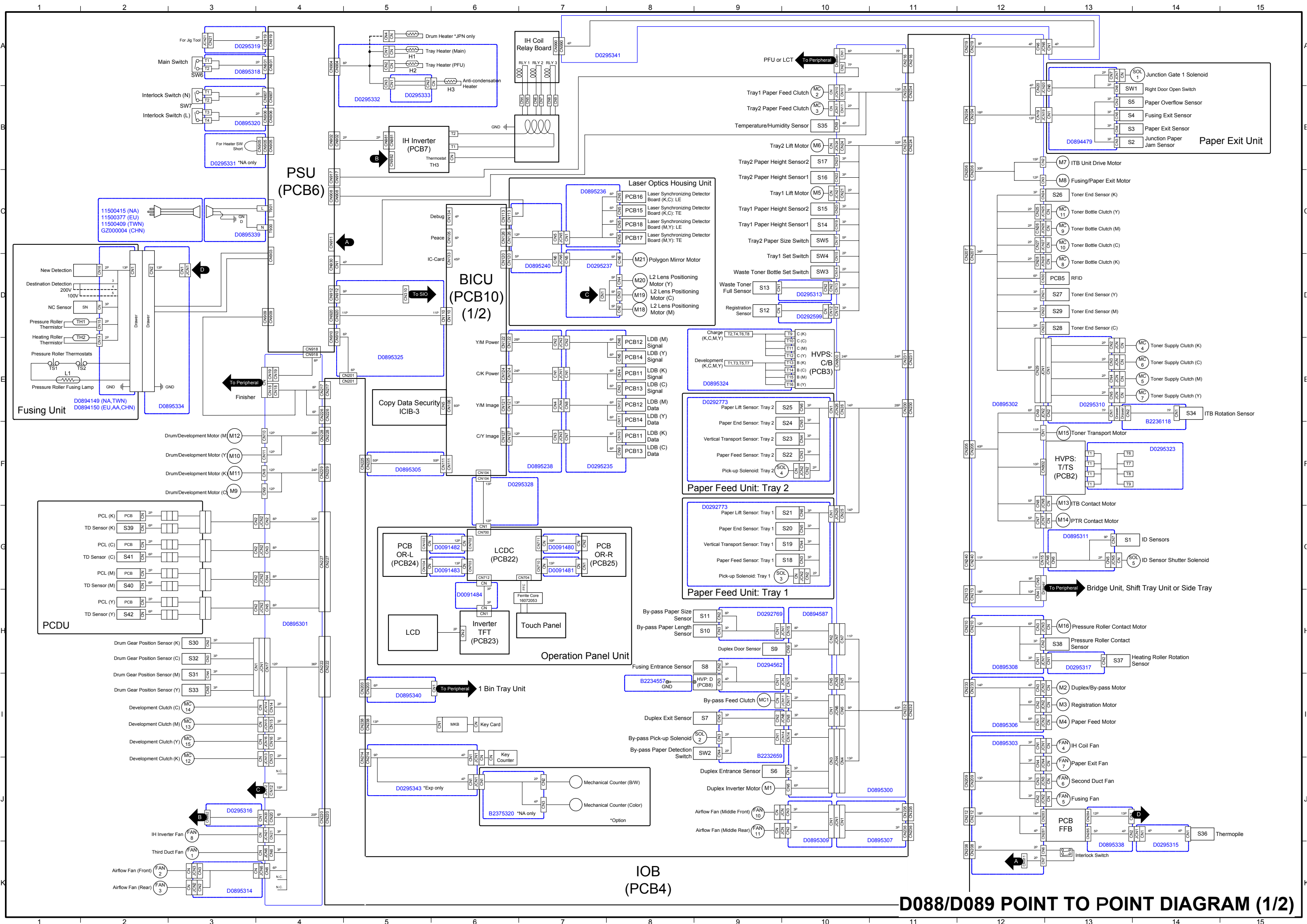
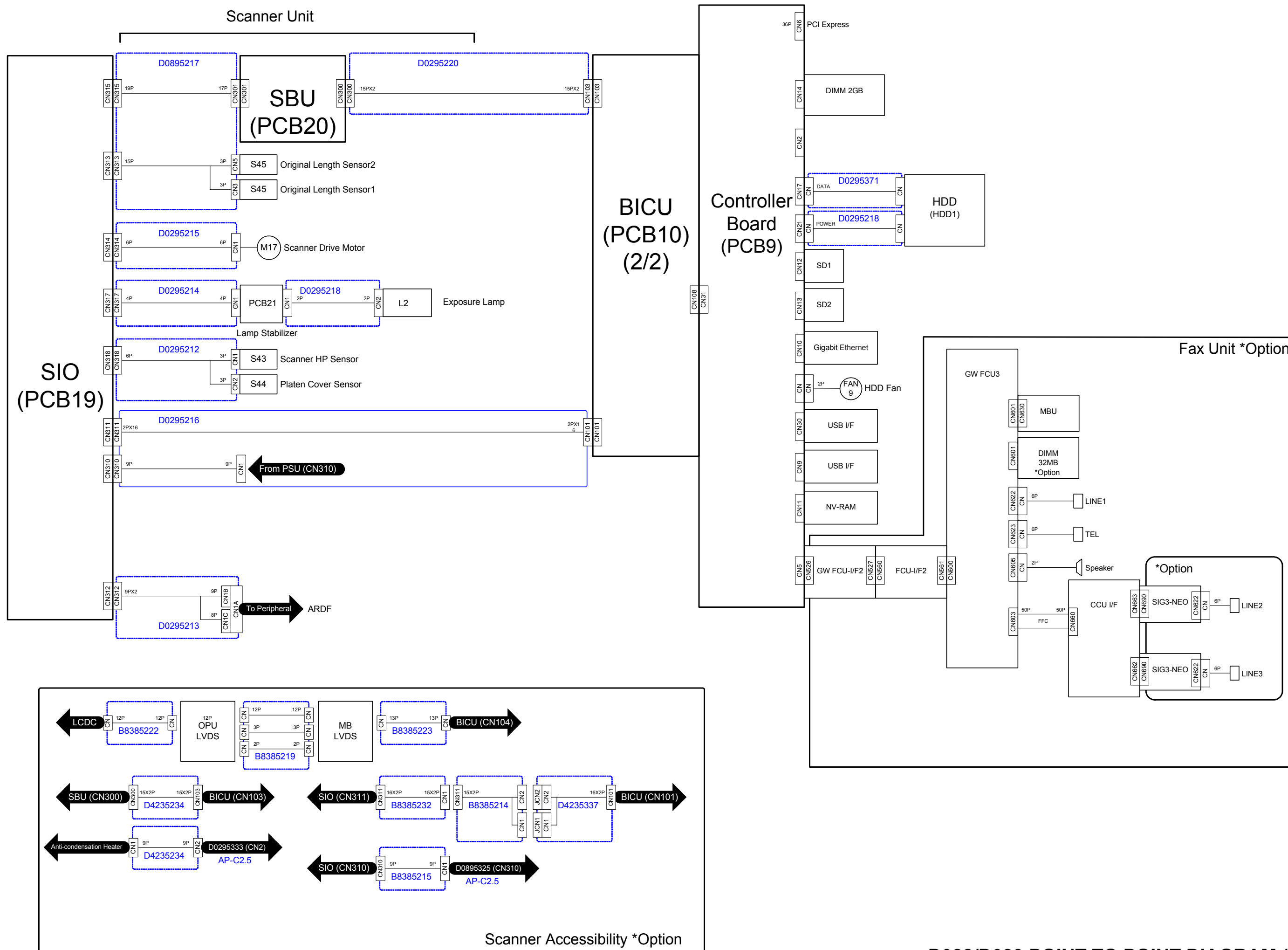




D088/D089 POINT TO POINT DIAGRAM (1/2)



AP/AT-C2.5: Pin Assignment Lists (1/3)

Ap/At-C2.5: Pin Assignment List (IOB)

Harness s No.	P/N	CN (FROM)		Pin No.	Signal Information			Relay Harness No.	Relay P/N	CN (To)							
		No.	From		Signal	Direction	L			H	No.	To	Pin No.				
1	D0895300	CN216	IOB	1	N.C.	N			-	-	CN1	PFU DRAWER	8				
				2	PFU:RXD	→							7				
				3	PFU:TXD	→							6				
				4	PFU:GND	G							5				
				5	PFU:GND	G							4				
				6	PFU:+5V	P							3				
				7	PFU:+5V	P							2				
1	D0895300	CN917	PSU	1	PFU:GND	G			-	-	CN2	PFU DRAWER	7				
				2	PFU:GND	G							6				
				3	PFU:GND	G							5				
				4	PFU:+24V	P							4				
				5	PFU:+24V	P							3				
				6	PFU:+24V	P							2				
				7	PFU:+24V	P							1				
1	D0895300	CN224	IOB	A1	REGIST_SN:GND	G			46	D0292599	CN12	Registration Sensor	3				
				A2	REGIST_SN:DETECT	→	Paper	No Paper					2				
				A3	REGIST_SN:+5V	P							1				
				A4	WASTE_TNR_FULL_SN:GND	G			13	D0295313	CN13	Waste Toner Full Sensor	3				
				A5	WASTE_TNR_FULL_SN:DETECT	→	Not Full	Full					2				
				A6	WASTE_TNR_FULL_SN:+5V	P							1				
				A7	WASTE_TNR_BTL_SET:DETECT	→	Set	Not Set	-	-	CN14	Waste Toner Bottle Set Switch	2				
				A8	WASTE_TNR_BTL_SET:GND	G							1				
				A9	TRAY1:Set:DETECT	→	Set	Not Set	-	-	CN15	TRAY1:Set Switch	2				
				A10	TRAY1:Set:GND	G							1				
				A11	TRAY2:SIZE_DETECT1	→			-	-	CN17	TRAY2:SIZE:DETECT	5				
				A12	TRAY2:SIZE_DETECT2	→							4				
				A13	TRAY2:SIZE_DETECT3	→							3				
				A14	TRAY2:SIZE_DETECT:GND	G					2						
				A15	TRAY2:SIZE_DETECT4	→					1						
				A16	N.C.	N			-	-	CN19	Upper Tray Lift Motor: Paper Remaining	3				
				B1	TRAY1:LIFT_MT:GND	G							2				
				B2	TRAY1:LIFT_MT-REMAIN_SN1	→							1				
				B3	TRAY1:LIFT_MT:+5V	P			-	-	CN20	Upper Tray Lift Motor: Paper Remaining	3				
				B4	TRAY1:LIFT_MT:GND	G							2				
				B5	TRAY1:LIFT_MT-REMAIN_SN2	→							1				
				B6	TRAY1:LIFT_MT:+5V	P			-	-	CN21	Upper Tray Lift Motor	2				
				B7	TRAY1:LIFT_MT:CTL(-)	→							1				
				B8	TRAY1:LIFT_MT:CTL(+)	→											
				B9	TRAY2:LIFT_MT:GND	G			-	-	CN22	Lower Tray Lift Motor: Paper Remaining	3				
				B10	TRAY2:LIFT_MT-REMAIN_SN1	→							2				
				B11	TRAY2:LIFT_MT:+5V	P			-	-			CN23	Lower Tray Lift Motor: Paper Remaining	3		
				B12	TRAY2:LIFT_MT:GND	G					2						
				B13	TRAY2:LIFT_MT-REMAIN_SN2	→					1						
				B14	TRAY2:LIFT_MT:+5V	P			-	-	CN24	Lower Tray Lift Motor	2				
				B15	TRAY2:LIFT_MT:CTL(-)	→							1				
				B16	TRAY2:LIFT_MT:CTL(+)	→											
				1	D0895300	CN231	IOB	1	HVPS:CB:CHRG_AC:K:FB:1	→			-	-	CN800	HVPS:CB	12
								2	HVPS:CB:CHRG_AC:C:FB:2	→							11
								3	HVPS:CB:CHRG_AC:M:FB:3	→							10
								4	HVPS:CB:CHRG_AC:Y:FB:4	→							9
								5	HVPS:CB:CHRG_FILTER_SW	→							8
								6	HVPS:CB:DEV:Y:PWM:4	→	OFF	ON					7
								7	HVPS:CB:DEV:M:PWM:3	→	OFF	ON					6
								8	HVPS:CB:DEV:C:PWM:2	→	OFF	ON					5
								9	HVPS:CB:DEV:K:PWM:1	→	OFF	ON					4
								10	HVPS:CB:CB:SC_DETECT	→	SC Error	Normal					3
								11	HVPS:CB:GND	G							2
								12	HVPS:CB:+24VS2	P							1
								13	HVPS:CB:+24VS2	P							24
								14	HVPS:CB:GND	G							23
								15	HVPS:CB:CHRGDC:K:PWM:1	→	OFF	ON					22
								16	HVPS:CB:CHRGDC:C:PWM:2	→	OFF	ON					21
								17	HVPS:CB:CHRGDC:M:PWM:3	→	OFF	ON					20
								18	HVPS:CB:CHRGDC:Y:PWM:4	→	OFF	ON					19
19	HVPS:CB:CHRG_AC:K:PWM:1	→	OFF					ON			18						
20	HVPS:CB:CHRG_AC:C:PWM:2	→	OFF					ON			17						
21	HVPS:CB:CHRG_AC:M:PWM:3	→	OFF					ON			16						
22	HVPS:CB:CHRG_AC:Y:PWM:4	→	OFF					ON			15						
23	HVPS:CB:CHRG_AC:F:RO	→	OFF					ON			14						
24	HVPS:CB:CHRG_TRG_SIG	→	OFF					ON			13						
1	D0895300	CN232	IOB	A1	DUP_INVERT_MTB	→			48	B0894587	CN4	Duplex Inverter Motor	13				
				A2	DUP_INVERT_MT:+24VS2	P							12				
				A3	DUP_INVERT_MTA	→							11				
				A4	DUP_INVERT_MTB	→							10				
				A5	DUP_INVERT_MT:+24VS2	P							9				
				A6	DUP_INVERT_MTA	→							8				
				A7	DUP_ENT_SN:GND	G					CN5	Duplex Entrance Sensor	7				
				A8	DUP_ENT_SN:DETECT	→	Paper	No Paper					6				
				A9	DUP_ENT_SN:+5V	P							5				
				A10	BYP_P:DETECT:DETECT	→	Not End	End					4				
				A11	BYP_P:DETECT:GND	G							3				
				A12	BYPAS_PU_SOL:+24VS2	P							2				
				A13	BYPAS_PU_SOL:CTL	→							1				
				A14	HVPS:D:SC_DETECT	→			48	D0294562	CN5	HVP:D	7				
				A15	HVPS:D:SEPARATE:PWM	→	OFF	ON					6				
				A16	HVPS:D:GND	G							5				
				A17	HVPS:D:+24VS2	P			52	B2234557			4				
				A18	FUSING_ENT_SN:GND	G							3				
				A19	FUSING_ENT_SN:DETECT	→	Paper	No Paper					2				
				A20	FUSING_ENT_SN:+5V	P					1						
				B1	N.C.	N			48	B0894587	CN6	Duplex Exit Sensor	9				
				B2	N.C.	N							8				
				B3	N.C.	N							7				
				B4	N.C.	N							6				
				B5	BYPAS_FEED_CL:+24VS2	P							5				
				B6	BYPAS_FEED_CL:CTL	→	OFF	ON					4				
				B7	DUP_EXT_SN:GND	G					CN7	Duplex Door Sensor	3				
				B8	DUP_EXT_SN:DETECT	→	Paper	No Paper					2				
				B9	DUP_EXT_SN:+5V	P							1				
				B10	DUP_DOOR_SN:GND	G			48	D0292769	CN7	Duplex Door Sensor	11				
				B11	DUP_DOOR_SN:DETECT	→	Open	Close					10				
				B12	DUP_DOOR_SN:+5V	P							9				
B13	BYPAS_P-LENG_SN:GND	G					8										
B14	BYPAS_P-LENG_SN:DETECT	→					7										
B15	BYPAS_P-LENG_SN:+5V	P					6										
B16	BYPAS_P-SIZE_SN:DETECT2	→					CN7	By-pass Paper Size Sensor	5								
B17	BYPAS_P-SIZE_SN:DETECT1	→							4								
B18	BYPAS_P-SIZE_SN:GND	G							3								
B19	BYPAS_P-SIZE_SN:DETECT4	→							2								
B20	BYPAS_P-SIZE_SN:DETECT3	→							1								

AP/AT-C2.5: Pin Assignment Lists (2/3)

Harnes s No.	P/N	CN (FROM)		Signal Information				Relay Harness No.	Relay P/N	CN (To)					
		No.	From	Pin No.	Signal	Direction	L			H	No.	To	Pin No.		
3	D0895302	CN204	IOB	1	R-DOOR_OP_SW:DETECT	---	Close	Open	44	D0894479	CN20	Right Door Open Switch	4		
				2	R-DOOR_OP_SW:GND	G							Junction Gate 1	2	
				3	JNC_GATE1_SOL+24VS1	P								3	
				4	JNC_GATE1_SOL:PWM	---	ON	OFF						1	
				5	JNC_P-JAM_SN:GND	G					CN19	Junction Paper Jam Sensor	12		
				6	JNC_P-JAM_SN:DETECT	---	Paper	No Paper						11	
				7	JNC_P-JAM_SN+5V	P								10	
				8	P-EXT_SN:GND	G						Paper Exit Sensor	9		
				9	P-EXT_SN:DETECT	---	Paper	No Paper						8	
				10	P-EXT_SN+5V	P								7	
				11	FUSING_EXT_SN+5V	P						Fusing Exit Sensor	6		
				12	FUSING_EXT_SN:DETECT	---	Paper	No Paper						5	
				13	FUSING_EXT_SN:GND	G								4	
				14	P-OVRFLW_SN:GND	G						Paper Overflow Sensor	3		
				15	P-OVRFLW_SN:DETECT	---	Not Full	Full						2	
				16	P-OVRFLW_SN+5V	P								1	
3	D0895302	CN205	IOB	1	TNR_TRANS_MT:CLOCK	---	OFF	ON			CN1	Toner Transport Motor	11		
					N.C.	N								10	
				2	TNR_TRANS_MT:ROTATE	G								9	
				3	TNR_TRANS_MT:STRT	---	ON	OFF						8	
				4	TNR_TRANS_MT:LOCK	---	Normal	Error						7	
				5	TNR_TRANS_MT+5V	P								6	
				6	TNR_TRANS_MT:GND	G								5	
				7	TNR_TRANS_MT:GND	G								4	
				8	TNR_TRANS_MT:GND	G								3	
				9	TNR_TRANS_MT+24VS1	P								2	
				10	TNR_TRANS_MT+24VS1	P								1	
				11	HVPS:TTS:SC_DETECT	---	SC Error	Normal			CN802	HVPS:TTS	10		
				12	HVPS:TTS:PTR--FB	---								9	
				13	HVPS:TTS:PTR--PWM	---	OFF	ON						8	
				14	HVPS:TTS:PTR+PWM	---	OFF	ON						7	
				15	HVPS:TTS:ITB.Y:PWM	---	OFF	ON						6	
				16	HVPS:TTS:ITB.M:PWM	---	OFF	ON						5	
				17	HVPS:TTS:ITB.C:PWM	---	OFF	ON						4	
				18	HVPS:TTS:ITB.K:PWM	---	OFF	ON						3	
				19	HVPS:TTS:GND	G								2	
				20	HVPS:TTS+24VS1	P								1	
				21	ITB_CNTCT_MT+5V	P					CN8	ITB Contact Motor	5		
				22	ITB_CNTCT_MT:POS_DETECT	---	Contact	Not Contact						4	
				23	ITB_CNTCT_MT:GND	G								3	
				24	ITB_CNTCT_MT:CTL(-)	---								2	
				25	ITB_CNTCT_MT:CTL(+)	---								1	
				26	PTR_CNTCT_MT+5V	P					CN7	PTR Contact Motor	5		
				27	PTR_CNTCT_MT:POS_DETECT	---	Contact	Not Contact						4	
				28	PTR_CNTCT_MT:GND	G								3	
				29	PTR_CNTCT_MT:CTL(-)	---								2	
				30	PTR_CNTCT_MT:CTL(+)	---								1	
				31	ITB_UNIT:ENCODER	---			10	D0295310	CN9	ITB Unit	6		
				32	ITB_UNIT:NEW_DETECT:TRG	---	OFF	ON						5	
				33	ITB_UNIT+5V	P								4	
				34	ITB_UNIT:GND	G								3	
				35	ITB_UNIT:NEW_DETECT	---	Used	New	45	B2236118			2		
				36	ITB_UNIT+24VS1	P								1	
				37	N.C.	N									
				38	N.C.	N									
				39	N.C.	N									
				40	N.C.	N									
3	D0895302	CN206	IOB	1	ITB_DRV_MT:GAIN_B	---	Low	High			CN2	ITB Unit Drive Motor	15		
				2	ITB_DRV_MT:CTL_METHOD	---	FG	Encoder						14	
				3	ITB_DRV_MT:ENCODR	---								13	
				4	ITB_DRV_MT:GAIN_A	---	Low	High						12	
				5	ITB_DRV_MT:CLOCK	---	OFF	ON						11	
				6	ITB_DRV_MT:BRK	---	Brake	No Brake						10	
				7	ITB_DRV_MT:ROTATE	---	CW	CCW						9	
				8	ITB_DRV_MT:STRT	---	ON	OFF						8	
				9	ITB_DRV_MT:LOCK	---	Normal	Error						7	
				10	ITB_DRV_MT+5V	P								6	
				11	ITB_DRV_MT:GND	G								5	
				12	ITB_DRV_MT:GND	G								4	
				13	ITB_DRV_MT:GND	G								3	
				14	ITB_DRV_MT+24VS1	P								2	
				15	ITB_DRV_MT+24VS1	P								1	
				16	FUSING/P-EXT_MT:GAIN	---	Low	High			CN3	Fusing/Paper Exit Motor	12		
				17	FUSING/P-EXT_MT:CLOCK	---								11	
				18	FUSING/P-EXT_MT:BRK	---	Brake	No Brake						10	
				19	FUSING/P-EXT_MT:ROTATE	---	CW	CCW						9	
				20	FUSING/P-EXT_MT:STRT	---	ON	OFF						8	
				21	FUSING/P-EXT_MT:LOCK	---	Normal	Error						7	
				22	FUSING/P-EXT_MT+5V	P							6		
				23	FUSING/P-EXT_MT:GND	G								5	
				24	FUSING/P-EXT_MT:GND	G								4	
				25	FUSING/P-EXT_MT:GND	G								3	
				26	FUSING/P-EXT_MT+24VS1	P							2		
				27	FUSING/P-EXT_MT+24VS1	P								1	
				28	N.C.	N									
				29	N.C.	N									
				30	N.C.	N									
3	D0895302	CN207	IOB	A1	TNR_END_SN:K:DETECT	---	End	Not End			CN24	Toner End Sensor (K)	3		
				A2	TNR_END_SN:K:GND	G								2	
				A3	TNR_END_SN:K+5V_POW	---	OFF	ON						1	
				A4	TNR_SPLY_CLK+24VS1	P					CN29	Toner Supply Clutch (K)	8		
				A5	TNR_SPLY_CLK:CTL	---	OFF	ON	10	D0295310			7		
				A6	TNR_SPLY_CLC+24VS1	P						Toner Supply Clutch (C)	6		
				A7	TNR_SPLY_CLC:CTL	---	OFF	ON						5	
				A8	TNR_SPLY_CLM+24VS1	P						Toner Supply Clutch (M)	4		
				A9	TNR_SPLY_CLM:CTL	---	OFF	ON						3	
				A10	TNR_SPLY_CLY+24VS1	P						Toner Supply Clutch (Y)	2		
				A11	TNR_SPLY_CLY:CTL	---	OFF	ON			CN28	Toner Bottle Clutch (K)	1		
				A12	TNR_BTLL_CLK+24VS1	P								2	
				A13	TNR_BTLL_CLK:CTL	---	OFF	ON						1	
				A14	TNR_BTLL_CLC+24VS1	P					CN27	Toner Bottle Clutch (C)	2		
				A15	TNR_BTLL_CLC:CTL	---	OFF	ON						1	
				A16	TNR_BTLL_CLM+24VS1	P					CN26	Toner Bottle Clutch (M)	2		
				A17	TNR_BTLL_CLM:CTL	---	OFF	ON						1	
				B1	TNR_BTLL_CLY+24VS1	P					CN25	Toner Bottle Clutch (Y)	2		
				B2	TNR_BTLL_CLY:CTL	---	OFF	ON						1	
				B3	RFID:GND	G					CN30	RFID	6		
				B4	RFID+5V	P								5	
				B5	RFID:TXD	---								4	

AP/AT-C2.5: Pin Assignment Lists (3/3)

Ap/At-C2.5: Pin Assignment List (BICU)

Harnes s No.	P/N	CN (FROM)		Signal Information					Relay Harness No.	Relay P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H			No.	To	Pin No.
61 AP	D0295216	CN101	BICU	A1	GND				-	-	CN311	SIO	A16
				A2	GND								A15
				A3	ADF_UART_RX								A14
				A4	ADF_UART_TX								A13
62 AT	D0255219			A5	ADF_SCN_GATE_SIG								A12
				A6	SCN_FAN_ON_SIG								A11
				A7	SCN.MT.SYNG.SIG								A10
				A8	SCN.MT.M1.SIG								A9
				A9	SCN.MT.M2.SIG								A8
				A10	SCN.MT.CLK.SIG								A7
				A11	SCN.MT.DIR.SIG								A6
				A12	SCN.MT.RST.SIG								A5
				A13	SCN.MT.VR1.SIG								A4
				A14	SCN.MT.VR2.SIG								A3
				A15	SCN.MT.VR3.SIG								A2
				A16	GND								A1
				B1	GND								B16
				B2	GND								B15
				B3	GND								B14
				B4	GND								B13
				B5	LAMP_ON_SIG								B12
				B6	PLTN_OPN_SIG								B11
				B7	SCN_HP_SN_SIG								B10
				B8	ORGN_SIZE_DETECT_SIG5								B9
				B9	GND								B8
				B10	ORGN_SIZE_DETECT_SIG3								B7
				B11	GND								B6
				B12	GND								B5
				B13	ORGN_SIZE_DETECT_ON_SIG								B4
				B14	RCVRY_SN_POW_ON_SIG								B3
				B15	ADF_ORGN_SET_DETECT_SIG								B2
				B16	GND								B1
63 AP	D0295221	CN103	BICU	A1	SIG_GRND				-	-	CN300	SBU	B15
				A2	SUB_SCN_GATE								B14
				A3	SIG_GRND								B13
64 AT	D0255221			A4	SERIAL_TX_DATA								B12
				A5	SERIAL_TX_CLOCK								B11
				A6	LVDS_OUT_DATA2-1(-)								B10
				A7	LVDS_OUT_DATA2-2(-)								B9
				A8	LVDS_OUT_DATA2-3(-)								B8
				A9	LVDS_TX_CLOCK2(-)								B7
				A10	SIG_GRND								B6
				A11	LVDS_OUT_DATA1-2(-)								B5
				A12	LVDS_OUT_DATA1-3(-)								B4
				A13	SIG_GRND								B3
				A14	SIG_GRND								B2
				A15	CNNGT_DETECT								B1
				B1	SIG_GRND								A15
				B2	SIG_GRND								A14
				B3	SIG_GRND								A13
				B4	LVDS_OUT_DATA1-3(+)								A12
				B5	LVDS_OUT_DATA1-2(+)								A11
				B6	SIG_GRND								A10
				B7	LVDS_TX_CLOCK2(+)								A9
				B8	LVDS_OUT_DATA2-3(+)								A8
				B9	LVDS_OUT_DATA2-2(+)								A7
				B10	LVDS_OUT_DATA2-1(+)								A6
				B11	SERIAL_CS								A5
				B12	SERIAL_RXDATA								A4
				B13	SUB_SCN_GATE								A3
				B14	LINE_THNK								A2
				B15	SIG_GRND								A1
28 AP	D0295328	CN104	BICU	1	POW_SW_IN_SIG				-	-	CN1	OPU	12
				2	POW								11
				3	OP_INTRPT_SIG(LINTRPT)								10
53 AT	D0875223			4	GND								9
				5	OP_RX_DATA								8
				6	OP_RX_CLOCK								7
				7	GND								6
				8	OP_TX_CLOCK								5
				9	OP_TX_DATA								4
				10	POW								3
				11	POW								2
				12	POW								1
				13	N.C								
35	D0895240	CN120	BICU	1	POW				55	D0295237	CN6	Polygon Mirror Motor	5
				2	GND								4
				3	PLYGN.MT.ON								3
				4	PLYGN.MT.RDY								2
				5	PLYGN.MT.CLOCK								1

Harness s No.	P/N	CN (FROM)		Signal Information				Relay Harness No.	Relay P/N	CN (To)			
		No.	From	Pin No.	Signal	Direction	L			H	No.	To	Pin No.
36 AP	D0895238	CN121	BICU	1	Y LD2 Data +				56	D0295235	CN4	LDB (Y/M)	13
				2	Y LD2 Data -							DATA	12
				3	GND								11
37 AT	D0875242			4	GND				57	D0255241			10
				5	Y LD1 Data -								9
				6	Y LD1 Data +								8
				7	M LD2 Data +								7
				8	M LD2 Data -								6
				9	GND								5
				10	GND								4
				11	M LD1 Data -								3
				12	M LD1 Data +								2
				13	N.C								-
		CN127	BICU	1	BK LD2 Data +				56	D0295235	CN3	LDB (C/K)	12
				2	BK LD2 Data -							DATA	11
				3	GND								10
				4	GND				57	D0255241			9
				5	BK LD1 Data -								8
				6	BK LD1 Data +								7
				7	C LD2 Data +								6
				8	C LD2 Data -								5
				9	GND								4
				10	GND								3
				11	C LD1 Data -								2
				12	C LD1 Data +								1
		CN122	BICU	1	LD_POW (+5VS)				56	D0295235	CN2	LDB (Y/M)	13
				2	Y_LD2:PWM_DAC							POW	12
				3	Y_LD2:APCCTL								11
				4	Y_LD2:LD_OFF				57	D0255241			10
				5	GND								9
				6	HRNSS:VLDERR/GND on BICU								8
				7	Y_LDERR_DETECT								7
				8	GND								6
				9	Y_LD1:LD_OFF								5
				10	Y_LD1:APC_CTL								4
				11	Y_LD1:PWM_DAC								3
				12	LD_POW (+5VS)								2
				13	N.C								-
				14	LD_POW (+5VS)								26
				15	M_LD2:PWM_DAC								25
				16	M_LD2:APC_CTL								24
				17	M_LD2:LD_OFF								23
				18	GND								22
				19	LD_SV_POW_ERR_DETECT								21
				20	M_LD_ERR_DETECT								20
				21	GND								19
				22	M_LD1:LD_OFF								18
				23	M_LD1:APC_CTL								17
				24	M_LD1:PWM_DAC								16
				25	LD_POW (+5VS)								15
		CN124	BICU	26	N.C				56	D0295235	CN1	LDB (C/K)	-
				1	LD_POW (+5VS)							POW	12
				2	C_LD2:PWM_DAC								11
				3	C_LD2:APC_CTL				57	D0255241			10
				4	C_LD2:LD_OFF								9
				5	GND								8
				6	HRNSS:VLDERR/GND on BICU								7
				7	C_LD_ERR_DETECT								6
				8	GND								5
				9	C_LD1:LD_OFF								4
				10	C_LD1:APC_CTL								3
				11	C_LD1:PWM_DAC								2
				12	LD_POW (+5VS)								1
				13	LD_POW (+5VS)								24
				14	BK_LD2:PWM_DAC								23
				15	BK_LD2:APC_CTL								22
				16	BK_LD2:LD_OFF								21
				17	GND								20
				18	HRNSS:VLDERR/GND on BICU								19
				19	BK_LD_ERR_DETECT								18
				20	GND								17
				21	BK_LD1:LD_OFF								16
				22	BK_LD1:APC_CTL								15
35	D0895240	CN126	BICU	1	M/Y_TE_SYNCHR_DETECT_SIG				54	D0895236	CN5	Laser Synchronizing Detector Board	12
				2	POW								11
				3	GND								10
				4	M/Y_LE_SYNCHR_DETECT_SIG								9
				5	POW								8
				6	GND								7
				7	K/C_TE_SYNCHR_DETECT_SIG								6
				8	POW								5
				9	GND								4
				10	K/C_LE_SYNCHR_DETECT_SIG								3
				11	POW								2
				12	GND								1
35	D0895240	CN113	BICU	1	24V				-	-	CN1	SDB	4
				2	REON_DC_N								3
				3	5VE								2
				4	ACSWON_N								1
				5	GND (N.C.)								
76	D5435550	CN102 1PASS DF Only	BICU	A1	GND				-	-	CN2	CIS	A1
				A2	E_SDC-								A2
				A3	E_SDD-								A3
				A4	E_SDE-								A4
				A5	ESCLK-								A5
				A6	E_SDA-								A6
				A7	E_SDB-								A7
				A8	GND								A8
				A9	O_SDC-								A9
				A10	O_SDD-								A10
				A11	O_SDE-								A11
				A12	OSCLK-								A12
				A13	O_SDA-								A13
				A14	O_SDB-								A14
				A15	GND								A15
				B1	GND								B1
				B2	O_SDB+								B2
				B3	O_SDA+								B3
				B4	OSCLK+								B4
				B5	O_SDE+								B5
				B6	O_SDD+								B6
				B7	O_SDC+								B7
				B8	GND								B8
				B9	E_SDB+								B9
				B10	E_SDA+								B10
				B11	ESCLK+								B11
				B12	E_SDE+								B12
				B13	E_SDD+								B13
				B14	E_SDC+								B14
				B15	GND								B15

D088/D089 ELECTRICAL COMPONENT LAYOUT (1/2)

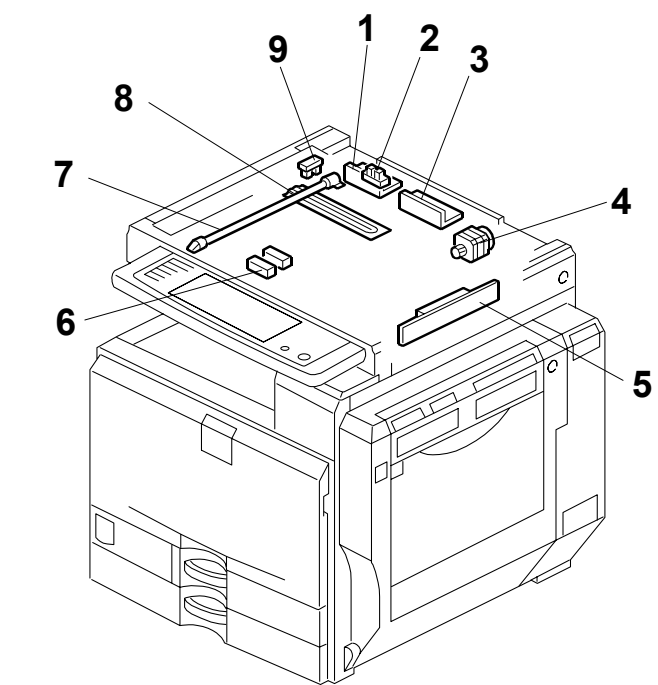


Fig-1 d027v101

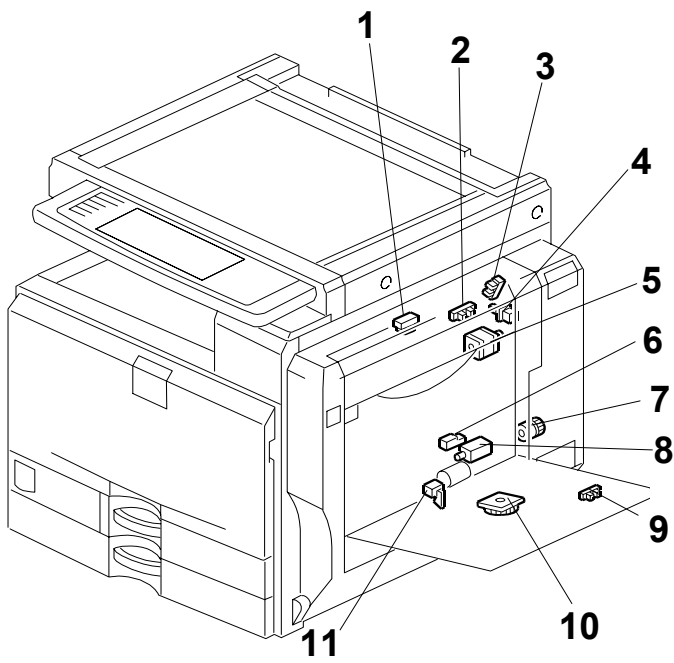


Fig-2 d027v102

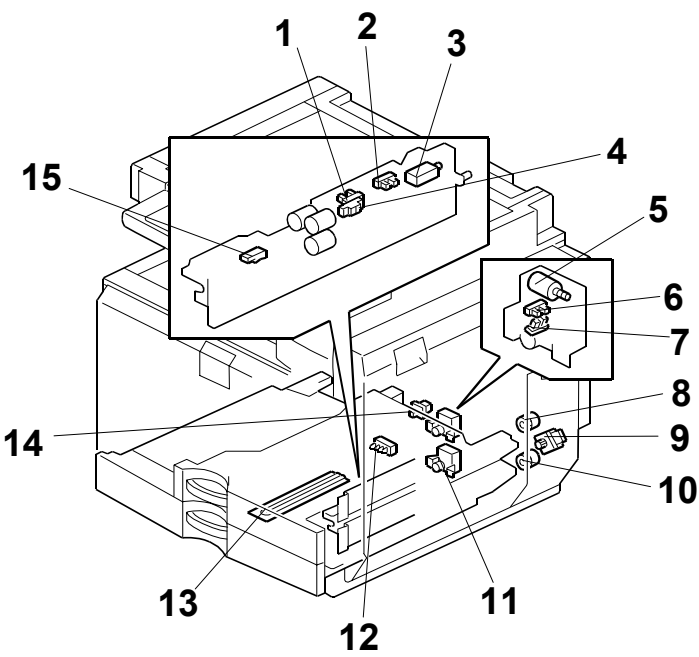


Fig-3 d088v103

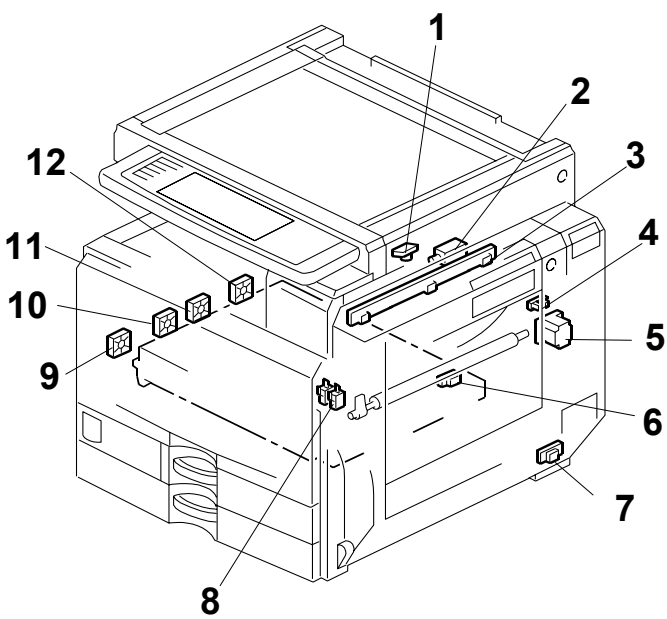


Fig-4 d088v104

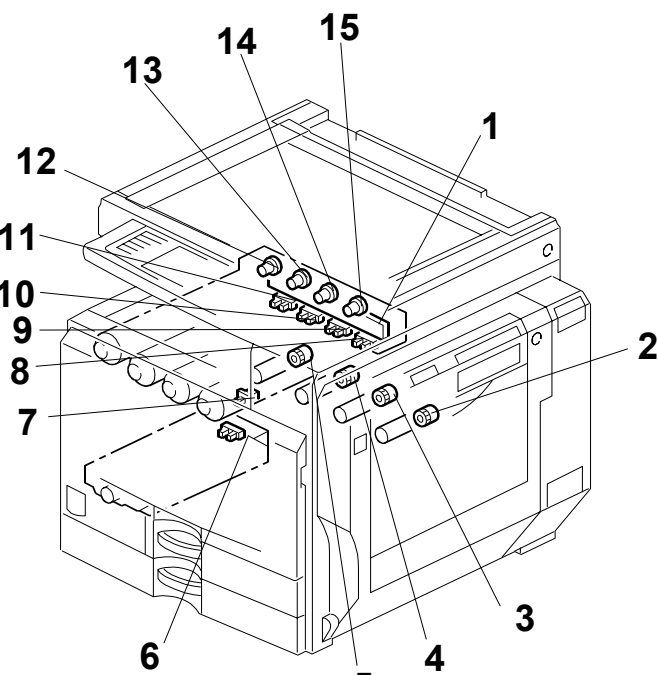


Fig-5 B222V105

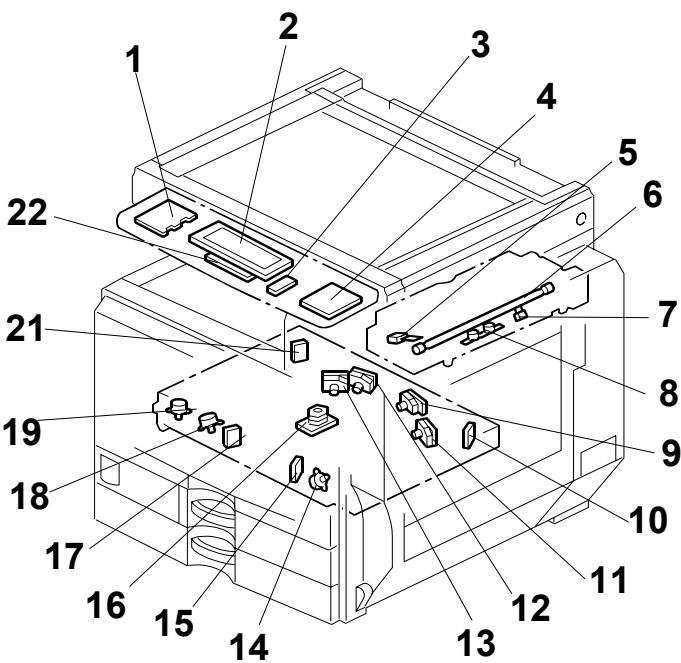


Fig-6 B222V106

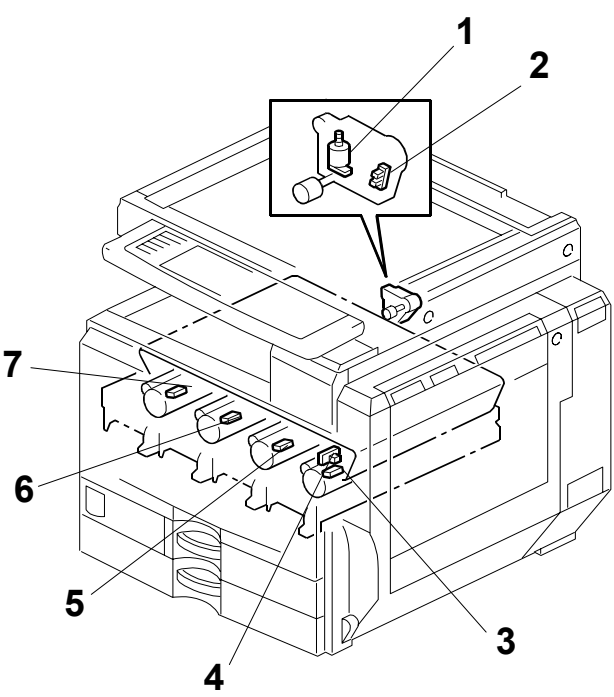


Fig-7 B222V107

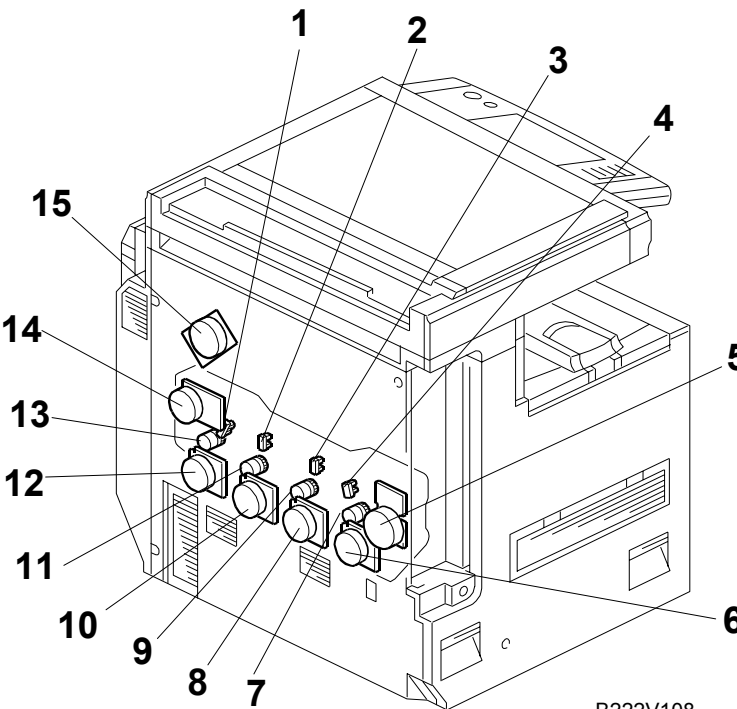


Fig-8 B222V108

D088/D089 ELECTRICAL COMPONENT LAYOUT (2/2)

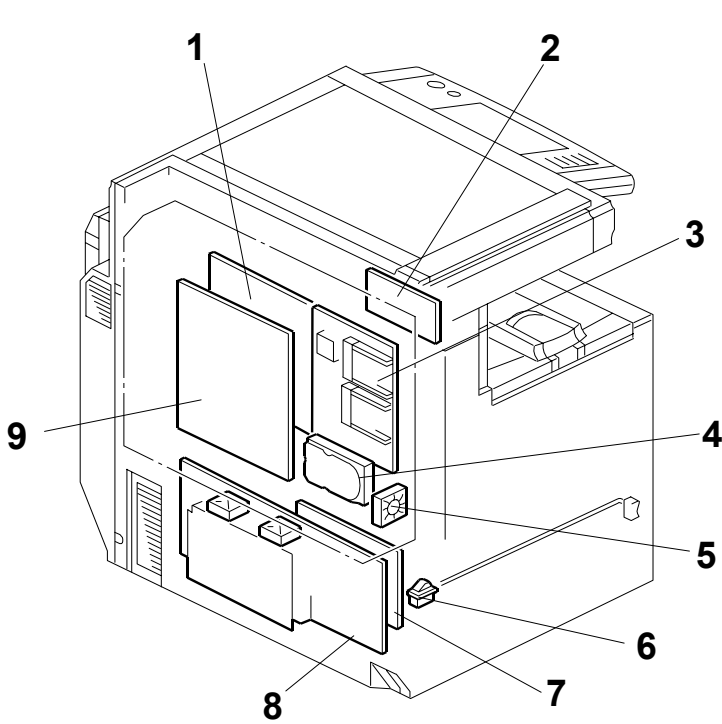


Fig-9 d027v109

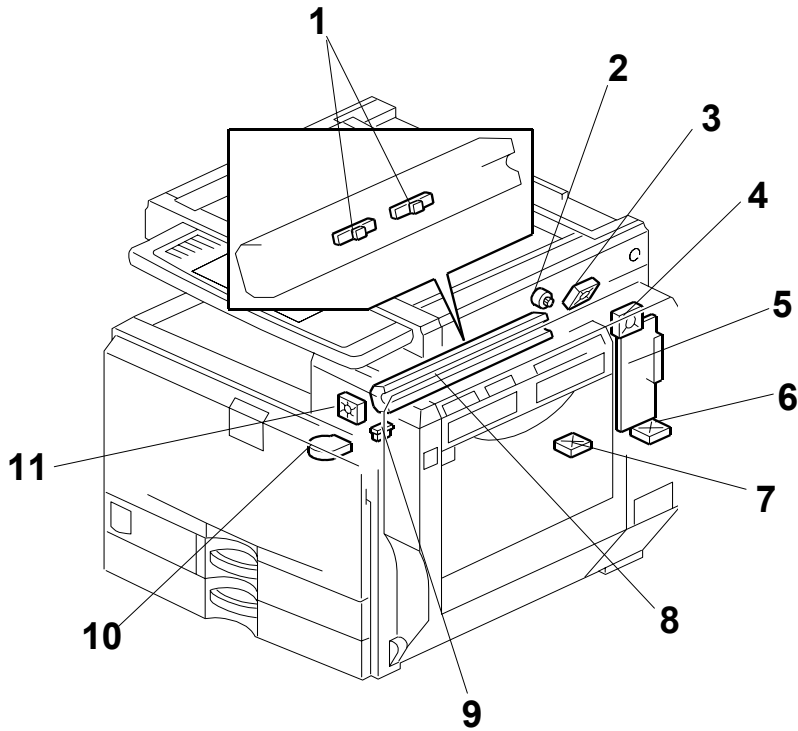


Fig-10 d027V110

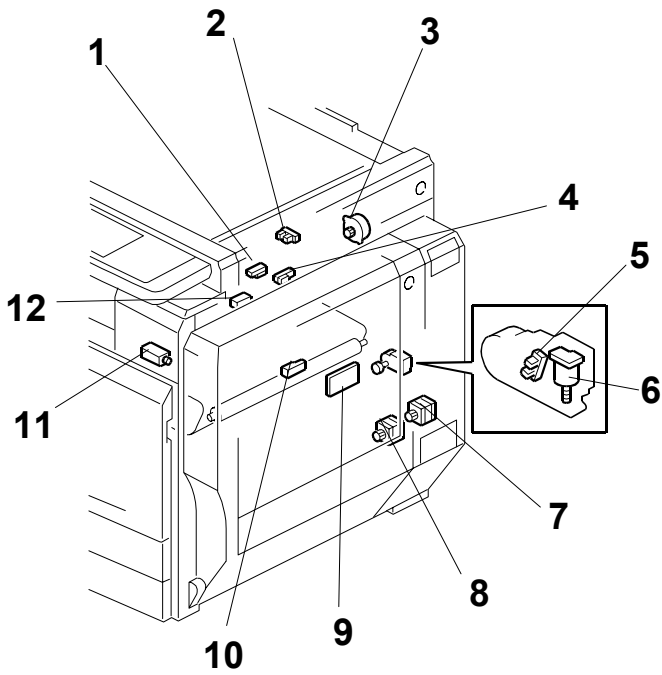


Fig-11 d027v111

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	-	Counter Interface Board	-	-
PCB2	F9-2	HVPS: TTS	F13	1/2
PCB3	F9-7	HVPS: C/B	E10	1/2
PCB4	F9-9	IOB	K8	1/2
PCB5	F5-1	RFID	D13	1/2
PCB6	F9-8	PSU	C4	1/2
PCB7	F10-5	IH Inverter Board	B5	1/2
PCB8	F11-9	HVPS - Discharge Plate	I9	1/2
PCB9	F9-3	Controller Board	D9	2/2
PCB10	F9-1	BICU	D6/D8	2/2
PCB11	F6-9	LDB: K	E8/F8	1/2
PCB12	F6-11	LDB: M	E8	1/2
PCB13	F6-12	LDB: C	E8	1/2
PCB14	F6-13	LDB: Y	E8/F8	1/2
PCB15	F6-21	Laser Synchronizing Detector Board-KC-TE	C8	1/2
PCB16	F6-17	Laser Synchronizing Detector Board-KC-LE	C8	1/2
PCB17	F6-15	Laser Synchronizing Detector Board-YM-TE	C8	1/2
PCB18	F6-10	Laser Synchronizing Detector Board-YM-LE	C8	1/2
PCB19	F1-3	SIO	E2	2/2
PCB20	F1-5	SBU	C5	2/2
PCB21	F1-1	Lamp Stabilizer	D5	2/2
PCB22	F6-22	LCDC	G6	1/2
PCB23	F6-2	Inverter TFT	H6	1/2
PCB24	F6-1	OPU-L	G5	1/2
PCB25	F6-4	OPU-R	G7	1/2
Heaters				
H1	F3-13	Tray Heater (Option)	A5	1/2
H2	F3-13	Tray Heater (Option for PTU)	A5	1/2
H3	F1-8	Anti-condensation Heater	B6	1/2

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	F4-3	ID Sensors	G13	1/2
S2	F11-4	Junction Paper Jam	B13	1/2
S3	F11-1	Paper Exit	B13	1/2
S4	F11-12	Fusing Exit	B13	1/2
S5	F11-2	Paper Overflow	B13	1/2
S6	F2-1	Duplex Entrance	J9	1/2
S7	F2-6	Duplex Exit	I9	1/2
S8	F11-10	Fusing Entrance	H9	1/2
S9	F2-2	Duplex Door	H9	1/2
S10	F2-9	By-pass Paper Length Sensor	H9	1/2
S11	F2-10	By-pass Paper Size	H9	1/2
S12	F4-6	Registration	D9	1/2
S13	F5-6	Waste Toner	D9	1/2
S14	F3-6	Tray1 Paper Height Sensor1	C10	1/2
S15	F3-7	Tray1 Paper Height Sensor2	C10	1/2
S16	F3-6	Tray2 Paper Height Sensor1	C10	1/2
S17	F3-7	Tray2 Paper Height Sensor2	B10	1/2
S18	F3-15	Tray1 Paper Feed	G10	1/2
S19	F3-4	Tray1 Vertical Transport	G10	1/2
S20	F3-1	Tray1 Paper End	G10	1/2
S21	F3-2	Tray1 Paper Lift	G10	1/2
S22	F3-15	Tray2 Paper Feed	F10	1/2
S23	F3-4	Tray2 Vertical Transport	F10	1/2
S24	F3-1	Tray2 Paper End	E10	1/2
S25	F3-2	Tray2 Paper Lift	E10	1/2
S26	F5-11	Toner End Sensor:K	C13	1/2
S27	F5-10	Toner End Sensor:Y	D13	1/2
S28	F5-8	Toner End Sensor:C	D13	1/2
S29	F5-9	Toner End Sensor:M	D13	1/2
S30	F8-1	Drum Gear Position Sensor:K	H3	1/2
S31	F8-2	Drum Gear Position Sensor:M	I3	1/2
S32	F8-3	Drum Gear Position Sensor:C	H3	1/2
S33	F8-4	Drum Gear Position Sensor:Y	I3	1/2
S34	F7-4	ITB Rotation	E14	1/2
S35	F4-7	Temperature/Humidity	B10	1/2
S36	F4-1	Thermopile	J14	1/2
S37	F10-9	Heating Roller Rotation	H13	1/2
S38	F4-4	Pressure Roller Contact	H13	1/2
S39	F7-3	ID Sensor:K	G2	1/2
S40	F7-5	ID Sensor:M	G2	1/2
S41	F7-6	ID Sensor:C	G2	1/2
S42	F7-7	ID Sensor:Y	H2	1/2
S43	F1-9	Scanner H.P	E5	2/2
S44	F1-2	Platen Cover	E5	2/2
S45	F1-6	Original Width Sensor1,2	C5	2/2
FANs				
FAN1	F10-7	Third Duct	K3	1/2
FAN2	F4-9	Airflow Fan - Front	K2	1/2
FAN3	F4-12	Airflow Fan - Rear	K2	1/2
FAN4	F10-10	IH Coil	I13	1/2
FAN5	F10-4	Fusing	J13	1/2
FAN6	F10-3	Second Duct	J13	1/2
FAN7	F10-11	Paper Exit	J13	1/2
FAN8	F10-6	IH Inverter	J3	1/2
FAN9	F9-5	HDD	E11	2/2
FAN10	F4-10	Airflow Fan - Middle Front	J9	1/2
FAN11	F4-11	Airflow Fan - Middle Rear	J9	1/2
Others				
TS1	F6-8	Thermostat - Pressure Roller	E1	1/2
TS2	F6-8	Thermostat - Pressure Roller	E1	1/2
TS3	F10-1	Thermostat - IH	B6	1/2
TH1	F6-7	Thermistor - Pressure Roller	D1	1/2
TH2	F6-5	Thermistor - Heating Roller	D1	1/2
HDD1	F9-4	HDD	C11	2/2
-	F10-8	IH Coil Unit		1/2

Symbol	Index No.	Description	P to P	Page
Motors				
M1	F2-5	Duplex Inverter	J9	1/2
M2	F11-7	Duplex/By-pass	I13	1/2
M3	F11-8	Registration	I13	1/2
M4	F3-9	Paper Feed	I13	1/2
M5	F3-5	Tray1 Lift	C10	1/2
M6	F3-11	Tray2 Lift	B10	1/2
M7	F8-14	ITB Unit Drive	B13	1/2
M8	F8-15	Fusing/Paper Exit	C13	1/2
M9	F8-8	Drum/Development Motor:C	F3	1/2
M10	F8-6	Drum/Development Motor:Y	F3	1/2
M11	F8-12	Drum/Development Motor:K	F3	1/2
M12	F8-10	Drum/Development Motor:M	F3	1/2
M13	F7-1	ITB Contact	F13	1/2
M14	F11-6	PTR Contact	G13	1/2
M15	F8-5	Toner Transport	F13	1/2
M16	F4-5	Pressure Roller Contact	H13	1/2
M17	F1-4	Scanner Drive	D5	2/2
M18	F6-14	L2 Lens Positioning Motor:M	D8	1/2
M19	F6-18	L2 Lens Positioning Motor:C	D8	1/2
M20	F6-19	L2 Lens Positioning Motor:Y	D8	1/2
M21	F6-16	Polygon Mirror	D8	1/2
Clutches				
MC1	F2-7	By-pass Feed	I9	1/2
MC2	F3-8	Tray1 Paper Feed	B10	1/2
MC3	F3-10	Tray2 Paper Feed	B10	1/2
MC4	F5-2	Toner Supply Clutch:K	E14	1/2
MC5	F5-3	Toner Supply Clutch:M	E14	1/2
MC6	F5-4	Toner Supply Clutch:C	E14	1/2
MC7	F5-5	Toner Supply Clutch:Y	E14	1/2
MC8	F5-12	Toner Bottle Clutch - K	D13	1/2
MC9	F5-15	Toner Bottle Clutch - M	C13	1/2
MC10	F5-14	Toner Bottle Clutch - C	C13	1/2
MC11	F5-13	Toner Bottle Clutch - Y	C13	1/2
MC12	F8-13	Development Clutch:K	I3	1/2
MC13	F8-11	Development Clutch:M	I3	1/2
MC14	F8-9	Development Clutch:C	I3	1/2
MC15	F8-7	Development Clutch:Y	I3	1/2
Solenoids				
SOL1	F11-11	Junction Gate 1 Solenoid	A14	1/2
SOL2	F2-8	By-pass Pick-up	I9	1/2
SOL3	F3-3	Tray1 Pick-up	G10	1/2
SOL4	F3-3	Tray2 Pick-up	F10	1/2
SOL5	F4-2	ID Sensor Shutter	G14	1/2
Switches				
SW1	F2-4	Right Door Open	B13	1/2
SW2	F2-10	By-pass Paper Detection	I9	1/2
SW3	F5-7	Waste Toner Bottle Set	D10	1/2
SW4	F3-14	Tray1 Set	D10	1/2
SW5	F3-12	Tray2 Paper Size	C10	1/2
SW6	F9-6	Main	A3	1/2
SW7	F4-8	Interlock	B3	1/2
Lamps				
L1	F6-6	Pressure Roller Fusing Lamp	E1	1/2
L2	F1-7	Exposure Lamp	D6	2/2

ARDF (D540) POINT TO POINT DIAGRAM

A

B

C

D

E

F

A

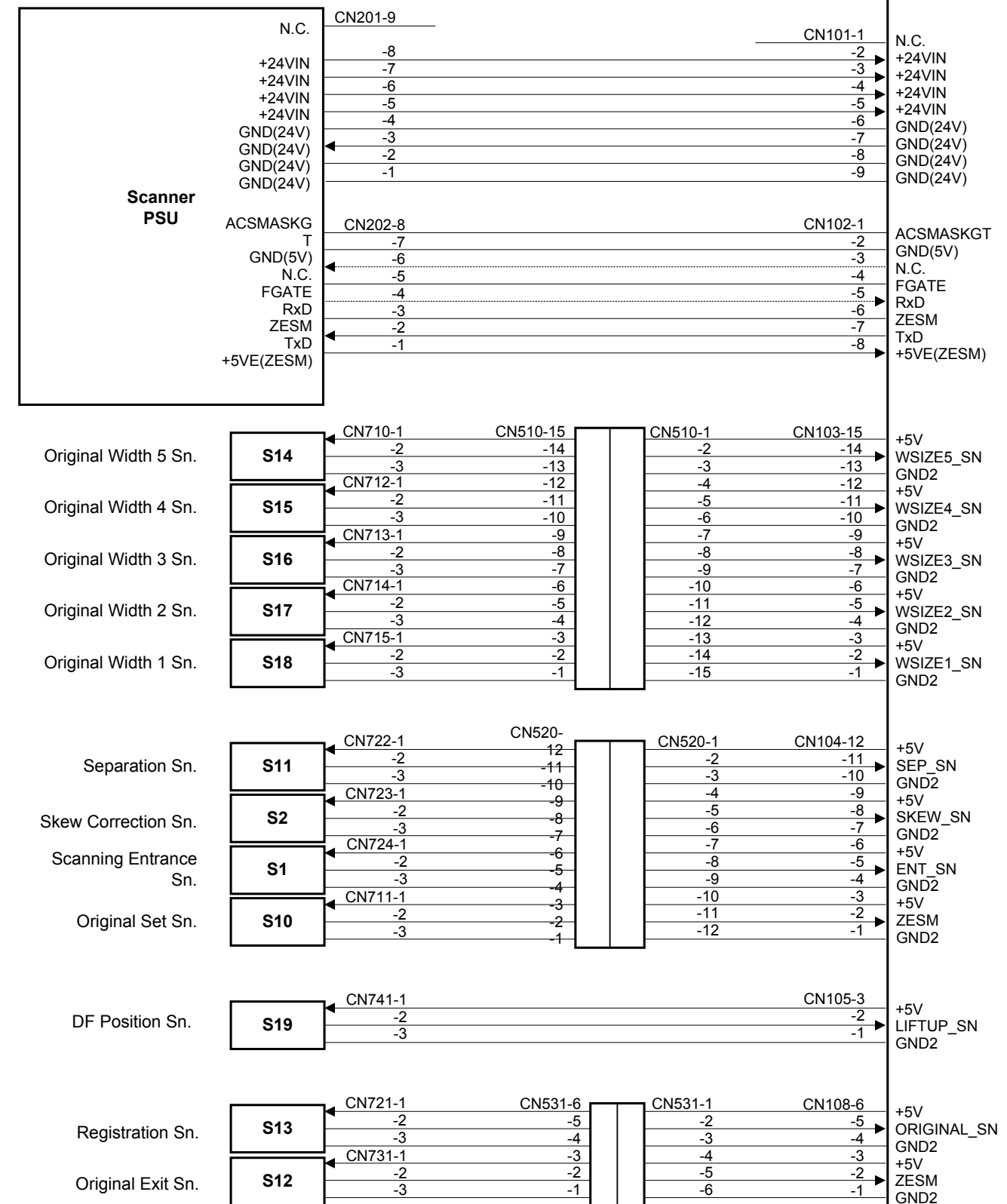
B

C

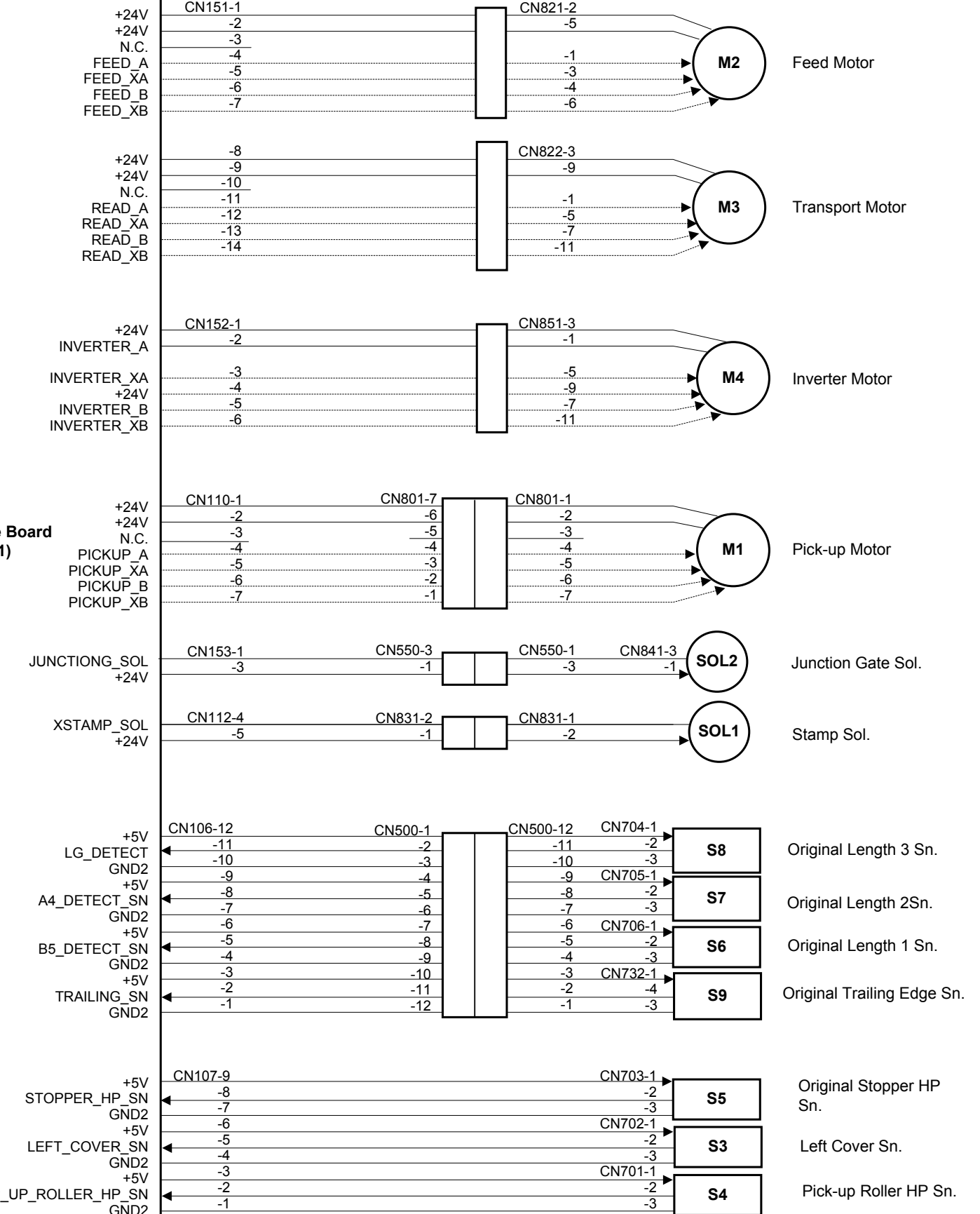
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E

F

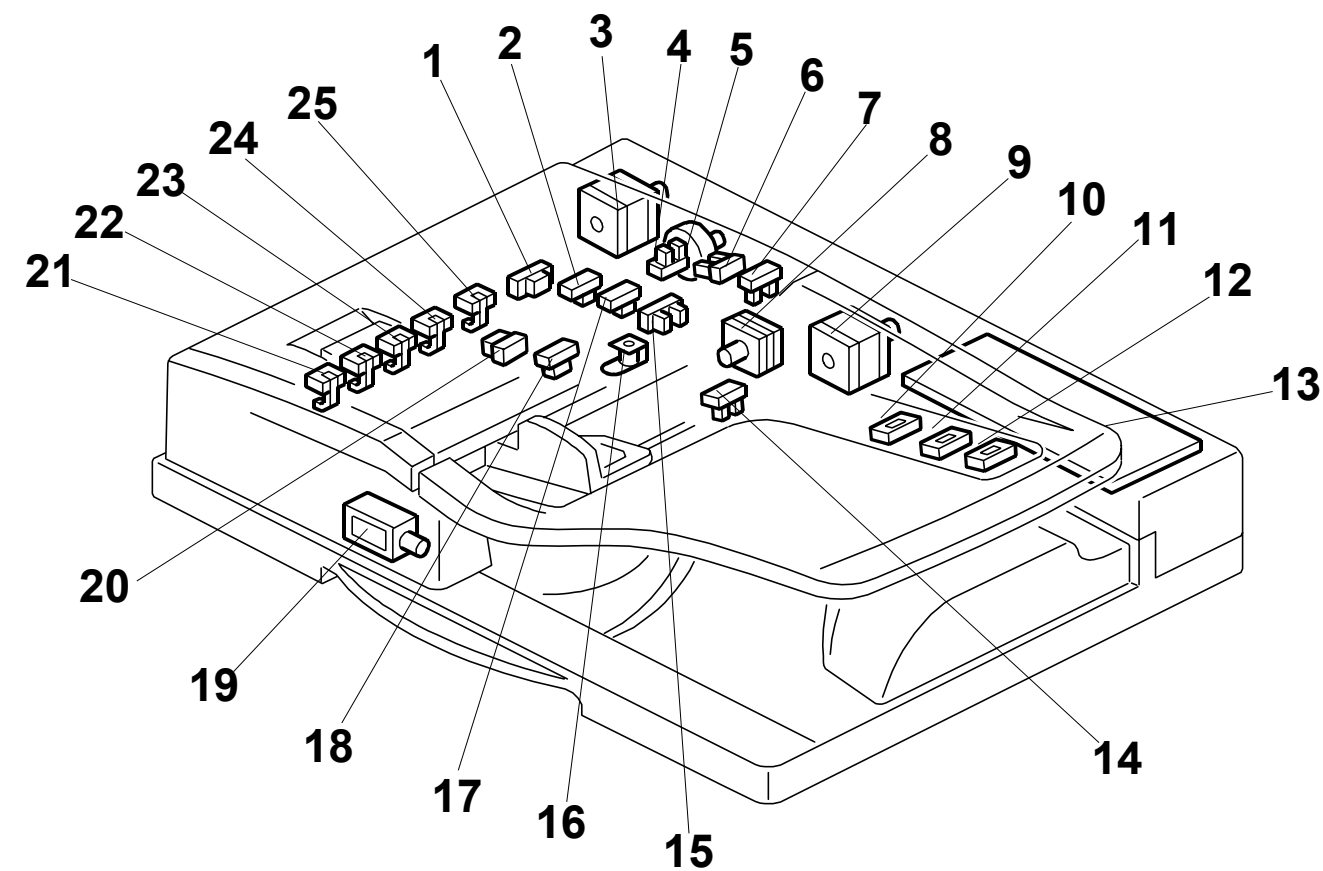


ARDF Drive Board (PCB 1)



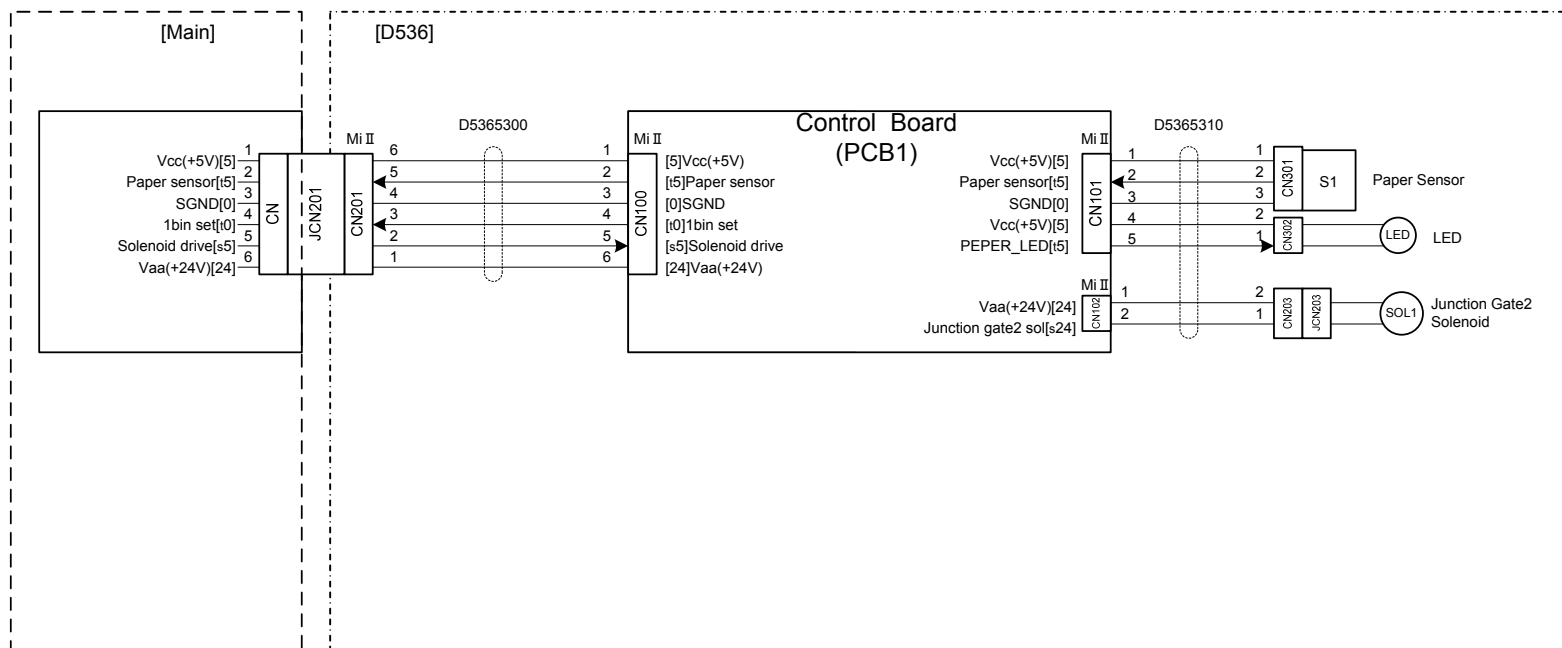
SYMBOL TABLE	
—	DC Line
- - - -	Pulse Signal
→	Signal Direction
▲	Active High
▼	Active Low
[]	Voltage

ARDF (D540) ELECTRICAL COMPONENT LAYOUT



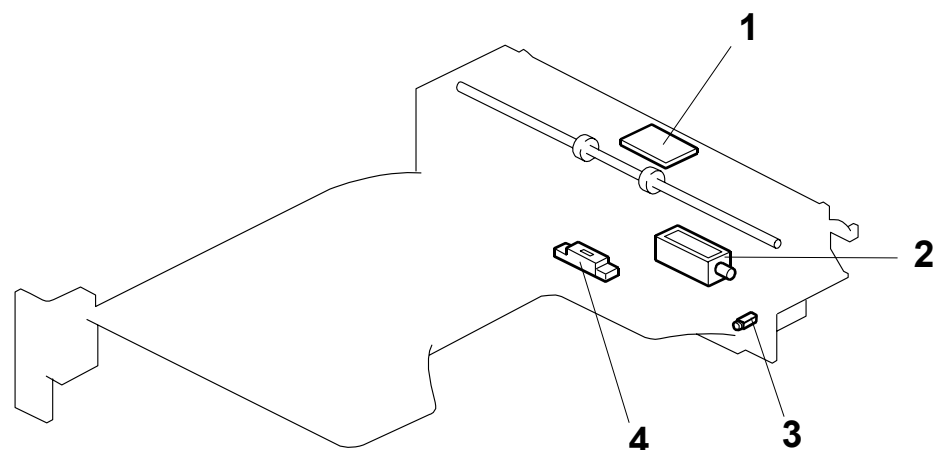
Symbol	Index No.	Description	P to P
Motors			
M1	5	Pick-up	C7
M2	9	Feed	A7
M3	3	Transport	B7
M4	8	Inverter	B7
Clutches			
S1	1	Scanning Entrance	D2
S2	2	Skew Correction	D2
S3	4	Left Cover	F7
S4	6	Pick-up Roller HP	F7
S5	7	Original Stopper HP	E7
S6	10	Original length 1	E7
S7	11	Original length 2	E7
S8	12	Original length 3	D7
S9	14	Original Trailing Edge	E7
S10	15	Original Set	E2
S11	17	Separation	D2
S12	18	Original Exit	E2
S13	20	Registration	E2
S14	21	Original Width 5	C2
S15	22	Original Width 4	C2
S16	23	Original Width 3	C2
S17	24	Original Width 2	C2
S18	25	Original Width 1	D2
S19	-	DF Position	E2
Solenoids			
SOL1	16	Stamp	D7
SOL2	19	Junction Gate	D7
PCB			
PCB1	13	ARDF Drive Board	F5

D536 POINT TO POINT DIAGRAM



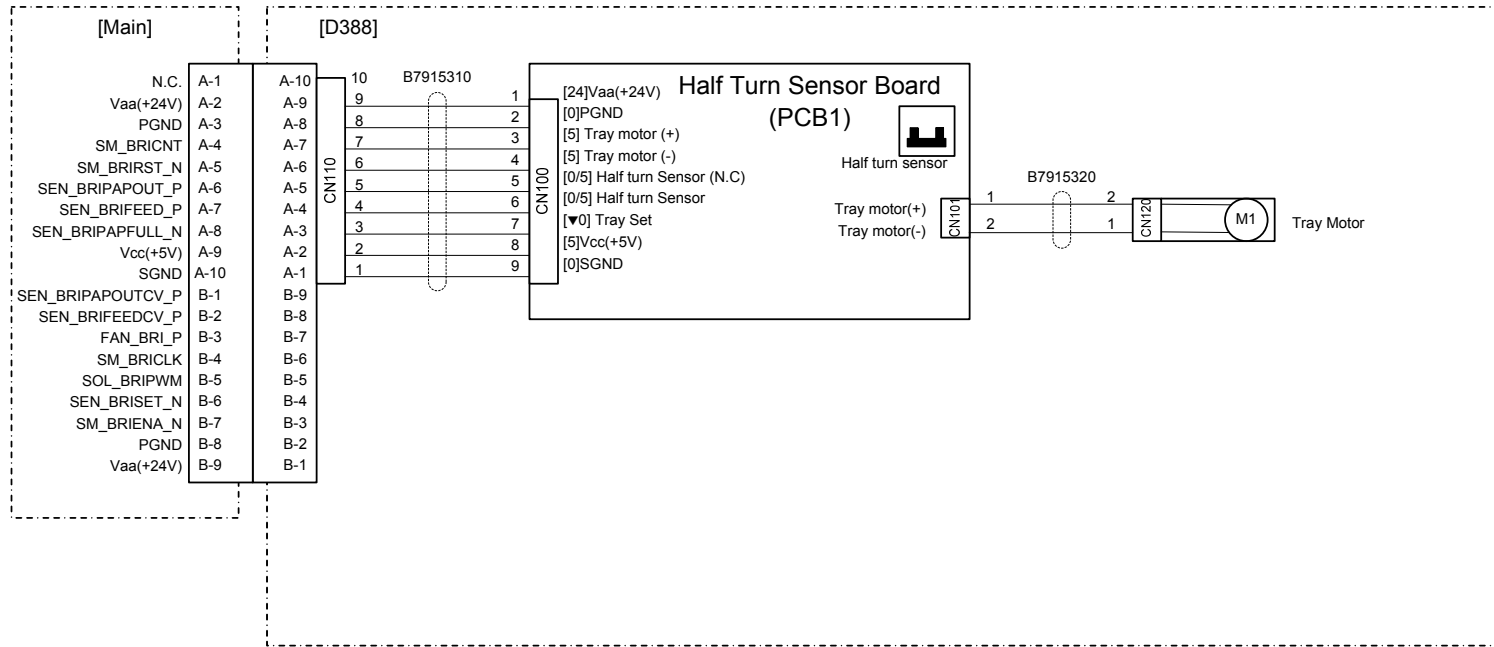
SYMBOL TABLE	
— AC LINE	▲ High active
— DC LINE	▼ Low active
..... Pulse	[] Voltage
→ Direction	

D536 ELECTRICAL COMPONENT LAYOUT



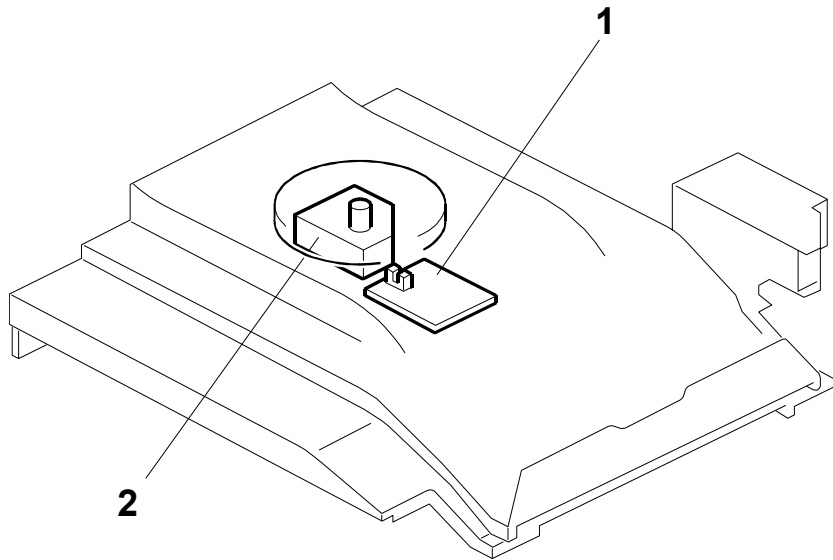
Symbol	Name	Index No.	P-to-P
Sensor			
S1	Paper	4	B5
Solenoid			
SOL1	Junction Gate 2 Solenoid	2	B6
PCB			
PCB1	Main Control Board	1	B4
LED			
LED	LED	3	B6

D388 POINT TO POINT DIAGRAM



SYMBOL TABLE	
	AC LINE
	DC LINE
	Pulse
	Direction
	High active
	Low active
	Voltage

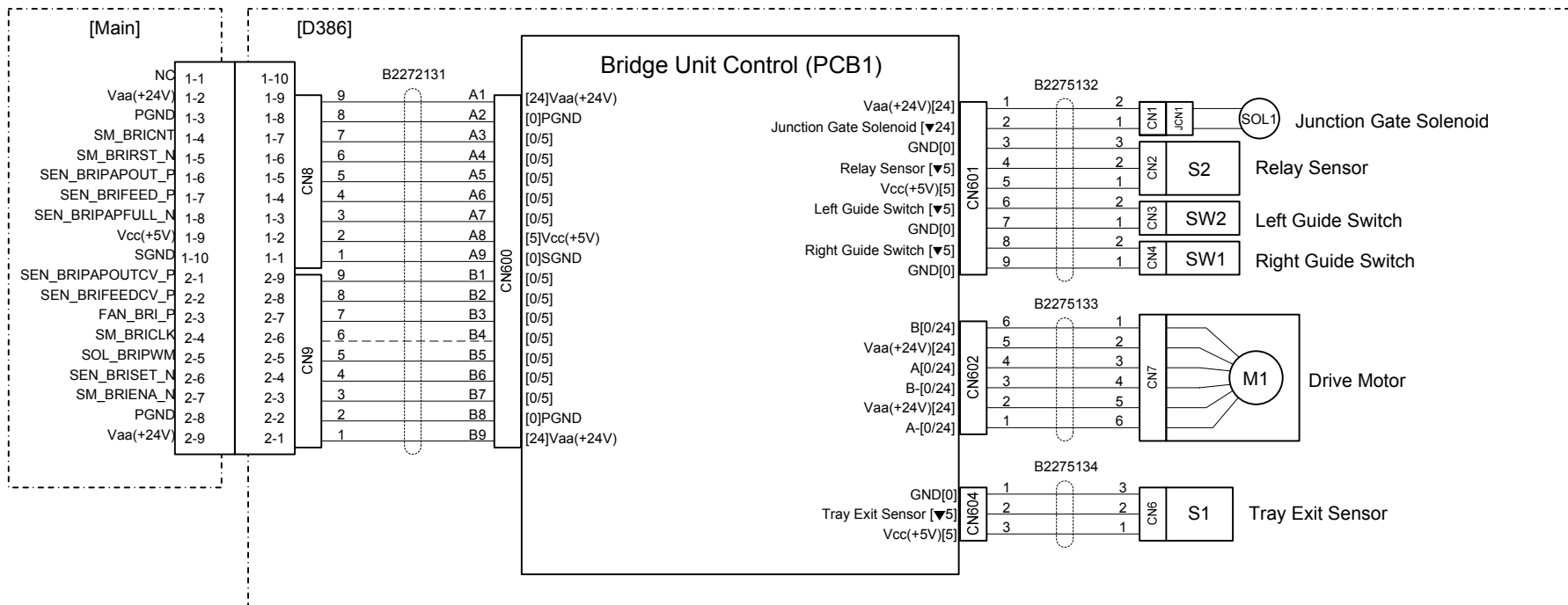
D388 ELECTRICAL COMPONENT LAYOUT



B791D102

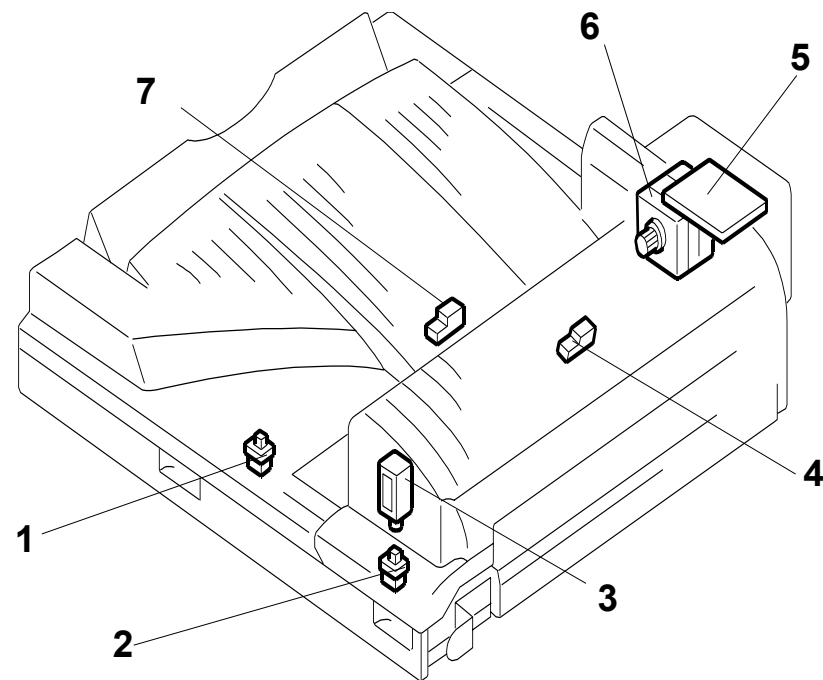
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray	1	B5
PCBs			
PCB1	Half Turn Sensor	2	B3-B4

D386 POINT TO POINT DIAGRAM



SYMBOL TABLE	
	AC LINE
	DC LINE
	Pulse
	Direction
	High active
	Low active
	Voltage

D386 ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P-to-P
Motors			
M1	Drive	6	B5
Sensors			
S1	Tray Exit	4	C5
S2	Relay	7	B5
Switches			
SW1	Right Guide	2	B5
SW2	Left Guide	1	B5
PCBs			
PCB1	Bridge Unit Control	5	B3-C4
Magnetic Clutches			
MC1	Junction Gate	3	B5

D537 POINT TO POINT DIAGRAM

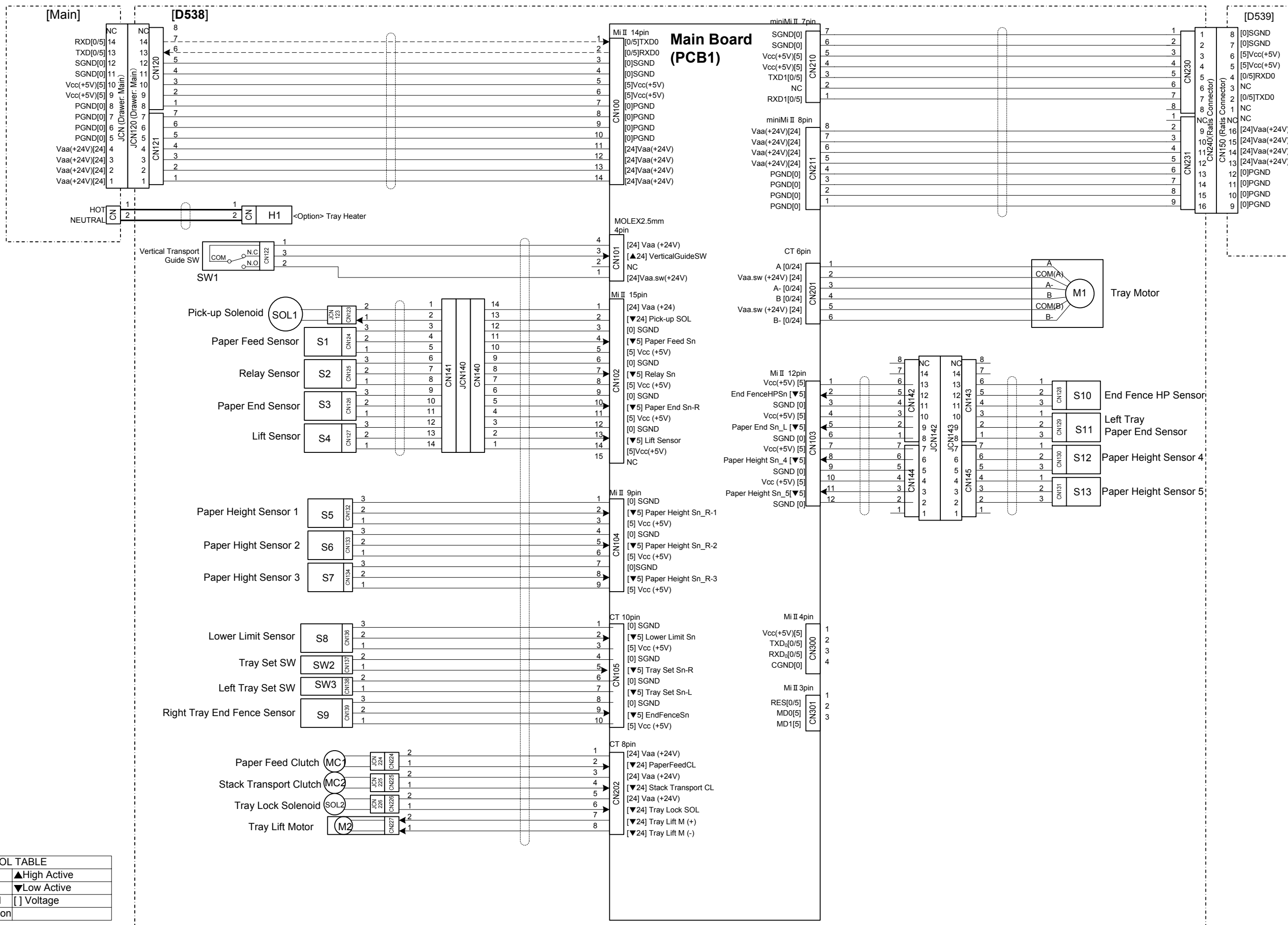
The diagram illustrates the electrical connections for the D537 printer. Key components and their connections include:

- Main Board (PCB1)**: Connected to various sensors and actuators via multiple connectors (CN100, CN101, CN102, CN103, CN104, CN105, CN106, CN107, CN108, CN109, CN110, CN111, CN112, CN113, CN114, CN115, CN116, CN117, CN118, CN119, CN120, CN121, CN122, CN123, CN124, CN125, CN126, CN127, CN128, CN129, CN130, CN131, CN132, CN133, CN134, CN135, CN136, CN137, CN138, CN139, CN140, CN141, CN142, CN143, CN144, CN145, CN146, CN147, CN148, CN149, CN150).
- MiniMi II**: A central microcontroller board connected to the Main Board and other peripherals.
- Sensors and Actuators**: Includes Upper Pick-up Solenoid (SOL1), Upper Paper End Sensor (S1), Upper Vertical Transport Sensor (S2), Upper Paper End Sensor (S3), Upper Lift Sensor (S4), Lower Pick-up Solenoid (SOL2), Lower Paper End Sensor (S5), Lower Vertical Transport Sensor (S6), Lower Paper End Sensor (S7), Lower Lift Sensor (S8), Upper Paper Feed Clutch (MC1), Lower Paper Feed Clutch (MC2), Tray Lock Solenoid (SOL3), Upper Tray Lift Motor (M2), and Lower Tray Lift Motor (M3).
- Control Boards**: Includes Vertical Transport Guide SW, Upper Paper Size SW, Lower Paper Size SW, and Upper/Lower Lift Motors.

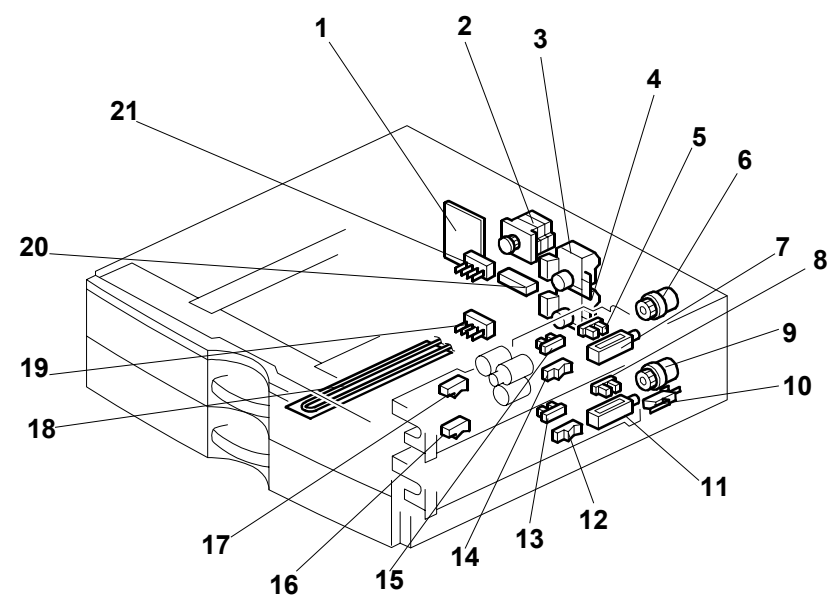
SYMBOL TABLE

Symbol	Description
(Solid Line)	AC LINE
(Dashed Line)	DC LINE
(Pulse Signal)	Pulse Signal
(Arrow)	Signal Direction
(Triangle)	High Active
(Inverted Triangle)	Low Active
[]	Voltage

D538 POINT TO POINT DIAGRAM

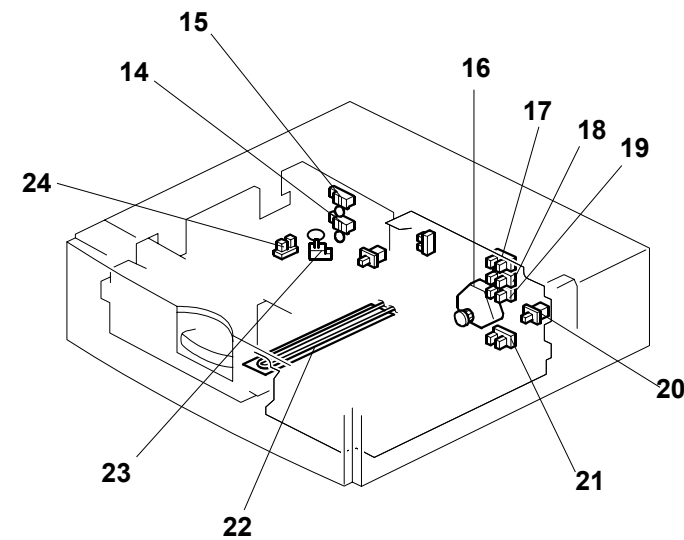
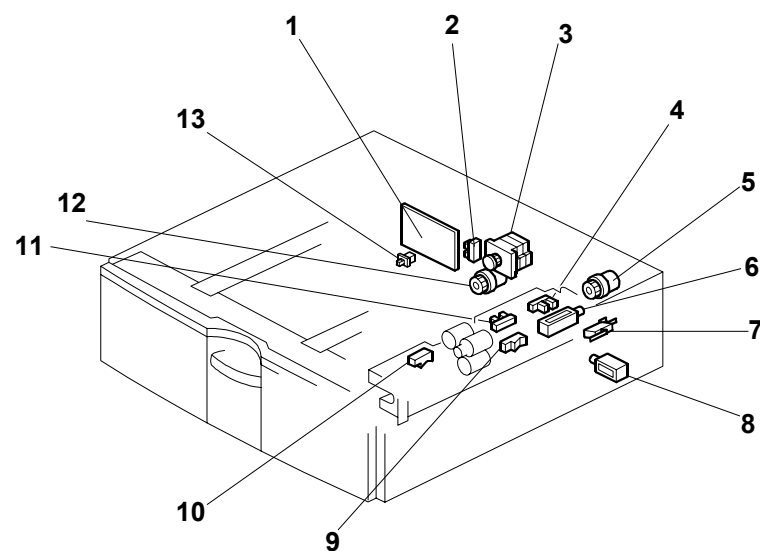


ELECTRICAL COMPONENT LAYOUT (D537)



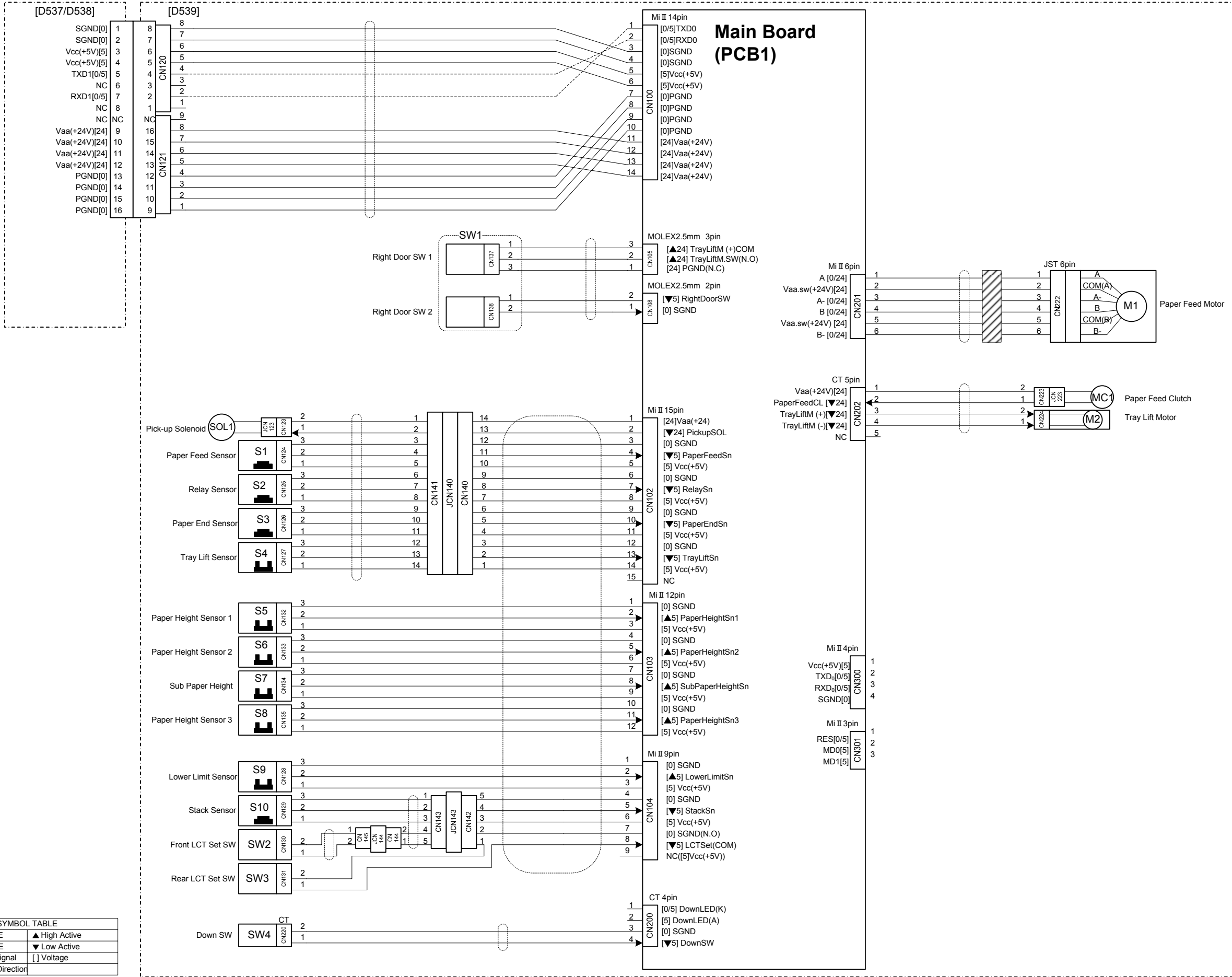
Symbol	Name	Index No.	P-to-P
Motors			
M1	Feed Motor	2	B7
M2	Upper Tray Lift Motor	3	E3
M3	Lower Tray Lift Motor	4	E3
Sensors			
S1	Upper Paper Feed	17	C2
S2	Upper Vertical Transport 1	14	C2
S3	Upper Paper End	15	C2
S4	Upper Lift	5	C2
S5	Lower Paper Feed	16	D2
S6	Lower Vertical Transport 2	12	D2
S7	Lower Paper End	13	D2
S8	Lower Lift	8	D2
Solenoids			
SOL1	Upper Pick-up	7	C2
SOL2	Lower Pick-up	11	D2
SOL3	Tray Lock	20	E3
Switches			
SW1	Upper Paper Size	21	C7
SW2	Lower Paper Size	19	C7
SW3	Vertical Transport Guide	10	B2
Magnetic Clutches			
MC1	Upper Paper Feed	6	E3
MC2	Lower Paper Feed	9	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	18	B2-3

ELECTRICAL COMPONENT LAYOUT (D538)

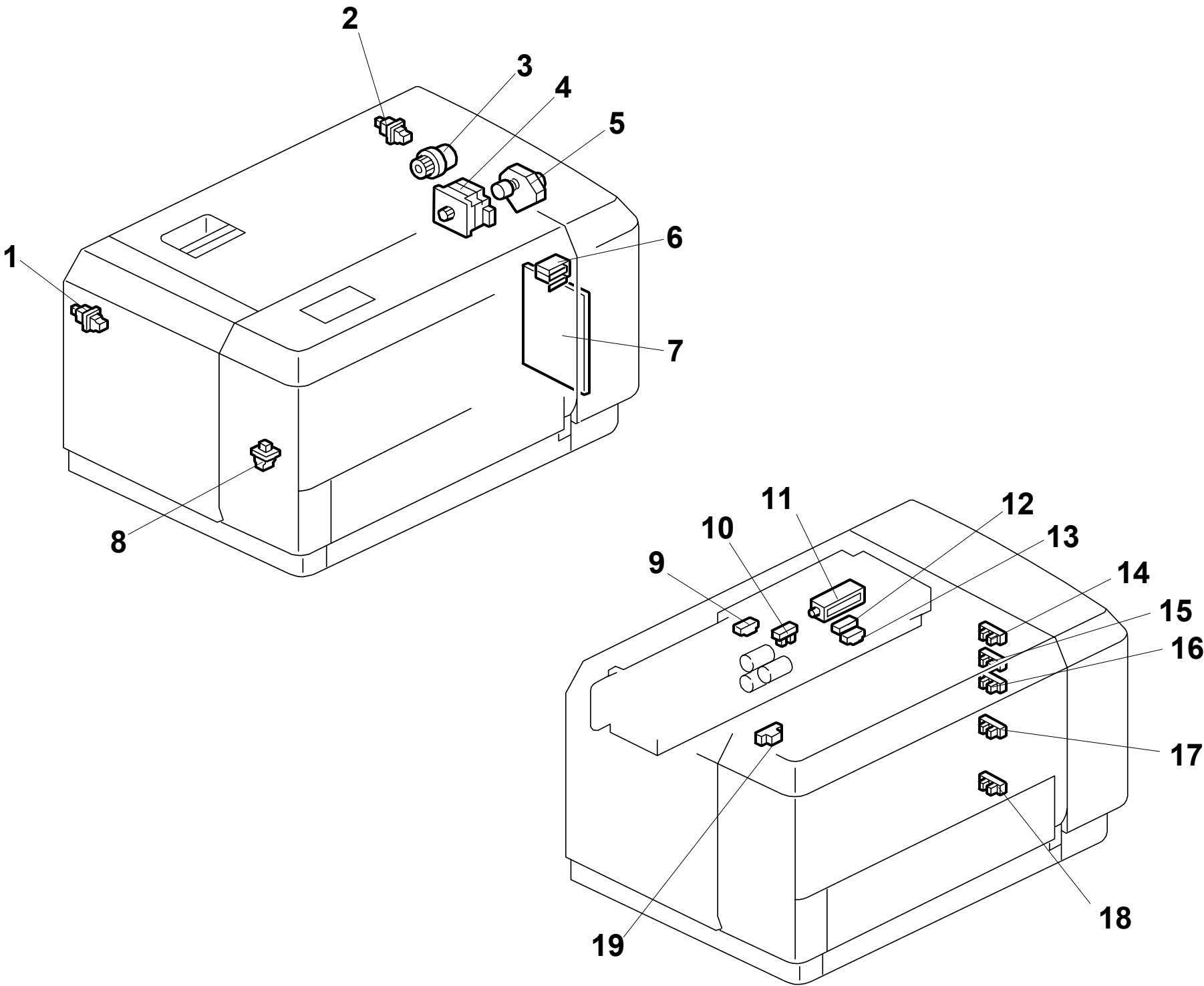


Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	3	B7
M2	Tray Lift Motor	16	E3
Sensors			
S1	Paper Feed	10	C2
S2	Relay	9	C2
S3	Paper End	11	C2
S4	Lift	4	C2
S5	Paper Height 1	17	D2
S6	Paper Height 2	18	D2
S7	Paper Height 3	19	D2
S8	Lower Limit	21	D2
S9	Right Tray End Fence	2	E2
S10	End Fence HP	24	C7
S11	Left Tray Paper	23	C7
S12	Paper Height 4	15	C7
S13	Paper Height 5	14	D7
Solenoids			
SOL1	Pick-up	6	C2
SOL2	Tray Lock	8	E3
Switches			
SW1	Vertical Guide	7	B2
SW2	Right Tray Set	20	E2
SW3	Left Tray set	13	E2
Magnetic Clutches			
MC1	Paper Feed	5	E3
MC2	Stack Transport	12	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	22	B2-3

LCT 1200 Sheet (D539) POINT TO POINT DIAGRAM



LCT 1200-Sheet (D539) ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	4	C9
M2	Tray Lift Motor	5	D9
Sensors			
S1	Paper Feed	12	D3
S2	Relay	9	D3
S3	Paper End	13	D3
S4	Tray Lift	10	E3
S5	Paper Height 1	14	E3
S6	Paper Height 2	15	E3
S7	Sub Paper Height	16	E3
S8	Paper Height 3	17	F3
S9	Lower Limit	18	F3
S10	Stack	19	F3
Solenoids			
SOL1	Pick-up	11	D3
Switches			
SW1	Right Door	L-6	C5
SW2	Front LCT Set	L-1	F3
SW3	Rear LCT Set	L-2	G3
SW4	Down	L-8	G3
Magnetic Clutches			
MC1	Paper Feed	11	D9
PCBs			
PCB1	Main	7	A6

D542 POINT TO POINT DIAGRAM

The diagram illustrates the electrical connections for the Side Tray Control Board (PCB 1). It is divided into three main sections: [Main], [D452], and the component assembly.

[Main] Connections:

Main Pin	Main Label	D452 Pin	D452 Label
NC 1	A1	NC	A10
+24V 2	A2	9	A9
GND 3	A3	8	A8
BRMT_CTL 4	A4	7	A7
BRMT_RST 5	A5	6	A6
BREXTSNS 6	A6	5	A5
BRFEEDSNS 7	A7	4	A4
BROSET_1 8	A8	3	A3
+5V 9	A9	2	A2
GND 10	A10	1	A1
BREXCVOPN 1	B1	10	B9
BRFDCVOPN 2	B2	11	B8
LEFTTEXTSNS 3	B3	12	B7
BRMT_CLK 4	B4	13	B6
BRSOL_PWM 5	B5	14	B5
BROPSET_2 6	B6	15	B4
BRMT_ENA 7	B7	16	B3
GND 8	B8	17	B2
+24V 9	B9	18	B1

[D452] Connections:

D452 Pin	D452 Label	miniCT Pin	miniCT Label
10	D5425300	1	+24V
9		2	PGND
8		3	Motor RST
7		4	Tray Exit Sensor
6		5	Relay Sensor
5		6	SET DETECT1
4		7	+5V
3		8	SGND
2		9	Switch Guide Switch
1		10	Left Guide Switch
11		11	Motor LOCK
12		12	Solenoid
13		13	SET DETECT2
14		14	Motor ENABLE
15		15	PGND
16		16	+24V

Component Assembly Connections:

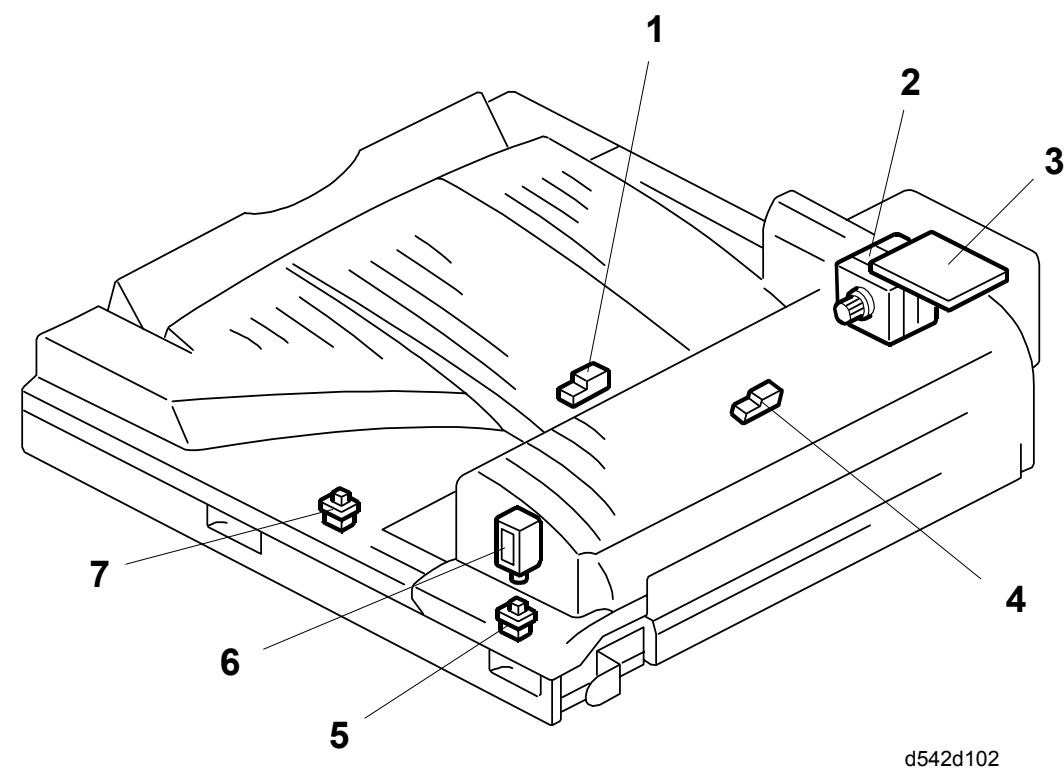
Component	Pin	Label
Junction Gate Solenoid	1	Vaa(+24V)[24]
	2	Junction Gate Solenoid [t24]
Side Tray Relay Sensor (S1)	1	SGND[0]
	2	Relay Sensor [t5]
	3	Vcc(+5V)[5]
Left Guide Switch (SW1)	1	Left Guide Switch [t5]
	2	SGND[0]
Right Guide Switch (SW2)	1	Right Guide Switch [t5]
	2	SGND[0]
Side Tray Tray Exit Sensor (S2)	1	Tray Exit Sensor [t5]
	2	Vcc(+5V)[5]
Side Tray Drive Motor (M1)	1	B[0/24]
	2	Vaa(+24V)[24]
	3	A[0/24]
	4	B-[0/24]
	5	Vaa(+24V)[24]
	6	A-[0/24]

Additional Components:

- D5425310:** Junction Gate Solenoid
- D5425311:** Side Tray Relay Sensor
- D5425320:** Side Tray Drive Motor
- D5425330:** Junction Gate Solenoid

Side Tray Control Board (PCB 1)

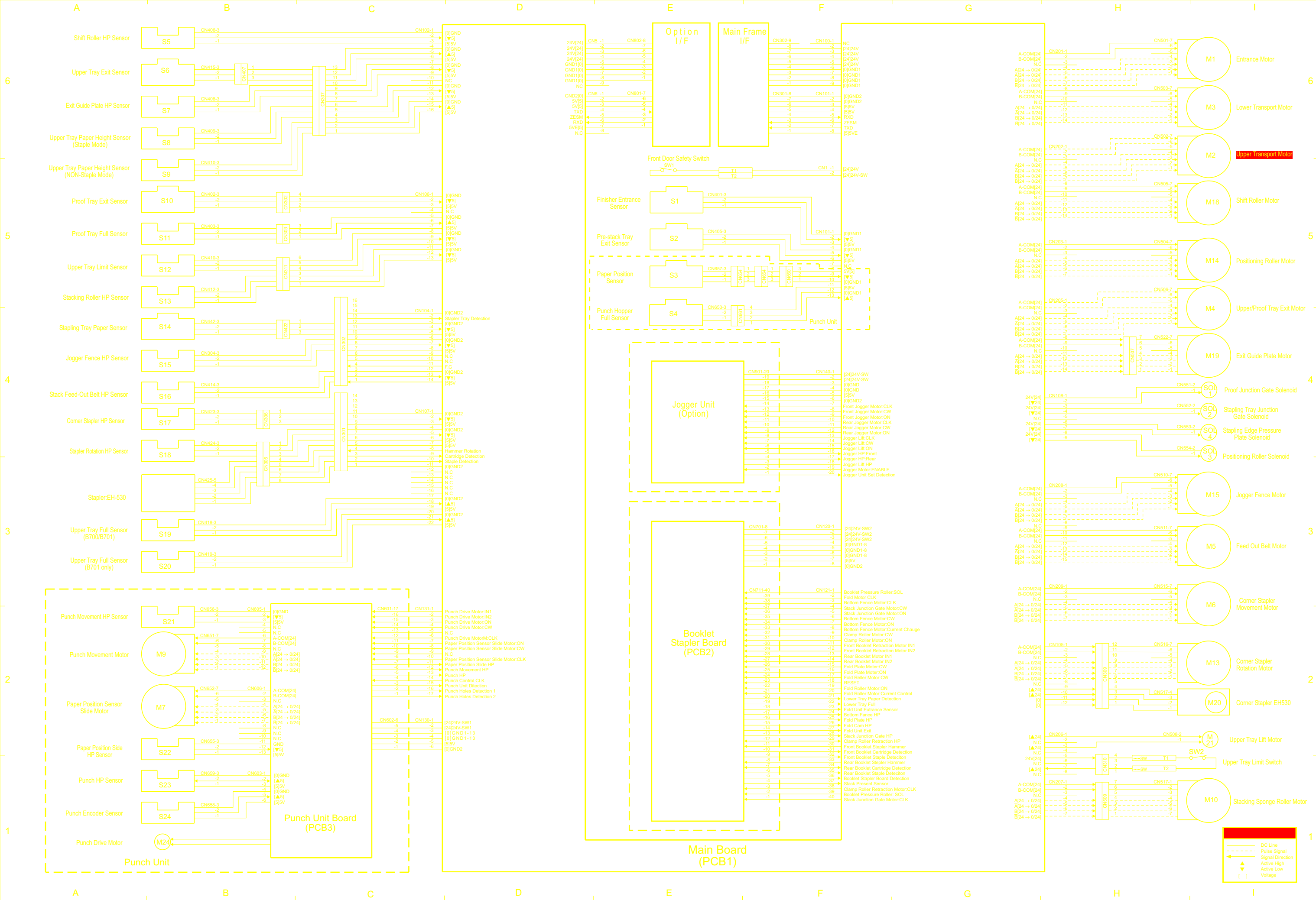
D542 ELECTRICAL COMPONENT LAYOUT



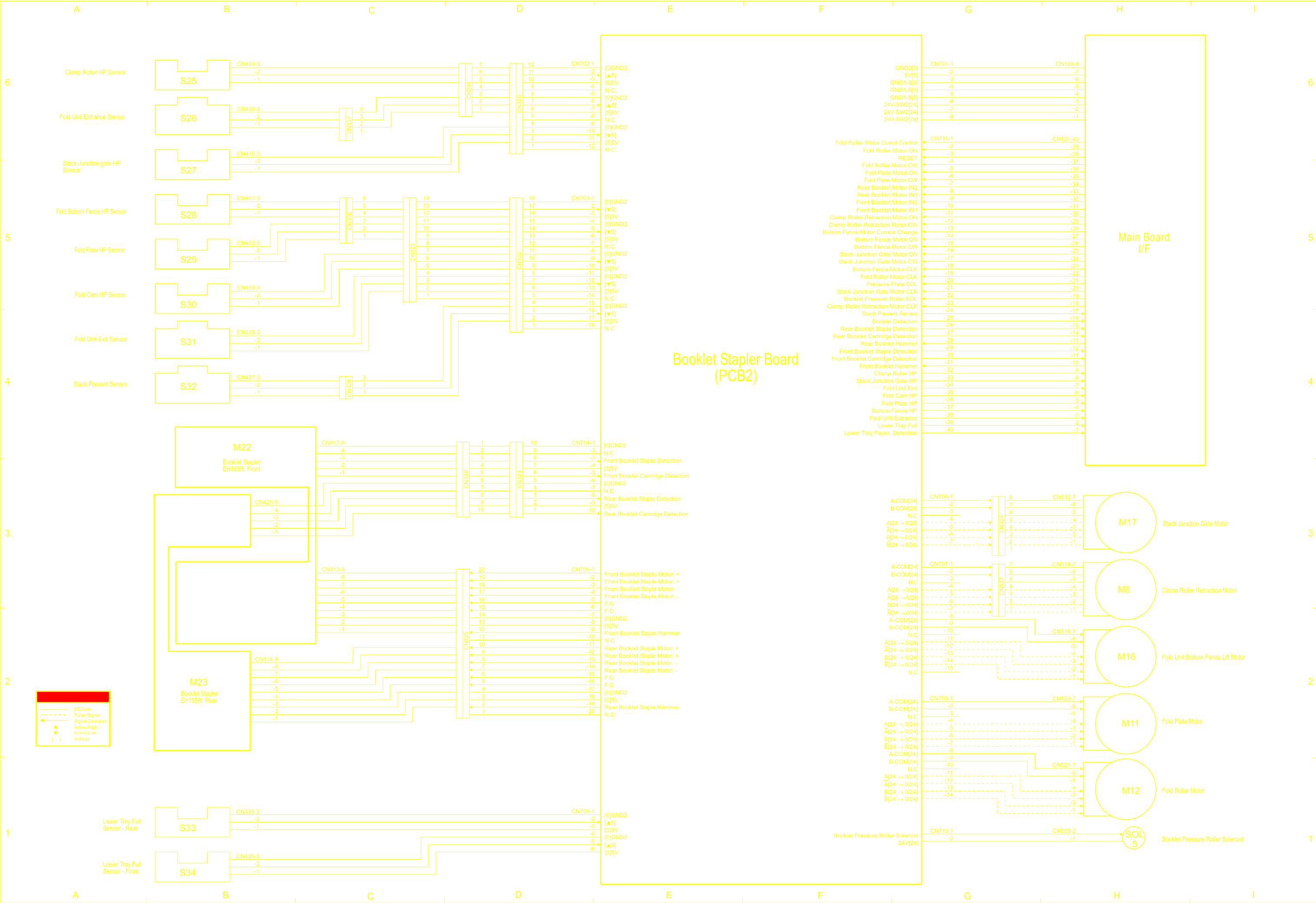
d542d102

Symbol	Name	Index No.	P-to-P
Motors			
M1	Side Tray Drive Drive	6	D8
Sensors			
S1	Side Tray Exit	4	D8
S2	Side Tray Relay	7	C8
Switches			
SW1	Right Guide	2	C8
SW2	Left Guide	1	C8
PCBs			
PCB1	Side Tray Control	5	E5
Solenoid			
SOL1	Junction Gate	3	B8

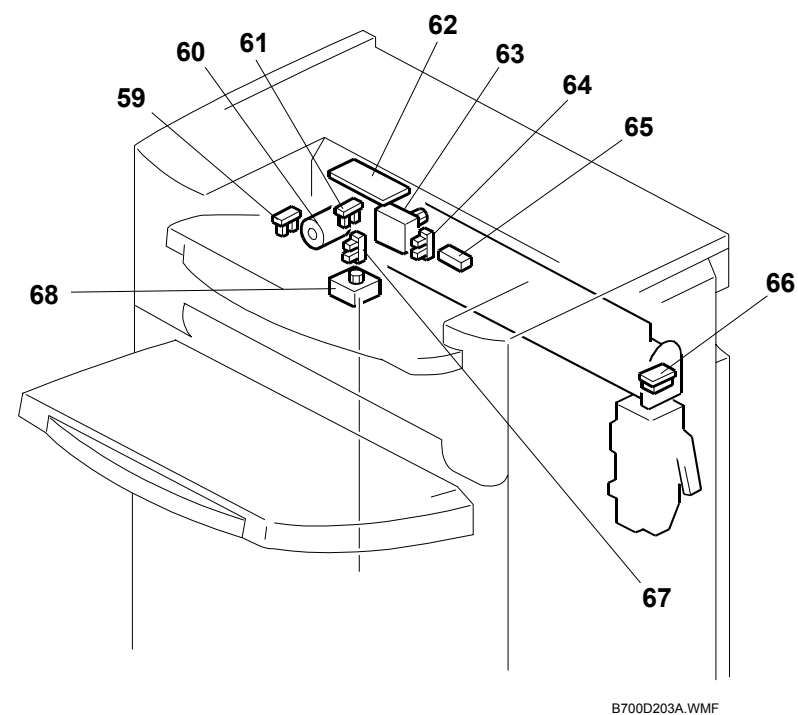
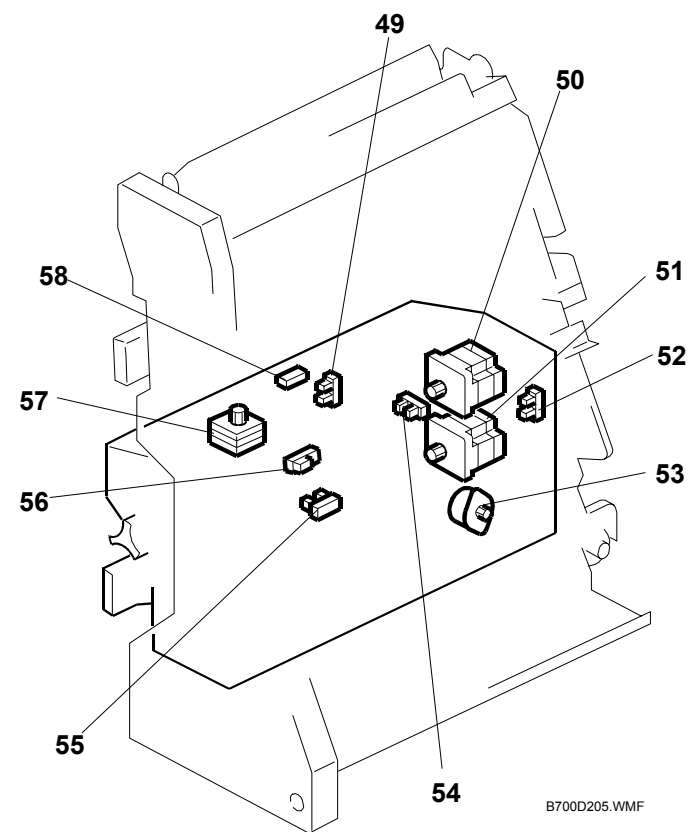
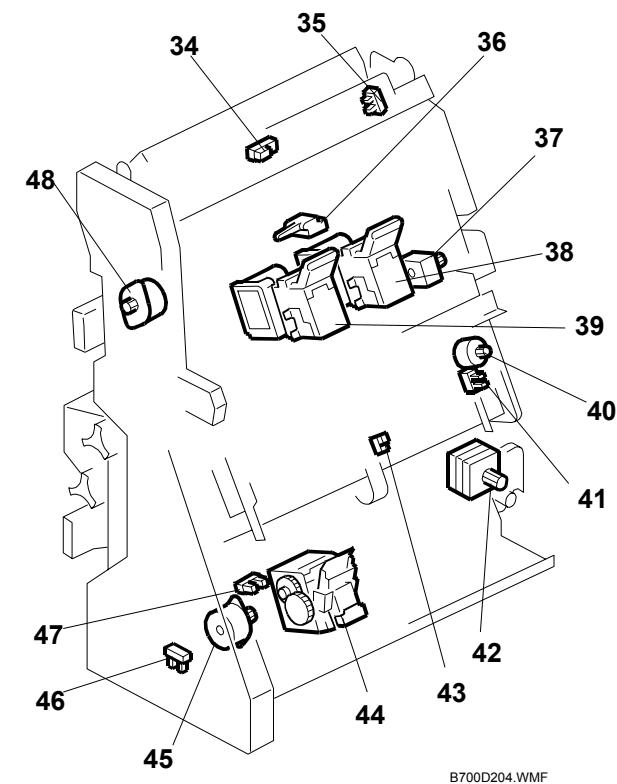
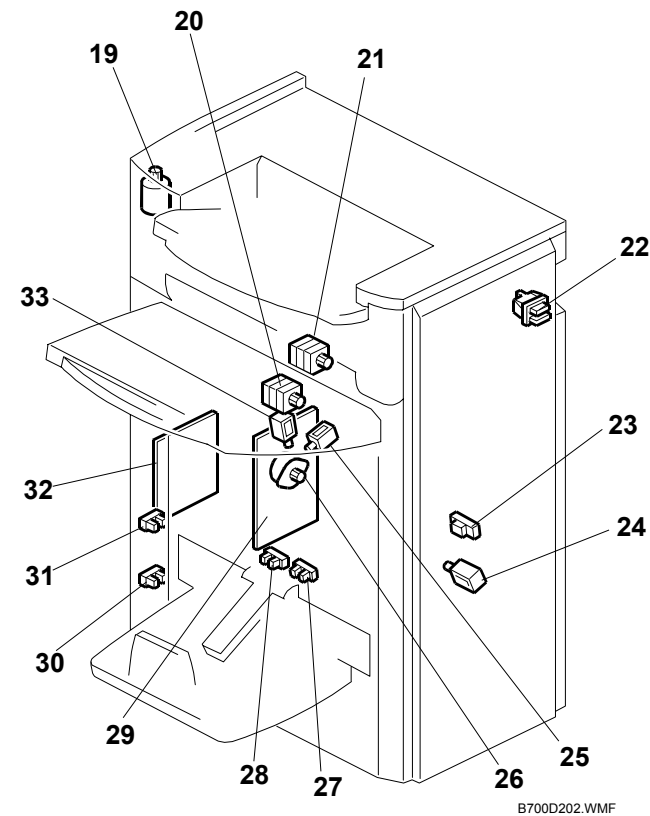
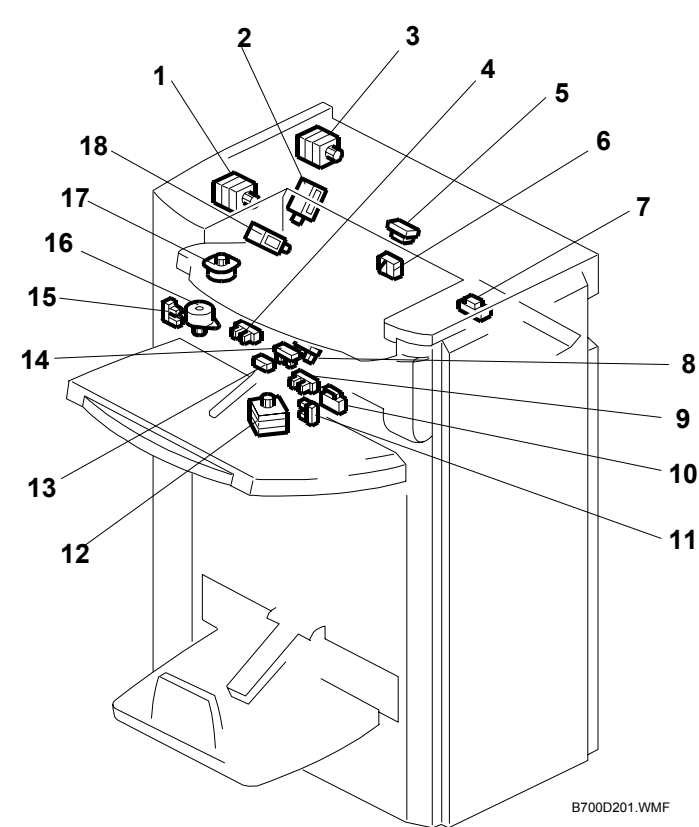
2000/3000 SHEET FINISHER(B804/B805)POINT TO POINT DIAGRAM(1/2)



2000/3000 SHEET FINISHER(B804/B805)POINT TO POINT DIAGRAM(2/2)



2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (1/2)

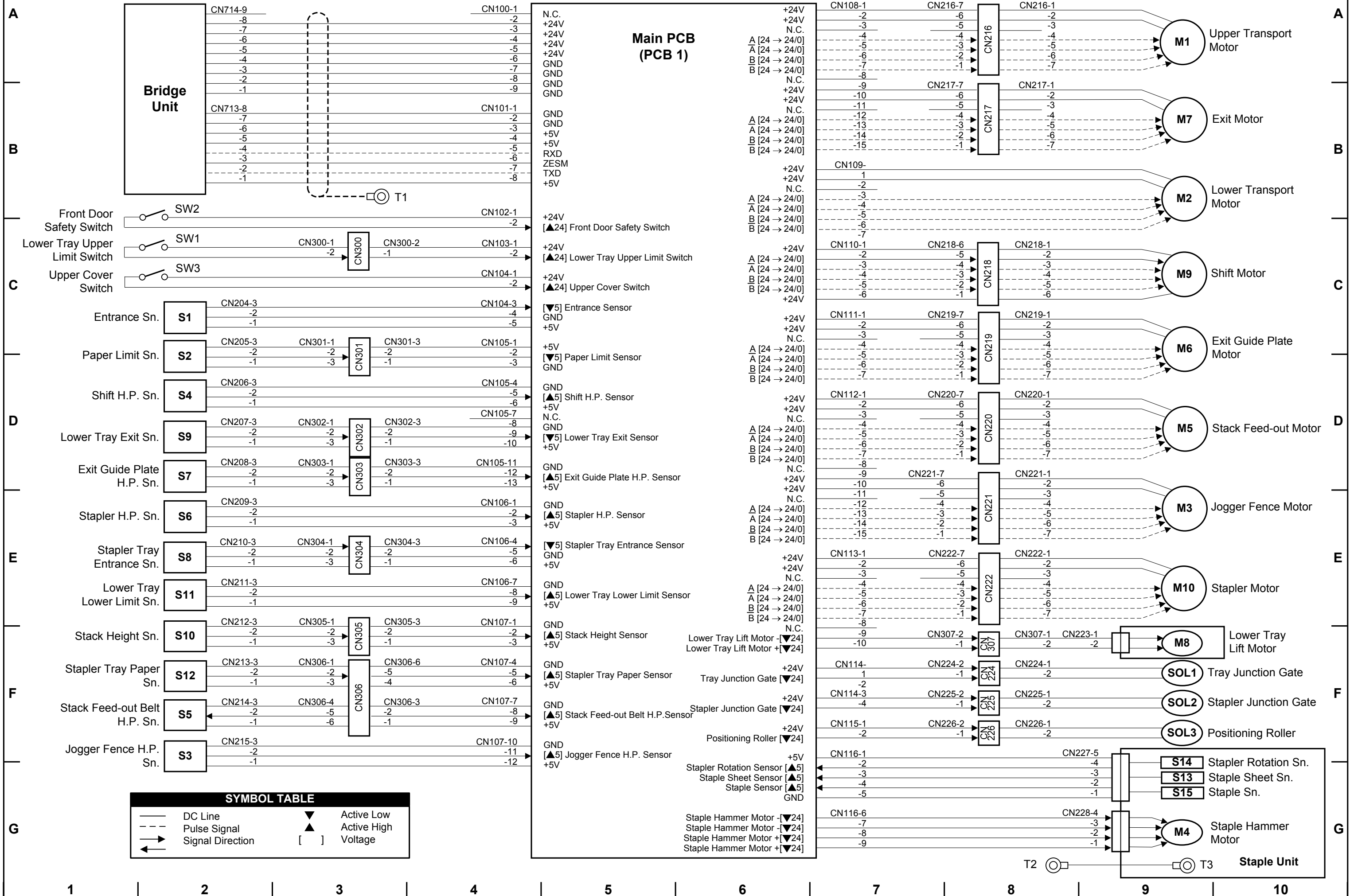


2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (2/2)

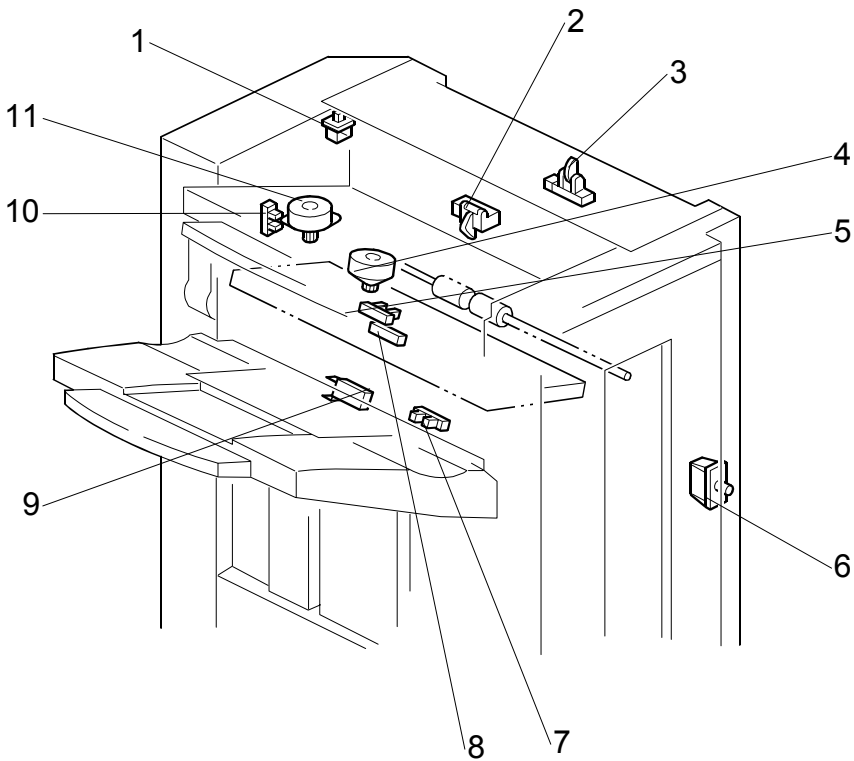
Symble	Name	Index No.	P to P	Page
Boards (PCB)				
PCB1	Main Board	29	E1	1/2
PCB2	Booklet Stapler Board	32	E4	2/2
PCB3	Punch Unit Board	62	C1	1/2
Motors				
M1	Entrance Motor	21	I6	1/2
M2	Upper Transport Motor	3	I5	1/2
M3	Lower Transport Motor	20	I6	1/2
M4	Upper/Proof Tray Exit Motor	1	I4	1/2
M5	Feed Out Belt Motor	37	I3	1/2
M6	Corner Stapler Movement Motor	42	I2	1/2
M7	Paper Position Sensor Slide	63	B2	1/2
M8	Clamp Roller Retraction Motor	57	H3	2/2
M9	Punch Movement Motor	68	B2	1/2
M10	Stacking Sponge Roller Motor	12	I1	1/2
M11	Fold Plate Motor	51	H2	2/2
M12	Fold Roller Motor	50	H1	2/2
M13	Corner Stapler Rotation Motor	45	I2	1/2
M14	Positioning Roller Motor	26	I5	1/2
M15	Jogger Fence Motor	40	I3	1/2
M16	Fold Unit Bottom Fence Lift	53	H2	2/2
M17	Stack Junction Gate Motor	48	H3	2/2
M18	Shift Roller Motor	16	I5	1/2
M19	Exit Guide Plate Motor	17	I4	1/2
M20	Corner Stapler EH530	44	I2	1/2
M21	Upper Tray Lift Motor	19	I2	1/2
M22	Booklet Stapler EH185R: Front	39	B3	1/2
M23	Booklet Stapler EH185R: Rear	38	B2	1/2
M24	Punch Drive Motor	60	B1	1/2

Symble	Name	Index No.	P to P	Page
Sensors				
S1	Finisher Entrance Sensor	7	E5	1/2
S2	Pre-stack Tray Exit Sensor	23	E5	1/2
S3	Paper Position Sensor	65	E5	1/2
S4	Punch Hopper Full Sensor	66	E4	1/2
S5	Shift Roller HP Sensor	15	B6	1/2
S6	Upper Tray Exit Sensor	13	B6	1/2
S7	Exit Guide Plate HP Sensor	4	B6	1/2
S8	Upper Tray Paper Height Sensor (Staple Mode)	14	B6	1/2
S9	Upper Tray Paper Height Sensor (Non-Staple Mode)	8	B5	1/2
S10	Proof Tray Exit Sensor	5	B5	1/2
S11	Proof Tray Full Sensor	6	B5	1/2
S12	Upper Tray Limit Sensor	9	B5	1/2
S13	Stacking Roller HP Sensor	11	B5	1/2
S14	Stapling Tray Paper Sensor	43	B4	1/2
S15	Jogger Fence HP Sensor	41	B4	1/2
S16	Stack Feed-Out Belt HP Sensor	36	B4	1/2
S17	Corner Stapler HP Sensor	46	B4	1/2
S18	Stapler Rotation HP Sensor	47	B4	1/2
S19	Upper Tray Full Sensor	31	B3	1/2
S20	Upper Tray Full Sensor (B805	30	B3	1/2
S21	Punch Movement HP Sensor	67	B2	1/2
S22	Paper Position Side HP Sensor	64	B2	1/2
S23	Punch HP Sensor	61	B1	1/2
S24	Punch Encoder Sensor	59	B1	1/2
S25	Clamp Roller HP Sensor	49	B6	2/2
S26	Fold Unit Entrance Sensor	56	B6	2/2
S27	Stack Junction Gate HP Sensor	35	B5	2/2
S28	Fold Bottom Fence HP Sensor	55	B5	2/2
S29	Fold Plate HP Sensor	52	B5	2/2
S30	Fold Cam HP Sensor	54	B5	2/2
S31	Fold Unit Exit Sensor	58	B4	2/2
S32	Stack Present Sensor	34	B4	2/2
S33	Lower Tray Full Sensor - Rear	28	B1	2/2
S34	Lower Tray Full Sensor - Front	27	B1	2/2
Soleno				
SOL1	Proof Junction Gate Solenoid	18	I4	1/2
SOL2	Stapling Tray Junction Gate	2	I4	1/2
SOL3	Positioning Roller Solenoid	25	I4	1/2
SOL4	Stapling Edge Pressure Plate Solenoid	24	I4	1/2
SOL5	Booklet Pressure Roller	33	H5	2/2
Switch				
SW1	Front Door Safety Switch	22	E5	1/2
SW2	Upper Tray Limit SW	10	I1	1/2

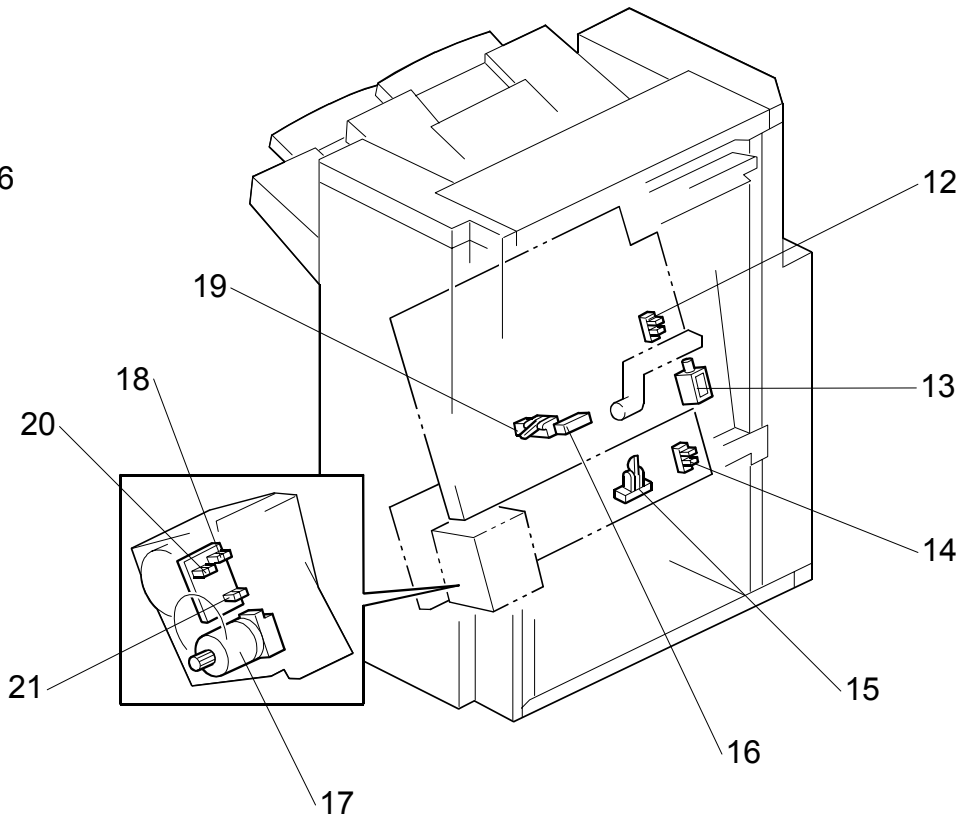
1000-SHEET FINISHER (B408) POINT TO POINT DIAGRAM



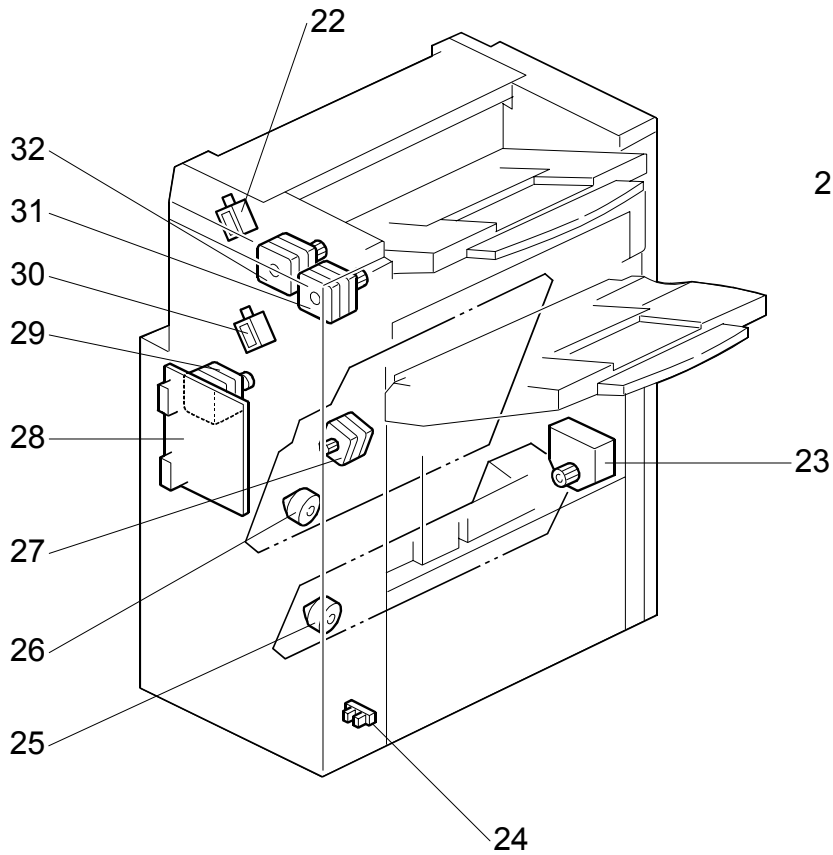
1000-SHEET FINISHER (B408) ELECTRICAL COMPONENT LAYOUT



B408D102.WMF



B408D103.WMF



B408D104.WMF

Symbol	Name	Index No.	P to P
Motors			
M1	Upper Transport	32	A9
M2	Lower Transport	29	B9
M3	Jogger Fence	26	E9
M4	Staple Hammer	17	G4
M5	Stack Feed-out	27	D9
M6	Exit Guide Plate	4	C9
M7	Exit	31	B9
M8	Lower Tray Lift	23	F9
M9	Shift	11	C9
M10	Stapler	25	E9
Sensors			
S1	Entrance	3	C2
S2	Paper Limit	2	D2
S3	Jogger Fence HP	12	F2
S4	Shift HP	10	D2
S5	Stack Feed-out Belt HP	19	F2
S6	Stapler HP	14	E2
S7	Exit Guide Plate HP	5	D2
S8	Stapler Tray Entrance	15	E2
S9	Lower Tray Exit	8	D2
S10	Stack Height	7	F2
S11	Lower Tray Lower Limit	24	E2
S12	Stapler Tray Paper	16	F2
S13	Staple Sheet	18	G9
S14	Stapler Rotation HP	20	G9
S15	Staple	21	G9
Solenoids			
SOL1	Tray Junction Gate	22	F9
SOL2	Stapler Junction Gate	30	F9
SOL3	Positioning Roller	13	F9
Switches			
SW1	Lower Tray Upper Limit	9	C2
SW2	Front Door Safety	6	C2
SW3	Upper Cover	1	C2
PCBs			
PCB1	Main	28	A5