C. -7, GND2 -6, STP_HP -5, STP_HAR 1 -4, GND2 -3, N. C. -2, SHOOTER_SOL -1, 24VSW -10
CN132-1: 5V[5] -1, STP_READY[▼5] -2, N. C. -3, GND2[0] -4, STP_HP[▼5] -5, STP_HAR 1[▼5] -6, GND2[0] -7, N. C. -8, SHOOTER_SOL[▲24] -9, 24VSW[24] -10
CN281-2: STP M+ -2, STP M- -1
CN131-1: STP M+[24] -1, STP M-[24] -2
CN350-1: SHOOTER_SOL -1, 24VSW -2
CN350-2: SHOOTER_SOL -1, 24VSW -2
CN360-1: SHOOTER_SOL -1, 24VSW -2
CN360-2: SHOOTER_SOL -1, 24VSW -2

SOL1 — Staple Trimming Chute Solenoid
M23 — Staple Hammer Motor

Main Board (2/4) PCB02

SYMBOL TABLE
DC Line
Pulse Signal
Signal Direction
Active High
Active Low
[ ] Voltage

B830 Point toPoint Diagram 2/4



B830 Point toPoint Diagram 3/4

B830 Point toPoint Diagram 4/4

SYMBOL TABLE

———	DC Line
- - - - -	Pulse Signal
◁———	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

Stapler Rotation Motor — M22

Stapler Movement Motor — M21

Pre-Stack Junction Gate Motor — M11

Punch-out Hopper Full Sensor — S39

Punch HP Sensor 1 — S40

Punch Motor — M29

Punch HP Sensor 2 — S41

PCB:*** B8315510

Emergency Stop Switch SW02

Stapler Exit Motor — M4

Exit Guide Motor — M3

Main Board (4/4) PCB02

M27 — Upper Transport Motor

M28 — Lower Transport Motor

Shift Tray Jogger HP Sensor — S42

Shift Tray Jogger Retraction HP Sensor — S43

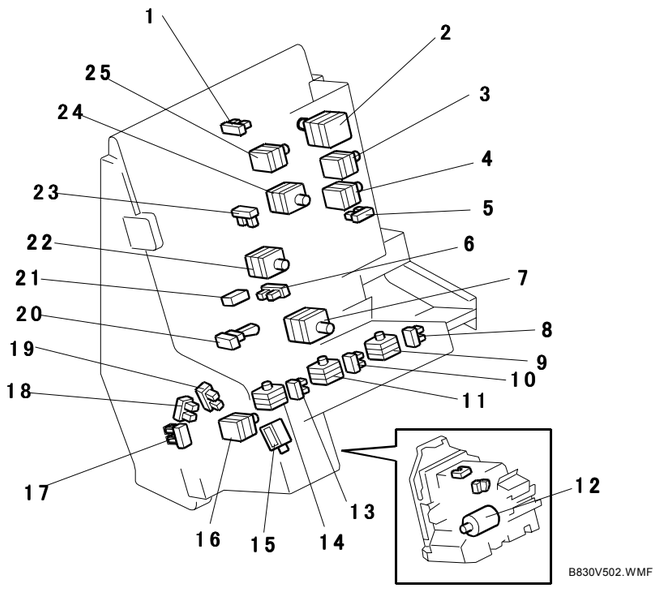
Shift Tray Jogger Motor — M30

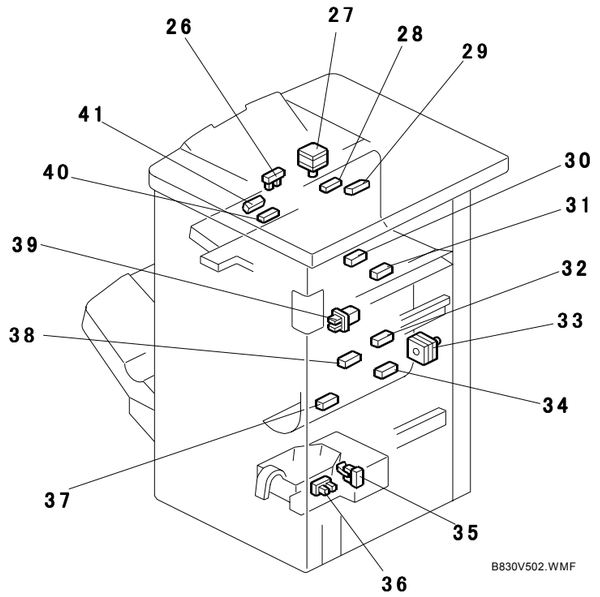
Shift Tray Jogger Retraction Motor — M31

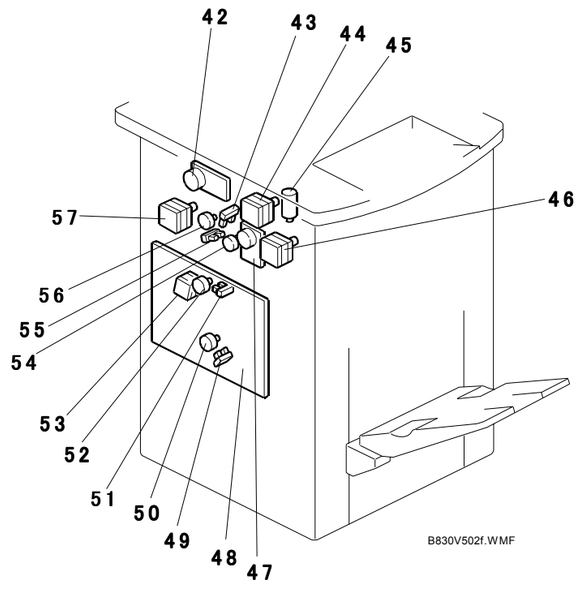
Main Board (Output Jogger) PCB01

Shift Jogger

B830 ELECTRICAL COMPONENT LAYOUT







Symbol	Index No.	Description	P to P
Motors			
M1	46	Shift Tray Exit Motor	3-E1
M2	45	Shift Tray Lift Motor	3-E1
M3	27	Exit Guide Motor	4-F1
M4	33	Stapler Exit Motor	4-E1
M5	44	Upper Tray Exit Motor	3-F1
M6	67	Shift Motor	3-A1
M7	54	Upper Tray Junction Gate Motor	3-B1
M8	56	Stapler Junction Gate Motor	3-C1
M9	52	Pre-Stack Junction Gate Motor	3-C1
M10	53	Pre-Stack Transport Motor	3-D1
M11	50	Pre-Stack Stopper Motor	4-C1
M12	4	Positioning Roller Motor	3-D1
M13	3	Positioning Roller Drive Motor	3-C9
M14	71	Drag Drive Motor	3-A9
M15	72	Drag Roller Motor	3-A9
M16	24	Jogger Motor	3-B9
M17	25	Stack Feed-Out Belt Motor	3-B9
M18	11	Stack Plate Motor (Center)	3-C9
M19	14	Stack Plate Motor (Front)	3-D9
M20	9	Stack Plate Motor (Rear)	3-D9
M21	7	Stapler Movement Motor	4-B1
M22	16	Stapler Rotation Motor	4-A1
M23	12	Staple Hammer Motor	2-F1
M24	2	Top Fence Motor	3-E1
M25	22	Bottom Fence Motor	3-E9
M26	42	Upper Transport Motor	4-B8
M28	47	Lower Transport Motor	4-B8
M29	57	Punch Motor	4-D1
M30	58	Shift Tray Jogger Motor	4-D9
M31	74	Shift Tray Jogger Retraction Motor	4-D9
PCB			
PCB1	77	Main Board (Output Jogger)	4-E7
PCB2	48	Main Board	1-E5
Sensors			
S1	31	Entrance Sensor	1-B1
S2	29	Upper Tray Exit Sensor	1-B1
S3	28	Upper Tray Full Sensor	1-B1
S4	41	Shift Tray Exit Sensor 1	1-C1
S5	40	Shift Tray Exit Sensor 2	1-C1
S6	26	Exit Guide HP Sensor	1-C1
S7	60	Paper Height Sensor – Standby Mode	1-C1
S8	61	Paper Height Sensor – Staple Mode	1-D1
S9	62	Paper Height Sensor – Z-Fold Full	1-D1
S10	76	Paper Height Sensor – Shift/Z-Fold	1-D1
S11	64	Drag Drive HP Sensor	1-D1
S12	65	Shift Tray Half-Turn Sensor 1	1-E1
S13	66	Shift Tray Half-Turn Sensor 2	1-E1
S14	55	Upper Tray Junction Gate HP Sensor	1-B9
S15	43	Stapler Junction Gate HP Sensor	1-B9
S16	51	Pre-Stack Junction Gate HP Sensor	1-C9
S17	38	Pre-Stack Tray Paper Sensor (Right)	1-C9
S18	68	Shift Tray Full Sensor	1-C9
S19	70	Shift Tray Full Sensor (Large Paper)	1-C9
S20	69	Shift Tray Near-Full Sensor	1-D9
S21	37	Stapler Tray Exit Sensor	1-D9
S22	36	Staple Trimmings Hopper Full Sensor	1-D9
S23	35	Staple Trimmings Hopper Set Sensor	1-E9
S24	49	Pre-Stack Stopper HP Sensor	1-E9
S25	34	Pre-Stack Tray Paper Sensor (Left)	1-E9
S26	30	Stapler Tray Entrance Sensor	1-E9
S27	20	Stack Feed-Out Belt HP Sensor	2-A1
S28	21	Staple Tray Full Sensor	2-A1
S29	23	Jogger HP Sensor	2-B1
S30	6	Bottom Fence HP Sensor	2-B1
S31	1	Top Fence HP Sensor	2-B1
S32	5	Positioning Roller HP Sensor	2-B1
S33	10	Stack Plate HP Sensor (Center)	2-C1
S34	13	Stack Plate HP Sensor (Front)	2-C1
S35	8	Stack Plate HP Sensor (Rear)	2-C1
S36	17	Stapler HP Sensor (Front/Rear)	2-C1
S37	19	Stapler Rotation Sensor 1	2-D1
S38	18	Stapler Rotation Sensor 2	2-D1

B832/B834 Point to Point Diagram

Copier (B234/B235/B236)

PSU

Anti-Condensation Heaters (Option)

H1

H2

Multi Bypass Tray (B833)

LCIT (B832/B834)

PCB

Main Control Board
PCB1

Image Position Sensor Board
PCB2

LCT Image Position Sensor

4th Grip Motor

4th Transport Motor

4th Paper Feed Motor

5th Paper Feed Motor

4th Pick-up Solenoid

4th Separation Solenoid

4th Paper Feed Sensor

4th Paper End Sensor

4th Lift Sensor

5th Grip Motor

5th Transport Motor

6th Paper Feed Motor

LCT Exit Motor

5th Pick-up Solenoid

5th Separation SOL

5th Paper Feed Sensor

5th Paper End Sensor

5th Lift Sensor

LCT Exit Sensor

5th Relay Sensor (B834)

4th Lift Motor

5th Lift Motor

6th Lift Motor

Door Safety Switch

6th Grip Motor

6th Transport Motor

4th Relay Sensor (B834)

4th Relay Sensor

6th Relay Sensor (B834)

4th Paper Size Sensor 1, 2, 3 (B832)

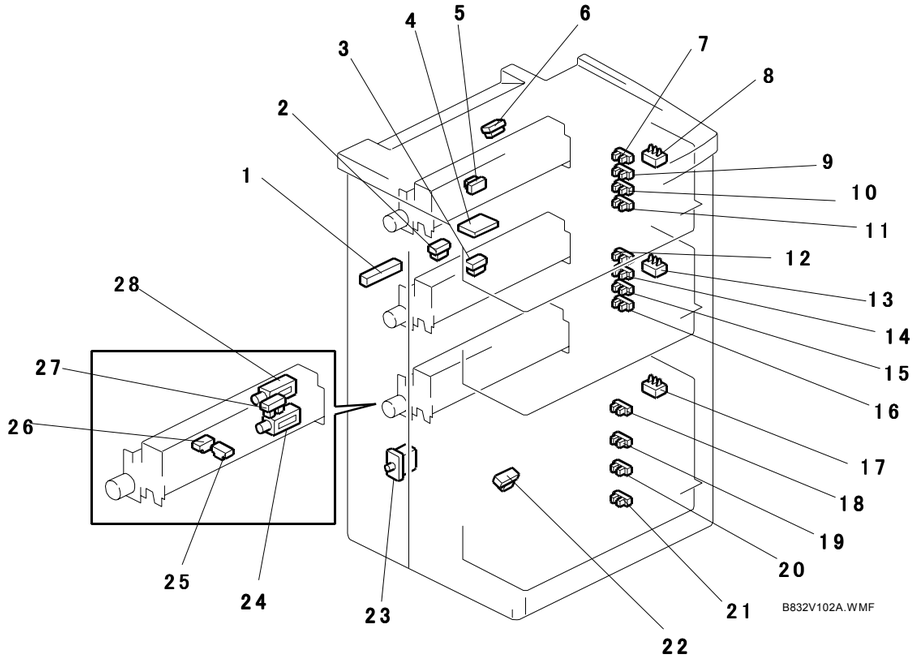
5th Paper Size Sensor 1, 2, 3 (B832)

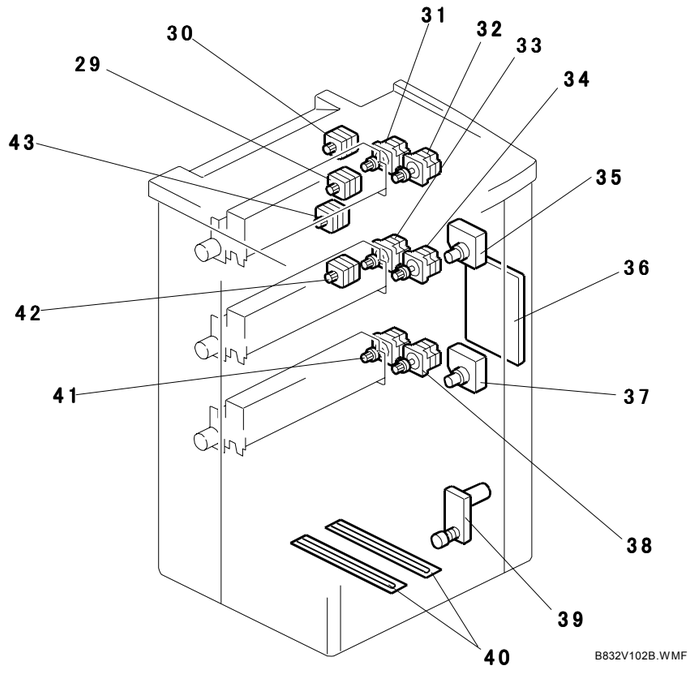
6th Paper Size Sensor 1, 2, 3 (B832)

Not used

Bellini-C3 ALASKA-C/SIBERIA (B832/B834)

B832 ELECTRICAL COMPONENT LAYOUT

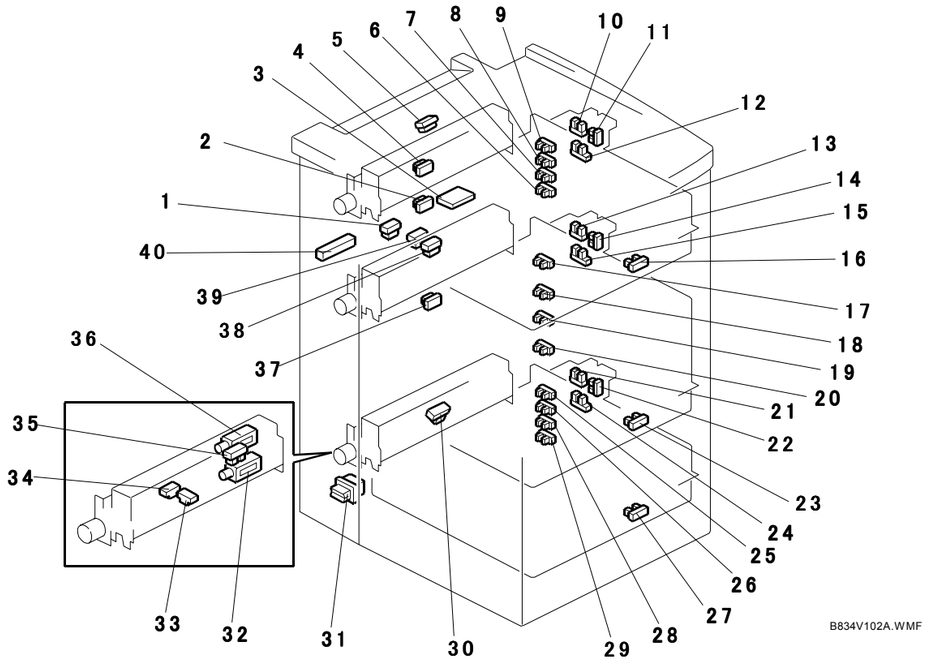




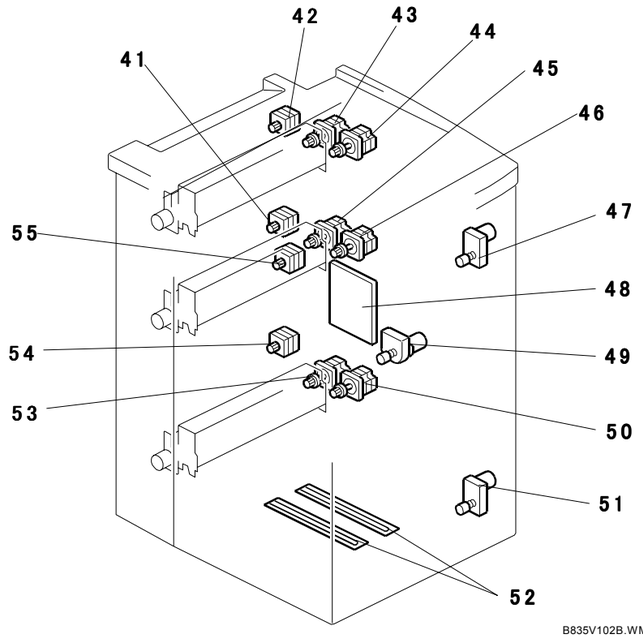
Symbol	Index No.	Description	P to P
Motors			
M1	31	4th Grip Motor	F1
M2	35	4th Lift Motor	F6
M3	32	4th Paper Feed Motor	F2
M4	30	4th Transport Motor	F1
M5	33	5th Grip Motor	F3
M6	37	5th Lift Motor	F6
M7	34	5th Paper Feed Motor	F2
M8	29	5th Transport Motor	F3
M9	41	6th Grip Motor	E7
M10	39	6th Lift Motor	F6
M11	38	6th Paper Feed Motor	F3
M12	42	6th Transport Motor	E7
M13	43	LCT Exit Motor	F4
PCBs			
PCB1	36	Main Control Board	D2
PCB2	4	Image Position Sensor Board	C2
Sensors			
S1	27	4th Lift Sensor	F3
S2	25	4th Paper End Sensor	F2
S3	26	4th Paper Feed Sensor	F2
S4	11	4th Paper Height Sensor 1	C5
S5	10	4th Paper Height Sensor 2	C5
S6	9	4th Paper Height Sensor 3	C5
S7	7	4th Paper Height Sensor 4	C5
S8	–	4th Paper Length Sensor (B834)	–
S9	–	4th Paper Width Sensor 1 (B834)	–
S10	–	4th Paper Width Sensor 2 (B834)	–
S11	–	4th Paper Width Sensor 3 (B834)	–
S12	8	4th Paper Size Sensor 1 (B832)	F9
S13	8	4th Paper Size Sensor 2 (B832)	F9
S14	8	4th Paper Size Sensor 3 (B832)	F9
S15	5	4th Relay Sensor	F8
S16	–	4th Relay Sensor - Upper (B834)	–
S17	6	4th Transport Sensor	C3
S18	27	5th Lift Sensor	F5
S19	25	5th Paper End Sensor	F4
S20	26	5th Paper Feed Sensor	F4
S21	16	5th Paper Height Sensor 1	C7
S22	15	5th Paper Height Sensor 2	C7
S23	14	5th Paper Height Sensor 3	C7
S24	12	5th Paper Height Sensor 4	C7
S25	–	5th Paper Length Sensor (B834)	–
S26	–	5th Paper Width Sensor 1 (B834)	–
S27	–	5th Paper Width Sensor 2 (B834)	–
S28	–	5th Paper Width Sensor 3 (B834)	–
S29	13	5th Paper Size Sensor 1 (B832)	F10
S30	13	5th Paper Size Sensor 2 (B832)	F10

Symbol	Index No.	Description	P to P
S31	13	5th Paper Size Sensor 3 (B832)	F10
S32	–	5th Relay Sensor (B834)	–
S33	3	5th Transport Sensor	C3
S34	27	6th Lift Sensor	C3
S35	25	6th Paper End Sensor	C3
S36	26	6th Paper Feed Sensor	C3
S37	21	6th Paper Height Sensor 1	C9
S38	20	6th Paper Height Sensor 2	C9
S39	19	6th Paper Height Sensor 3	C9
S40	18	6th Paper Height Sensor 4	C9
S41	–	6th Paper Length Sensor (B834)	–
S42	–	6th Paper Width Sensor 1 (B834)	–
S43	–	6th Paper Width Sensor 2 (B834)	–
S44	–	6th Paper Width Sensor 3 (B834)	–
S45	17	6th Paper Size Sensor 1 (B832)	C10
S46	17	6th Paper Size Sensor 2 (B832)	C10
S47	17	6th Paper Size Sensor 3 (B832)	C10
S48	–	6th Relay Sensor (B834)	–
S49	22	6th Transport Sensor	C3
S50	2	LCT Exit Sensor	F5
S51	1	LCT Image Position Sensor	B2
Solenoids			
SOL1	28	4th Pick-up Solenoid	F2
SOL2	24	4th Separation Solenoid	F2
SOL3	28	5th Pick-up Solenoid	F4
SOL4	24	5th Separation SOL	F4
SOL5	28	6th Pick-up Solenoid	C2
SOL6	24	6th Separation Solenoid	C2
Switches			
SW1	23	Door Safety Switch	F6
Other			
H1, H2	40	Anti-Condensation Heaters	B3

B834 ELECTRICAL COMPONENT LAYOUT



B834V102A.WMF



B835V102B.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	43	4th Grip Motor	F1
M2	47	4th Lift Motor	F6
M3	44	4th Paper Feed Motor	F2
M4	42	4th Transport Motor	F1
M5	45	5th Grip Motor	F3
M6	49	5th Lift Motor	F6
M7	46	5th Paper Feed Motor	F2
M8	41	5th Transport Motor	F3
M9	53	6th Grip Motor	E7
M10	51	6th Lift Motor	F6
M11	50	6th Paper Feed Motor	F3
M12	54	6th Transport Motor	E7
M13	55	LCT Exit Motor	F4
PCBs			
PCB1	48	Main Control Board	D2
PCB2	3	Image Position Sensor Board	C2
Sensors			
S1	35	4th Lift Sensor	F3
S2	33	4th Paper End Sensor	F2
S3	34	4th Paper Feed Sensor	F2
S4	9	4th Paper Height Sensor 1	C5
S5	8	4th Paper Height Sensor 2	C5
S6	7	4th Paper Height Sensor 3	C5
S7	6	4th Paper Height Sensor 4	C5
S8	16	4th Paper Length Sensor (B834)	C4
S9	12	4th Paper Width Sensor 1 (B834)	C4
S10	11	4th Paper Width Sensor 2 (B834)	C4
S11	10	4th Paper Width Sensor 3 (B834)	C4
S12	—	4th Paper Size Sensor 1 (B832)	—
S13	—	4th Paper Size Sensor 2 (B832)	—
S14	—	4th Paper Size Sensor 3 (B832)	—
S15	2	4th Relay Sensor	F8
S16	4	4th Relay Sensor - Upper (B834)	F8
S17	5	4th Transport Sensor	C3
S18	35	5th Lift Sensor	F5
S19	33	5th Paper End Sensor	F4
S20	34	5th Paper Feed Sensor	F4
S21	20	5th Paper Height Sensor 1	C7
S22	19	5th Paper Height Sensor 2	C7
S23	18	5th Paper Height Sensor 3	C7
S24	17	5th Paper Height Sensor 4	C7
S25	23	5th Paper Length Sensor (B834)	C7
S26	15	5th Paper Width Sensor 1 (B834)	C6
S27	14	5th Paper Width Sensor 2 (B834)	C6
S28	13	5th Paper Width Sensor 3 (B834)	C6
S29	—	5th Paper Size Sensor 1 (B832)	—
S30	—	5th Paper Size Sensor 2 (B832)	—

Symbol	Index No.	Description	P to P
S31	—	5th Paper Size Sensor 3 (B832)	—
S32	39	5th Relay Sensor (B834)	F6
S33	38	5th Transport Sensor	C3
S34	35	6th Lift Sensor	C3
S35	33	6th Paper End Sensor	C3
S36	34	6th Paper Feed Sensor	C3
S37	29	6th Paper Height Sensor 1	C9
S38	28	6th Paper Height Sensor 2	C9
S39	26	6th Paper Height Sensor 3	C9
S40	25	6th Paper Height Sensor 4	C9
S41	27	6th Paper Length Sensor (B834)	C8
S42	24	6th Paper Width Sensor 1 (B834)	C8
S43	22	6th Paper Width Sensor 2 (B834)	C8
S44	21	6th Paper Width Sensor 3 (B834)	C8
S45	—	6th Paper Size Sensor 1 (B832)	—
S46	—	6th Paper Size Sensor 2 (B832)	—
S47	—	6th Paper Size Sensor 3 (B832)	—
S48	37	6th Relay Sensor (B834)	F8
S49	30	6th Transport Sensor	C3
S50	1	LCT Exit Sensor	F5
S51	40	LCT Image Position Sensor	B2
Solenoids			
SOL1	36	4th Pick-up Solenoid	F2
SOL2	32	4th Separation Solenoid	F2
SOL3	36	5th Pick-up Solenoid	F4
SOL4	32	5th Separation SOL	F4
SOL5	36	6th Pick-up Solenoid	C2
SOL6	32	6th Separation Solenoid	C2
Switches			
SW1	31	Door Safety Switch	F6
Other			
H1, H2	52	Anti-Condensation Heaters	B3

Multi Bypass Tray BY5000
(B833)Point to Point Diagram

SYMBOL TABLE

———	DC Line
- - - - - -	Pulse Signal
———→	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

LCIT RT5000/RT5010 (B832/B834)

Trausport Unit

Feed Unit

Lift Sensor [▲5]
Paper End Sensor [▼5]
Paper Feed Sensor [▼5]
Paper Height Sensor 1[▲5]
Paper Height Sensor 2[▲5]
Paper Width SW -1[▼5]
Paper Width SW -2[▼5]
Paper Width SW -3[▼5]
Paper Width SW -4[▼5]
Paper Width SW -5[▼5]
Paper Leugth Sensor [▼5]
Tray Lower Limit Sensor[▲5]

RESET[0/5]
M_P_STM_MODE3[0/5]
M_P_STM_CLK[0/5]
M_R_STM_MODE3[0/5]
M_R_STM_CLK[0/5]
Pick-up SOL[0/5]
Lift Motor(+)[0/5]
Lift Motor(-)[0/5]
Tray Lift SW[0/5]
Tray Lift SW-LED[0/5]
Feed Unit Set[0/5]

Vaa(+24V)[24]
PGND[0]
Vcc(+5V)[5]
SGND[0]

Lift Sensor 4[▲5]
Paper End Sensor [▼5]
Paper Feed Sensor [▼5]
Paper Height Sensor 1[▲5]
Paper Height Sensor 2[▲5]
Paper Width SW -1[▼5]
Paper Width SW -2[▼5]
Paper Width SW -3[▼5]
Paper Width SW -4[▼5]
Paper Width SW -5[▼5]
Paper Length Sensor [▼5]
Tray Lower Limit Sensor [▲5]

[0/5]RESET
[0/5]M_P_STM_MODE3
[0/5]M_P_STM_CLK
[0/5]M_R_STM_MODE3
[0/5]M_R_STM_CLK
[0/5]Pick-up SOL
[0/5]Lift Motor(+)
[0/5]Lift Motor(-)
[0/5]Tray Lift SW
[0/5]Tray Lift SW-LED
[0/5]Feed Unit Set

[24]Vaa(+24V)
[0]PGND
[5]Vcc(+5V)
[0]SGND

M_P_STM_A[0/24]
COM_A(+24V)[24]
M_P_STM_A-[0/24]
M_P_STM_B[0/24]
COM_B(+24V)[24]
M_P_STM_B-[0/24]

M_R_STM_A[0/24]
COM_A(+24V)[24]
M_R_STM_A-[0/24]
M_R_STM_B[0/24]
COM_B(+24V)[24]
M_R_STM_B-[0/24]
NC

Feed Motor
Transport Motor

SGND[0]
[▲5]
Vcc(+5V)[5]
SGND[0]
[▼5]
Vcc(+5V)[5]
SGND[0]
[▲5]
Vcc(+5V)[5]
SW_LED(K)[0/5]
SW_LED(A)[5]
SW(-)[0]
SW(+)[0/5]
Vaa(+24V)[24]
[▼24]

S1 Lift Sensor
S4 Paper Feed Sensor
S2 Tray Lower Limit Sensor
SW1 Tray Lift Swich
SOL Pick-up SOL

SGND[0]
[▲5]
Vcc(+5V)[5]
SGND[0]
[▲5]
Vcc(+5V)[5]

S5 Paper Height Sensor1
S6 Paper Height Sensor2

Bypass Unit Control Board
PCB1

(-)[0/24]
(+)[0/24]

M2 Lift Motor

SGND[0]
[▼5]
Vcc(+5V)[5]
SGND[0]
[▼5]
Vcc(+5V)[5]
[▼5]
[▼5]
[▼5]
[▼5]
[▼5]
SGND[0]
NC

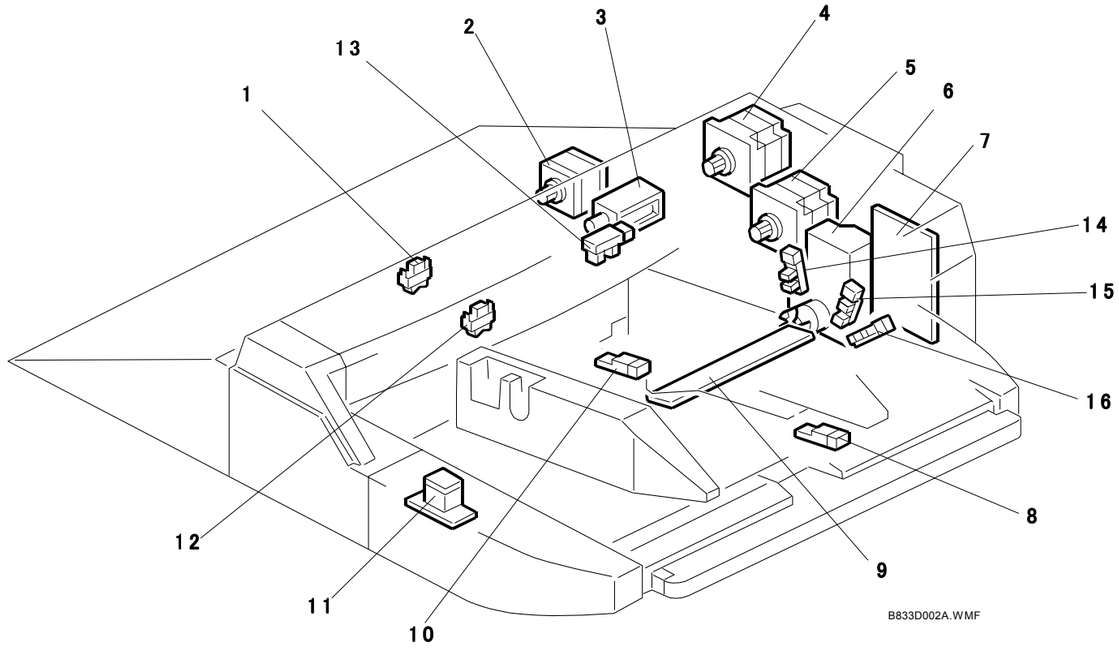
S3 Paper End Sensor
S7 Paper Length Sensor
SW2 Paper Width Switch
bit0
bit1
bit2
bit3
bit4
GND

Relay Motor

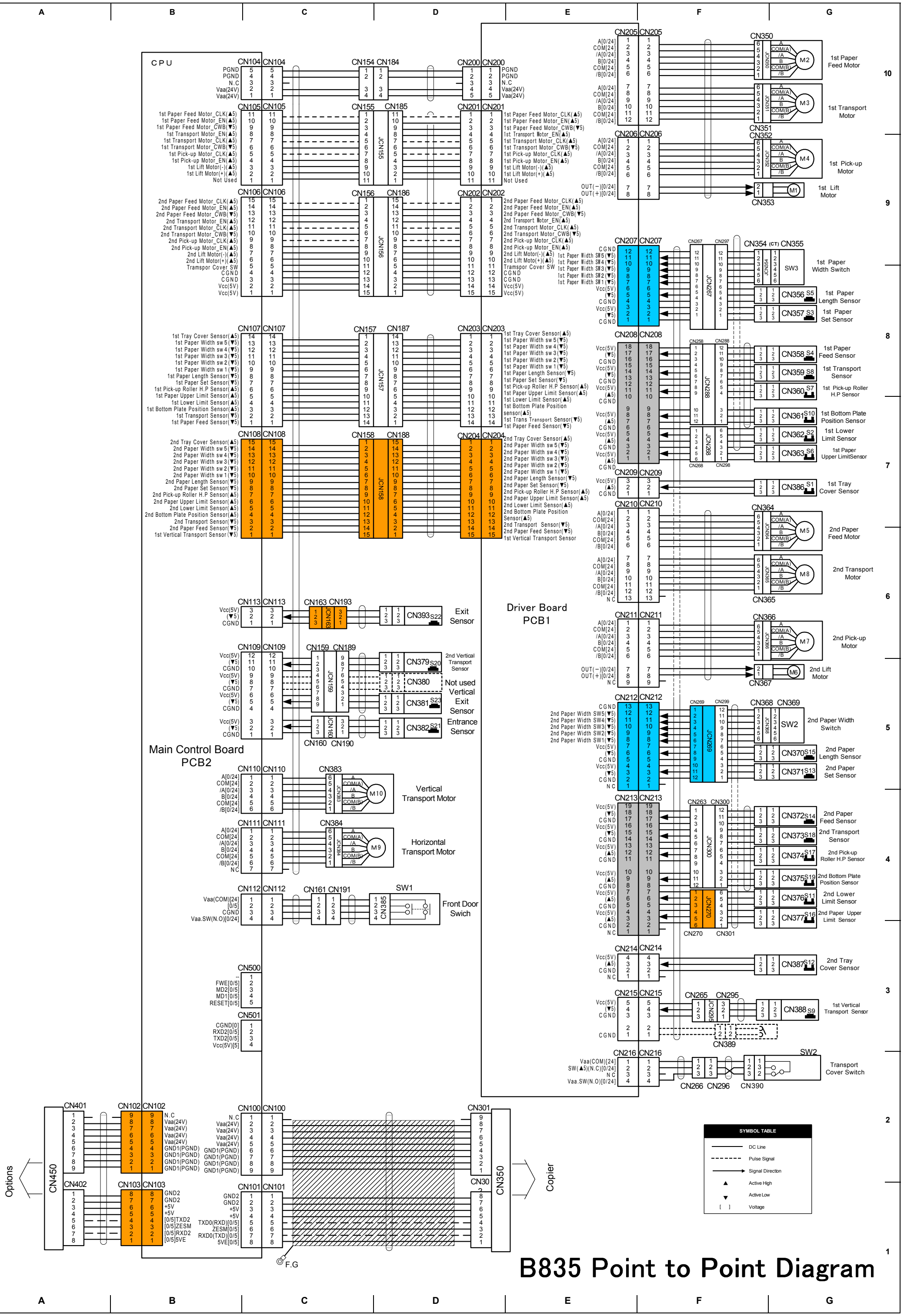
M_H_STM_A[0/24]
COM_A(+24V)[24]
M_H_STM_A-[0/24]
M_H_STM_B[0/24]
COM_B(+24V)[24]
M_H_STM_B-[0/24]
SGND[0]
Relay Sensor[▼5]
Vcc(+5V)[5]
NC
NC
NC
Bypass Tray Set [0/5]
GND[0]

M3
S8 Relay Sensor

B833 ELECTRICAL COMPONENT LAYOUT

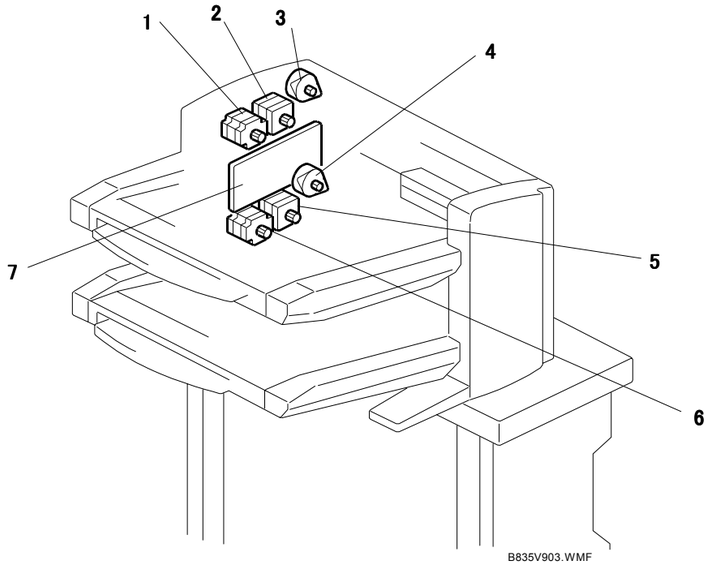


Symbol	Index No.	Description	P to P
Motors			
M1	5	Feed Motor	B9
M2	6	Lift Motor	F9
M3	2	Relay Motor	F3
M4	4	Transport Motor	C9
PCBs			
PCB1	7	Bypass Unit Control Board	F6
Sensors			
S1	13	Lift Sensor	D9
S2	14	Tray Lower Limit Sensor	D9
S3	10	Paper End Sensor	F10
S4	12	Paper Feed Sensor	D9
S5	16	Paper Height Sensor 1	E9
S6	15	Paper Height Sensor 2	E9
S7	8	Paper Length Sensor	E10
S8	1	Relay Sensor	F3
Solenoids			
SOL1	3	Pick-up Solenoid	E9
Switches			
SW1	11	Tray Lift Switch	D9
SW2	9	Paper Width Switches	G10

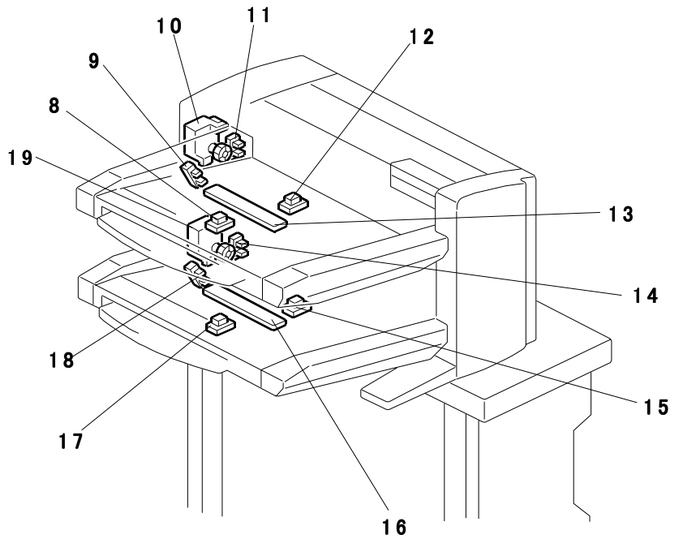

CPU
CN104 CN104
PGND 5 5
PGND 4 4
N.C 3 3
Vaa(24V) 2 2
Vaa(24V) 1 1
CN154 CN184
CN200 CN200
PGND
PGND
N.C
Vaa(24V)
Vaa(24V)
CN105 CN105
1st Paper Feed Motor_CLK(▲5)
1st Paper Feed Motor_EN(▲5)
1st Paper Feed Motor_CWB(▼5)
1st Transport Motor_EN(▲5)
1st Transport Motor_CLK(▲5)
1st Transport Motor_CWB(▼5)
1st Pick-up Motor_CLK(▲5)
1st Pick-up Motor_EN(▲5)
1st Lift Motor(-)(▲5)
1st Lift Motor(+)(▲5)
Not Used
CN155 CN185
JCN155
CN201 CN201
1st Paper Feed Motor_CLK(▲5)
1st Paper Feed Motor_EN(▲5)
1st Paper Feed Motor_CWB(▼5)
1st Transport Motor_EN(▲5)
1st Transport Motor_CLK(▲5)
1st Transport Motor_CWB(▼5)
1st Pick-up Motor_CLK(▲5)
1st Pick-up Motor_EN(▲5)
1st Lift Motor(-)(▲5)
1st Lift Motor(+)(▲5)
Not Used
CN106 CN106
2nd Paper Feed Motor_CLK(▲5)
2nd Paper Feed Motor_EN(▲5)
2nd Paper Feed Motor_CWB(▼5)
2nd Transport Motor_EN(▲5)
2nd Transport Motor_CLK(▲5)
2nd Transport Motor_CWB(▼5)
2nd Pick-up Motor_CLK(▲5)
2nd Pick-up Motor_EN(▲5)
2nd Lift Motor(-)(▲5)
2nd Lift Motor(+)(▲5)
Tramspor Cover SW
CGND
CGND
Vcc(5V)
Vcc(5V)
CN156 CN186
JCN156
CN202 CN202
2nd Paper Feed Motor_CLK(▲5)
2nd Paper Feed Motor_EN(▲5)
2nd Paper Feed Motor_CWB(▼5)
2nd Transport Motor_EN(▲5)
2nd Transport Motor_CLK(▲5)
2nd Transport Motor_CWB(▼5)
2nd Pick-up Motor_CLK(▲5)
2nd Pick-up Motor_EN(▲5)
2nd Lift Motor(-)(▲5)
2nd Lift Moto(+)(▲5)
Tramspor Cover SW
CGND
CGND
Vcc(5V)
Vcc(5V)
CN107 CN107
1st Tray Cover Sensor(▲5)
1st Paper Width sw 5(▼5)
1st Paper Width sw 4(▼5)
1st Paper Width sw 3(▼5)
1st Paper Width sw 2(▼5)
1st Paper Width sw 1(▼5)
1st Paper Length Sensor(▼5)
1st Paper Set Sensor(▼5)
1st Pick-up Roller H.P Sensor(▲5)
1st Paper Upper Limit Sensor(▲5)
1st Lower Limit Sensor(▲5)
1st Bottom Plate Position Sensor(▲5)
1st Transport Sensor(▼5)
1st Paper Feed Sensor(▼5)
CN157 CN187
JCN157
CN203 CN203
1st Tray Cover Sensor(▲5)
1st Paper Width sw 5(▼5)
1st Paper Width sw 4(▼5)
1st Paper Width sw 3(▼5)
1st Paper Width sw 2(▼5)
1st Paper Width sw 1(▼5)
1st Paper Length Sensor(▼5)
1st Paper Set Sensor(▼5)
1st Pick-up Roller H.P Sensor(▲5)
1st Paper Upper Limit Sensor(▲5)
1st Lower Limit Sensor(▲5)
1st Bottom Plate Position sensor(▲5)
1st Trans Transport Sensor(▼5)
1st Paper Feed Sensor(▼5)
CN108 CN108
2nd Tray Cover Sensor(▲5)
2nd Paper Width sw 5(▼5)
2nd Paper Width sw 4(▼5)
2nd Paper Width sw 3(▼5)
2nd Paper Width sw 2(▼5)
2nd Paper Width sw 1(▼5)
2nd Paper Length Sensor(▼5)
2nd Paper Set Sensor(▼5)
2nd Pick-up Roller H.P Sensor(▲5)
2nd Paper Upper Limit Sensor(▲5)
2nd Lower Limit Sensor(▲5)
2nd Bottom Plate Position Sensor(▲5)
2nd Transport Sensor(▼5)
2nd Paper Feed Sensor(▼5)
1st Vertical Transport Sensor (▼5)
CN158 CN188
JCN158
CN204 CN204
2nd Tray Cover Sensor(▲5)
2nd Paper Width sw 5(▼5)
2nd Paper Width sw 4(▼5)
2nd Paper Width sw 3(▼5)
2nd Paper Width sw 2(▼5)
2nd Paper Width sw 1(▼5)
2nd Paper Length Sensor(▼5)
2nd Paper Set Sensor(▼5)
2nd Pick-up Roller H.P Sensor(▲5)
2nd Paper Upper Limit Sensor(▲5)
2nd Lower Limit Sensor(▲5)
2nd Bottom Plate Position Sensor(▲5)
2nd Transport Sensor(▼5)
2nd Paper Feed Sensor(▼5)
1st Vertical Transport Sensor
CN113 CN113
Vcc(5V)
(▼5)
CGND
CN163 CN193
JCN163
CN393 S22
Exit Sensor
CN109 CN109
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
CN159 CN189
JCN159
CN379 S20
2nd Vertical Transport Sensor
CN380
Not used
CN381 S23
Vertical Exit Sensor
CN382 S21
Entrance Sensor
CN160 CN190
JCN160
Main Control Board
PCB2
CN110 CN110
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
CN383
JCN383
M10
Vertical Transport Motor
CN111 CN111
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
NC
CN384
JCN384
M9
Horizontal Transport Motor
CN112 CN112
Vaa(COM)[24]
[0/5]
CGND
Vaa.SW(N.O)[0/24]
CN161 CN191
SW1
CN385
Front Door Swich
CN500
FWE[0/5]
MD2[0/5]
MD1[0/5]
RESET[0/5]
CN501
CGND[0]
RXD2[0/5]
TXD2[0/5]
Vcc(5V)[5]
CN205 CN205
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
CN350
JCN350
M2
1st Paper Feed Motor
CN351
JCN351
M3
1st Transport Motor
CN206 CN206
CN352
JCN352
M4
1st Pick-up Motor
OUT(−)[0/24]
OUT(+)[0/24]
M1
1st Lift Motor
CN353
CN207 CN207
CGND
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
1st Paper Width SW5(▼5)
1st Paper Width SW4(▼5)
1st Paper Width SW3(▼5)
1st Paper Width SW2(▼5)
1st Paper Width SW1(▼5)
CN267 CN297
JCN267
CN354 (CT) CN355
JCN354
SW3
1st Paper Width Switch
CN356 S5
1st Paper Length Sensor
CN357 S3
1st Paper Set Sensor
CN208 CN208
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
NC
CN258 CN288
JCN288
CN358 S4
1st Paper Feed Sensor
CN359 S8
1st Transport Sensor
CN360 S7
1st Pick-up Roller H.P Sensor
CN361 S10
1st Bottom Plate Position Sensor
CN362 S2
1st Lower Limit Sensor
CN363 S6
1st Paper Upper LimitSensor
CN268 CN298
CN209 CN209
Vcc(5V)
(▲5)
CGND
CN386 S1
1st Tray Cover Sensor
CN210 CN210
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
NC
CN364
JCN364
M5
2nd Paper Feed Motor
CN365
JCN365
M8
2nd Transport Motor
CN211 CN211
A[0/24]
COM[24]
/A[0/24]
B[0/24]
COM[24]
/B[0/24]
OUT(−)[0/24]
OUT(+)[0/24]
NC
CN366
JCN366
M7
2nd Pick-up Motor
M6
2nd Lift Motor
CN367
CN212 CN212
CGND
2nd Paper Width SW5(▼5)
2nd Paper Width SW4(▼5)
2nd Paper Width SW3(▼5)
2nd Paper Width SW2(▼5)
2nd Paper Width SW1(▼5)
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
NC
CN269 CN299
JCN269
CN368 CN369
JCN368
SW2
2nd Paper Width Switch
CN370 S15
2nd Paper Length Sensor
CN371 S13
2nd Paper Set Sensor
CN213 CN213
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▼5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
Vcc(5V)
(▲5)
CGND
NC
CN263 CN300
JCN300
CN372 S14
2nd Paper Feed Sensor
CN373 S18
2nd Transport Sensor
CN374 S17
2nd Pick-up Roller H.P Sensor
CN375 S19
2nd Bottom Plate Position Sensor
CN376 S11
2nd Lower Limit Sensor
CN377 S16
2nd Paper Upper Limit Sensor
CN270 CN301
JCN270
CN214 CN214
Vcc(5V)
(▲5)
CGND
NC
CN387 S12
2nd Tray Cover Sensor
CN215 CN215
Vcc(5V)
(▼5)
CGND
CGND
CN265 CN295
JCN265
CN388 S9
1st Vertical Transport Sensor
CN389
CN216 CN216
Vaa(COM)[24]
SW(▲5)(N.C)[0/24]
NC
Vaa.SW(N.O)[0/24]
SW2
Transport Cover Switch
CN266 CN296
CN390
Driver Board
PCB1
Options
CN450
CN401
CN402
CN102 CN102
N.C
Vaa(24V)
Vaa(24V)
Vaa(24V)
Vaa(24V)
GND1(PGND)
GND1(PGND)
GND1(PGND)
GND1(PGND)
CN103 CN103
GND2
GND2
+5V
+5V
[0/5]TXD2
[0/5]ZESM
[0/5]RXD2
[0/5]5VE
CN100 CN100
N.C
Vaa(24V)
Vaa(24V)
Vaa(24V)
Vaa(24V)
GND1(PGND)
GND1(PGND)
GND1(PGND)
GND1(PGND)
CN101 CN101
GND2
GND2
+5V
+5V
TXD0(RXD)[0/5]
ZESM[0/5]
RXD0(TXD)[0/5]
5VE[0/5]
F.G
CN301
CN30
CN350
Copier
SYMBOL TABLE
DC Line
Pulse Signal
Signal Direction
Active High
Active Low
[ ] Voltage
B835 Point to Point Diagram

2004/11/08 日野

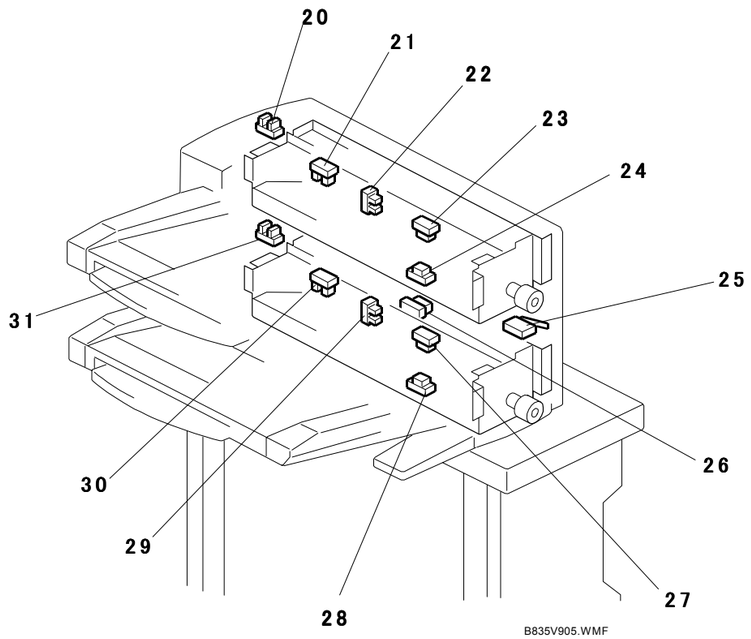
B835 ELECTRICAL COMPONENT LAYOUT



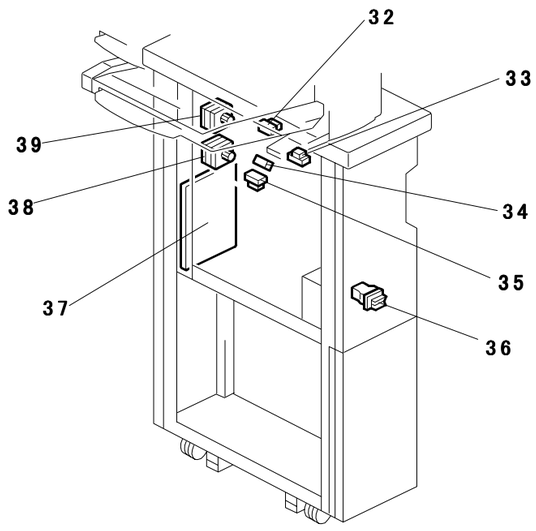
B835V903.WMF



B835V904.WMF

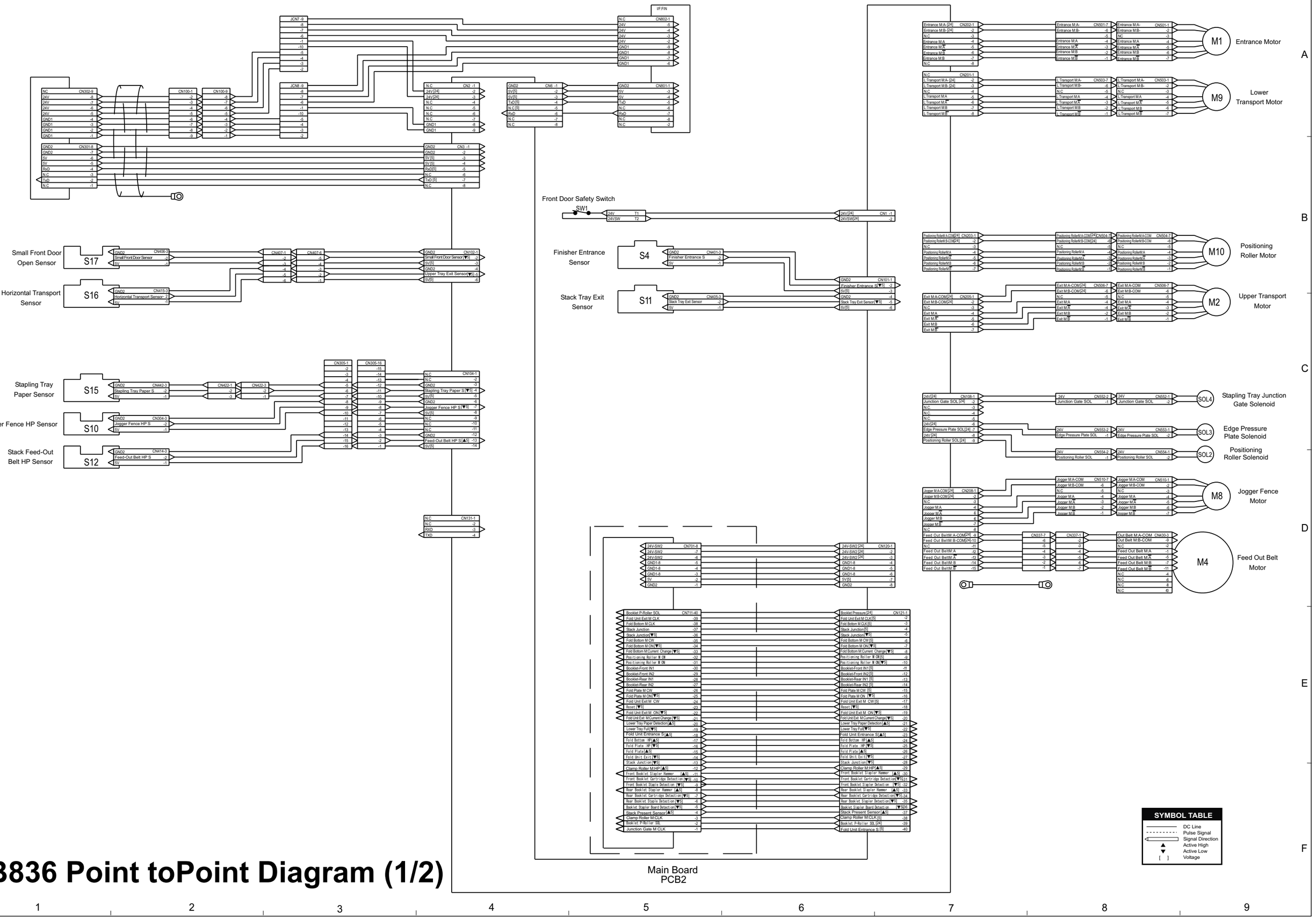


B835V905.WMF

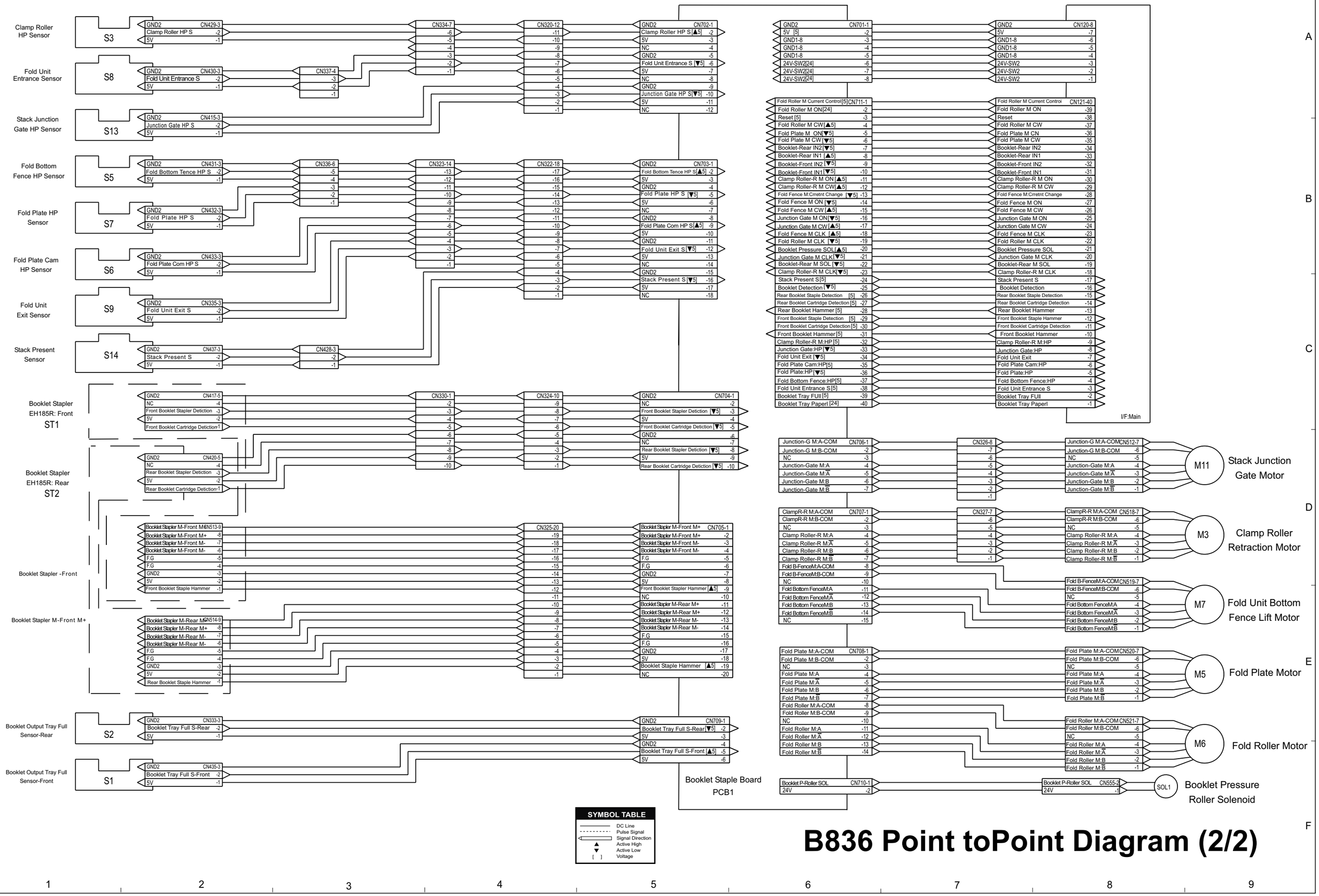


B835V906.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	10	1st Lift Motor	G9
M2	1	1st Paper Feed Motor	G10
M3	3	1st Pick-up Motor	G10
M4	2	1st Transport Motor	G9
M5	6	2nd Feed Motor	G6
M6	19	2nd Lift Motor	G5
M7	4	2nd Pick-up Motor	G6
M8	5	2nd Transport Motor	G6
M9	38	Horizontal Transport Motor	C4
M10	39	Vertical Transport Motor	C4
PCBs			
PCB1	7	Driver Board	E6
PCB2	37	Main Control Board	E5
Sensors			
S1	20	1st Tray Cover Sensor	G7
S2	11	1st Lower Limit Sensor	G7
S3	12	1st paper set sensor	G8
S4	24	1st Paper Feed Sensor	G8
S5	8	1st Paper Length Sensors	G8
S6	9	1st paper upper limit sensor	G7
S7	21	1st Pick-up Roller HP Sensor	G8
S8	23	1st Transport Sensor	G8
S9	26	1st Vertical Transport Sensor	G3
S10	22	1st bottom plate position sensor	G7
S11	14	2nd Lower Limit Sensor	G4
S12	31	2nd tray cover sensor	G3
S13	15	2nd paper set sensor	G5
S14	28	2nd Paper Feed Sensor	G4
S15	17	2nd Paper Length Sensor	G5
S16	18	2nd paper upper limit sensor	G4
S17	30	2nd Pick-up Roller HP Sensor	G4
S18	27	2nd Transport Sensor	G4
S19	29	2nd bottom plate position sensor	G4
S20	32	2nd Vertical Transport Sensor	D5
S21	33	Entrance Sensor	D5
S22	35	Exit Sensor	D6
S23	34	Vertical Exit Sensor	D5
Switches			
SW1	36	Front Door Switch	D4
SW2	25	Transport Cover Switch	G2
SW3	13	1st Paper Width Switch	G8
SW4	16	2nd Paper Width Switch	G5

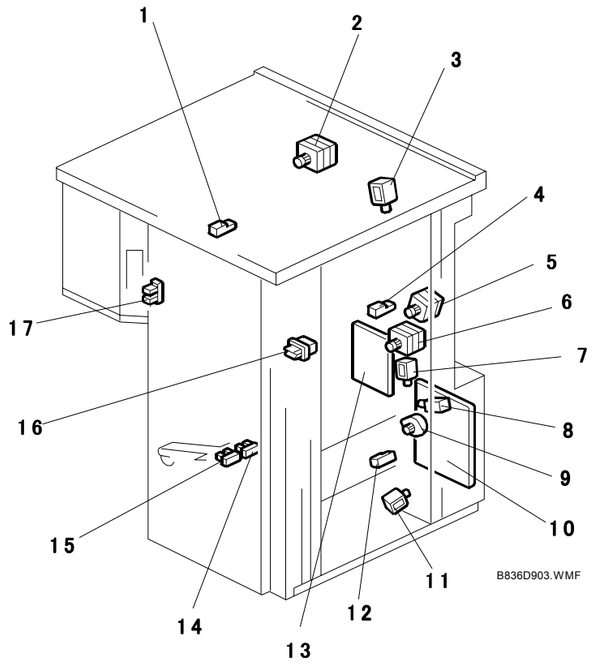


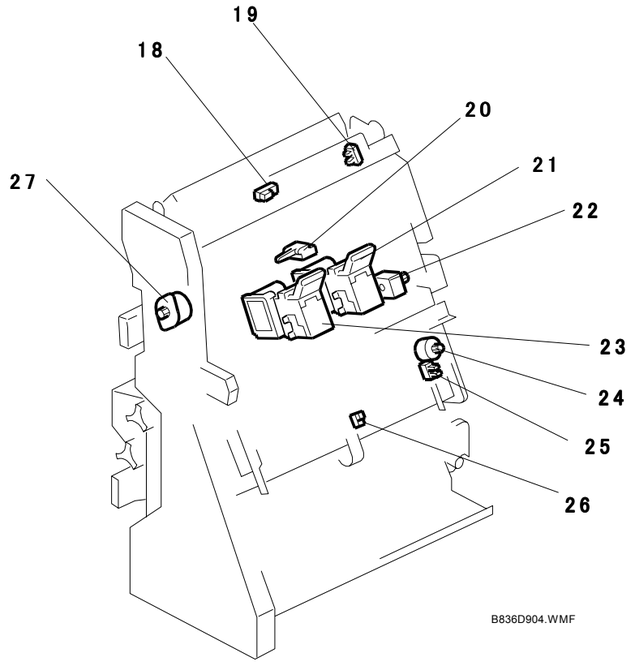
B836 Point toPoint Diagram (1/2)

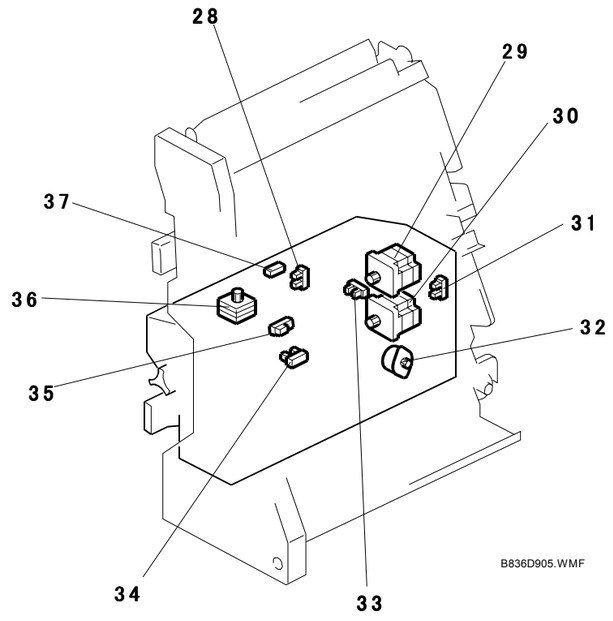


B836 Point toPoint Diagram (2/2)

B836 ELECTRICAL COMPONENT LAYOUT







Symbol	Index No.	Description	P to P
Motors			
M1	5	Entrance Motor	1-A9
M2	2	Upper Transport Motor	1-C9
M3	36	Clamp Roller Retraction Motor	2-D9
M4	22	Feed Out Belt Motor	1-D9
M5	30	Fold Plate Motor	2-E9
M6	29	Fold Roller Motor	2-F9
M7	32	Fold Unit Bottom Fence Lift Motor	2-E9
M8	24	Jogger Fence Motor	1-D9
M9	6	Lower Transport Motor	1-A9
M10	10	Positioning Roller Motor	1-B9
M11	27	Stack Junction Gate Motor	2-D9
PCBs			
PCB1	13	Booklet Stapler Board	2-F5
PCB2	9	Main Board	1-F5
Sensors			
S1	15	Booklet Output Tray Full Sensor – Front	2-F1
S2	14	Booklet Output Tray Full Sensor – Rear	2-E1
S3	28	Clamp Roller HP Sensor	2-A1
S4	4	Finisher Entrance Sensor	1-B5
S5	34	Fold Bottom Fence HP Sensor	2-B1
S6	33	Fold Plate Cam HP Sensor	2-B1
S7	31	Fold Plate HP Sensor	2-B1
S8	35	Fold Unit Entrance Sensor	2-A1
S9	37	Fold Unit Exit Sensor	2-C1
S10	25	Jogger Fence HP Sensor	1-C1
S11	12	Stack Tray Exit Sensor	1-C5
S12	20	Stack Feed-Out Belt HP Sensor	1-D1
S13	19	Stack Junction Gate HP Sensor	2-B1
S14	18	Stack Present Sensor	2-C1
S15	26	Stapling Tray Paper Sensor	1-C1
S16	1	Horizontal Transport Sensor	1-C1
S17	17	Small Front Door Open Sensor	1-D1
Solenoids			
SOL1	7	Booklet Pressure Roller Solenoid	2-F8
SOL2	8	Positioning Roller Solenoid	1-D9
SOL3	11	Edge Pressure Plate Solenoid	1-C9
SOL4	3	Stapling Tray Junction Gate Solenoid	1-C9
Switches			
SW1	16	Front Door Safety Switch	1-B5
Others			
ST1	23	Booklet Stapler - Front	2-C2
ST2	21	Booklet Stapler - Rear	2-D2