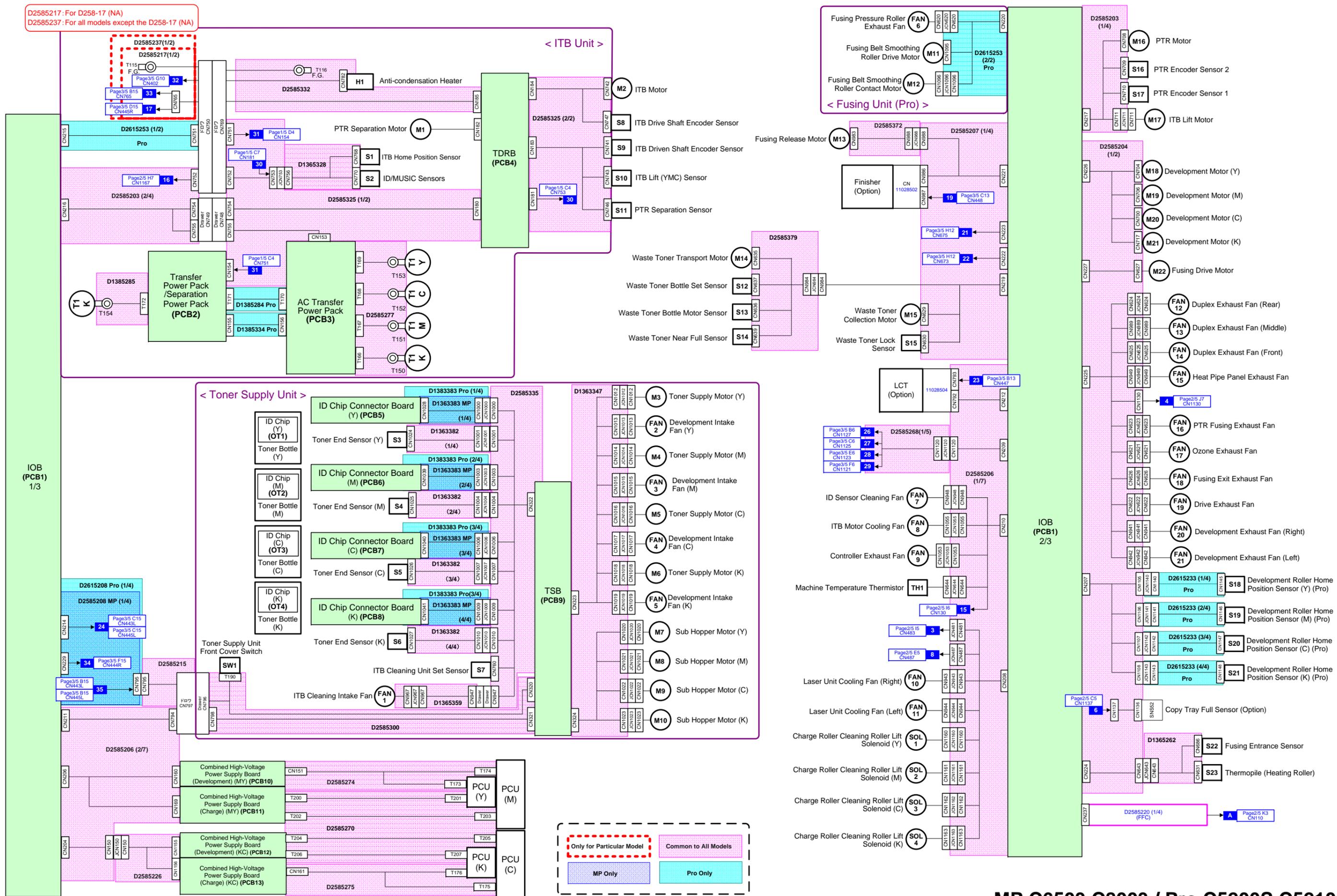
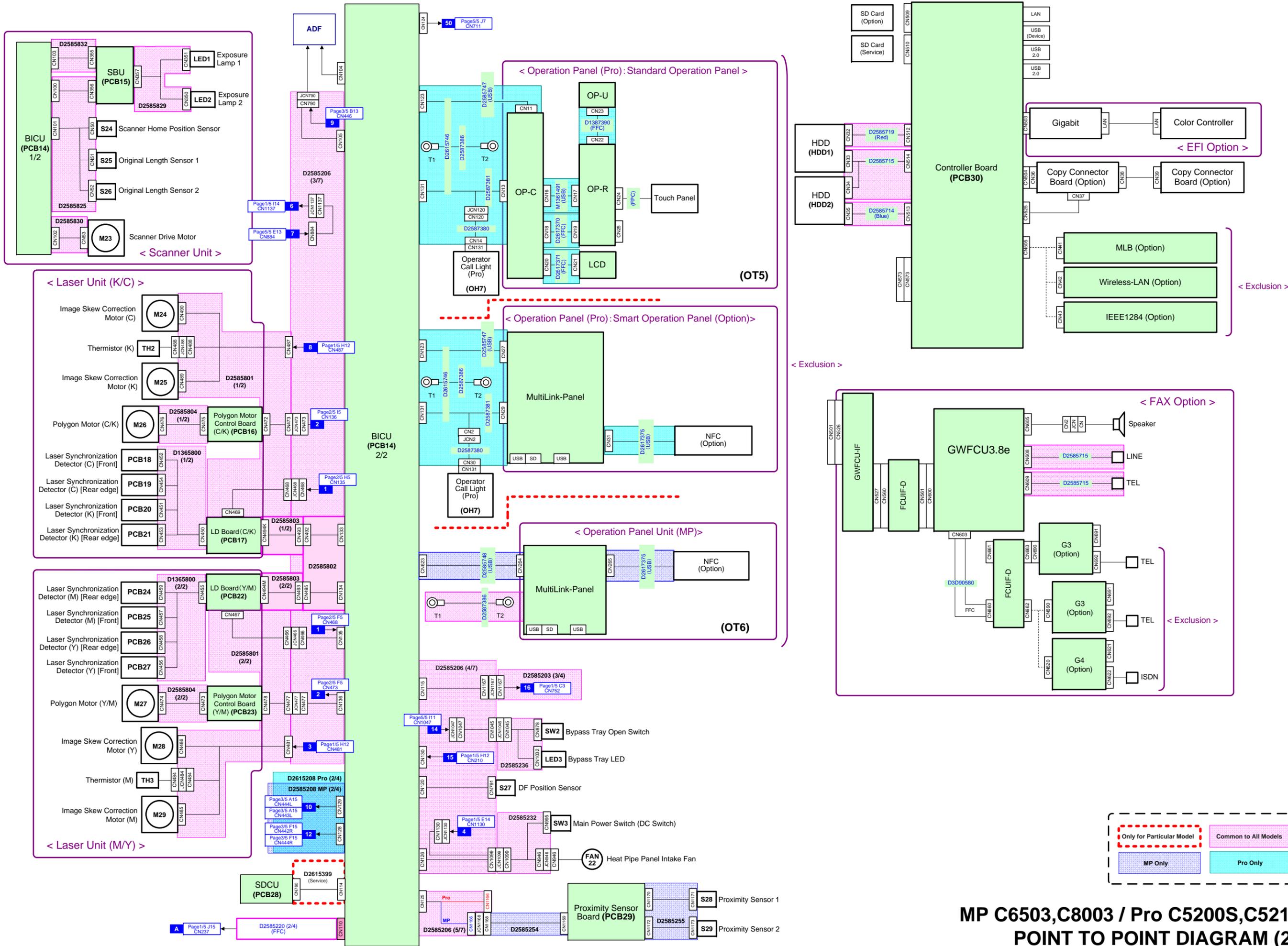


D2585217: For D258-17 (NA)
 D2585237: For all models except the D258-17 (NA)

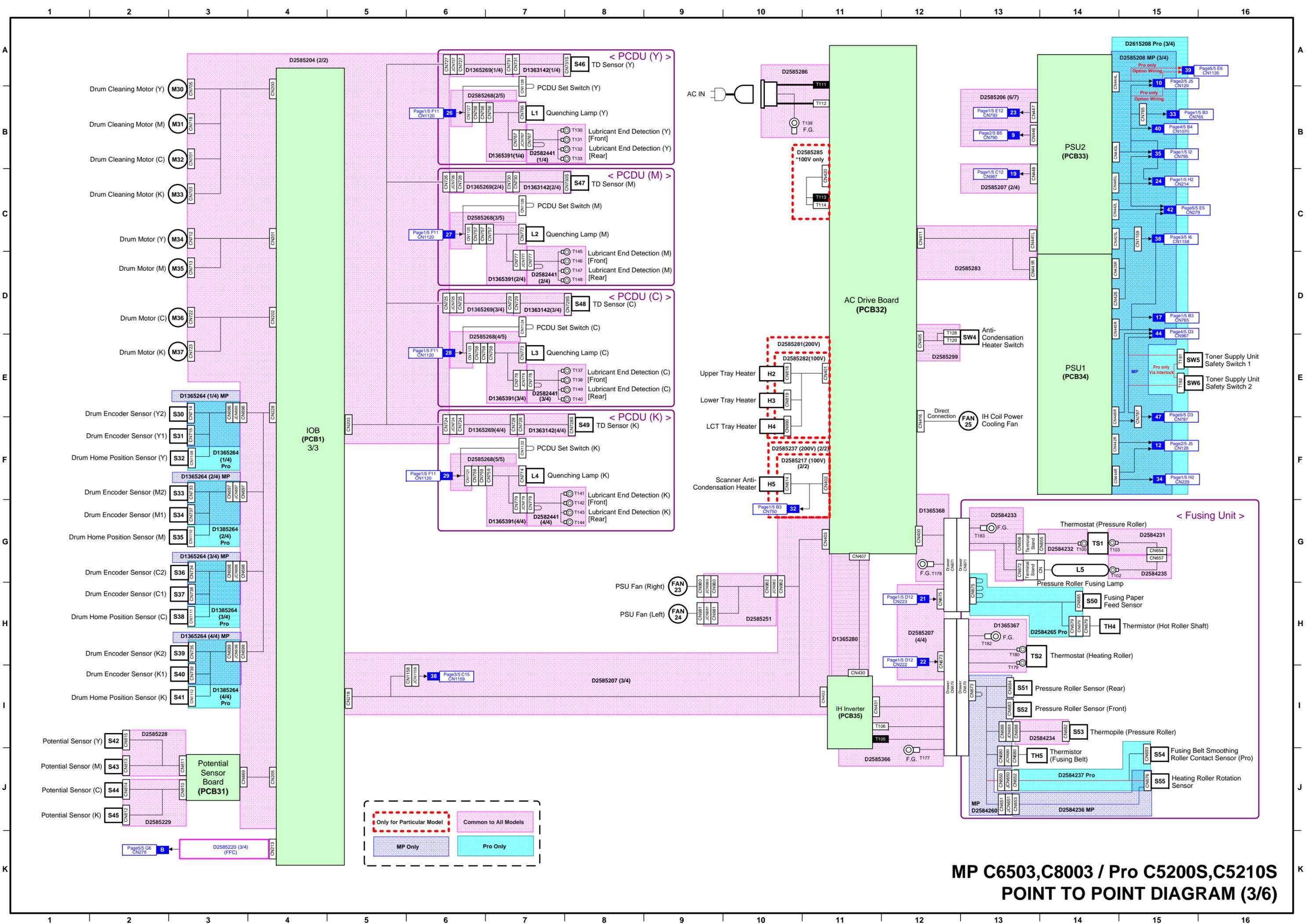


Legend for model-specific components:

- MP Only (Only for Particular Model)
- Pro Only (Common to All Models)



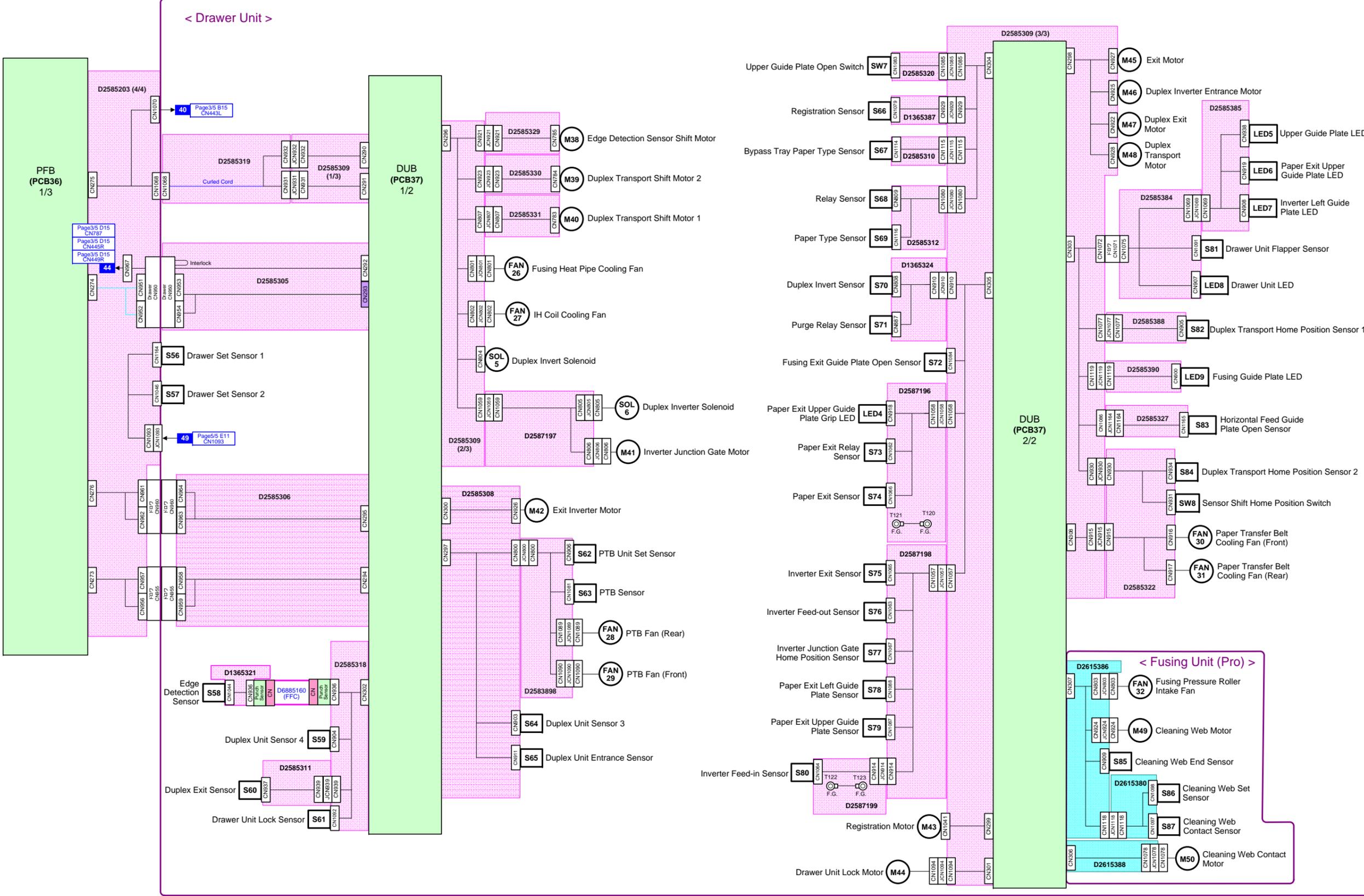
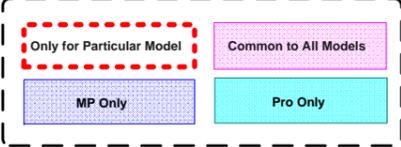
**MP C6503,C8003 / Pro C5200S,C5210S
POINT TO POINT DIAGRAM (2/6)**



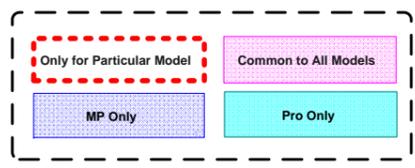
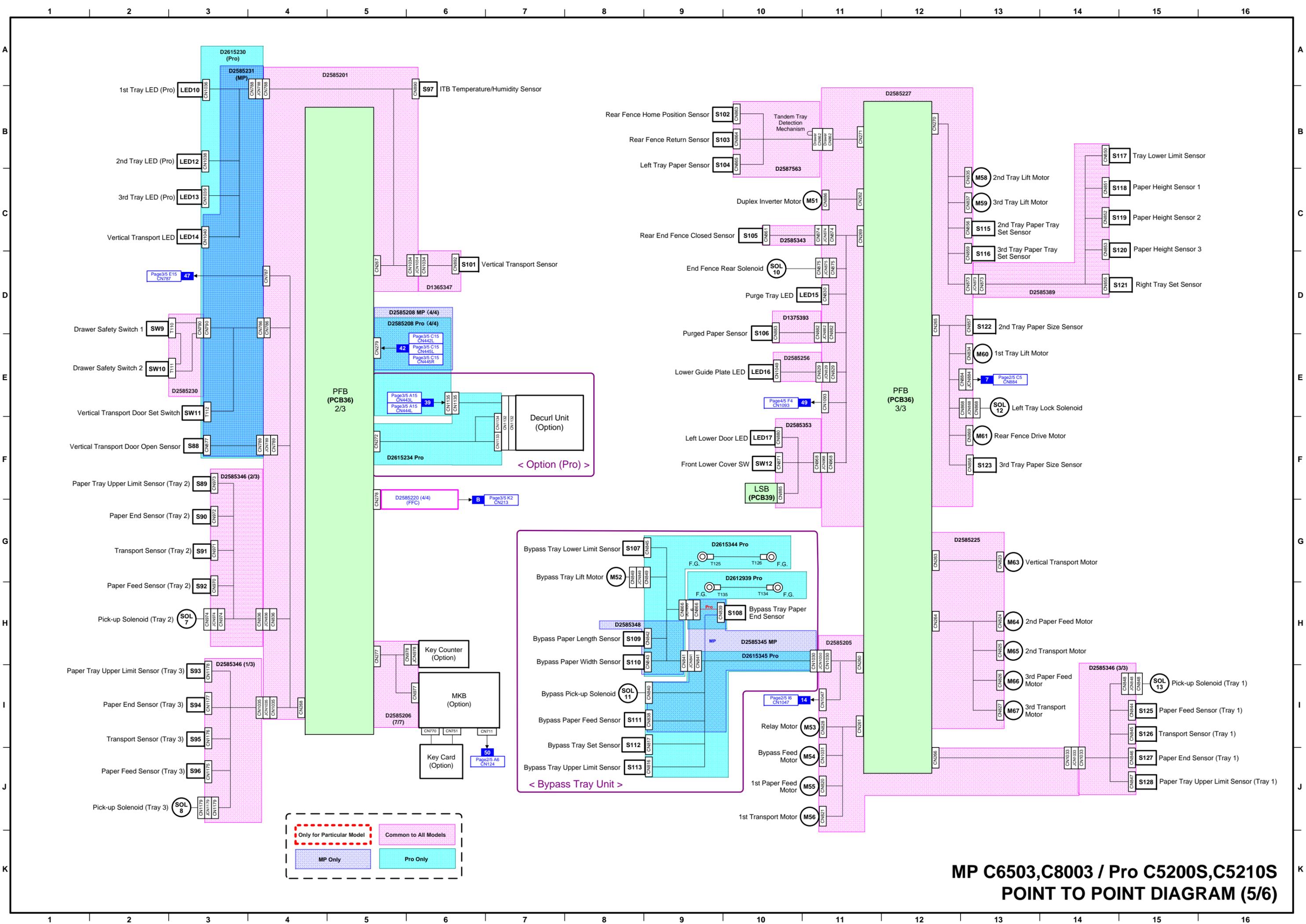
MP C6503,C8003 / Pro C5200S,C5210S
POINT TO POINT DIAGRAM (3/6)

Only for Particular Model
Common to All Models

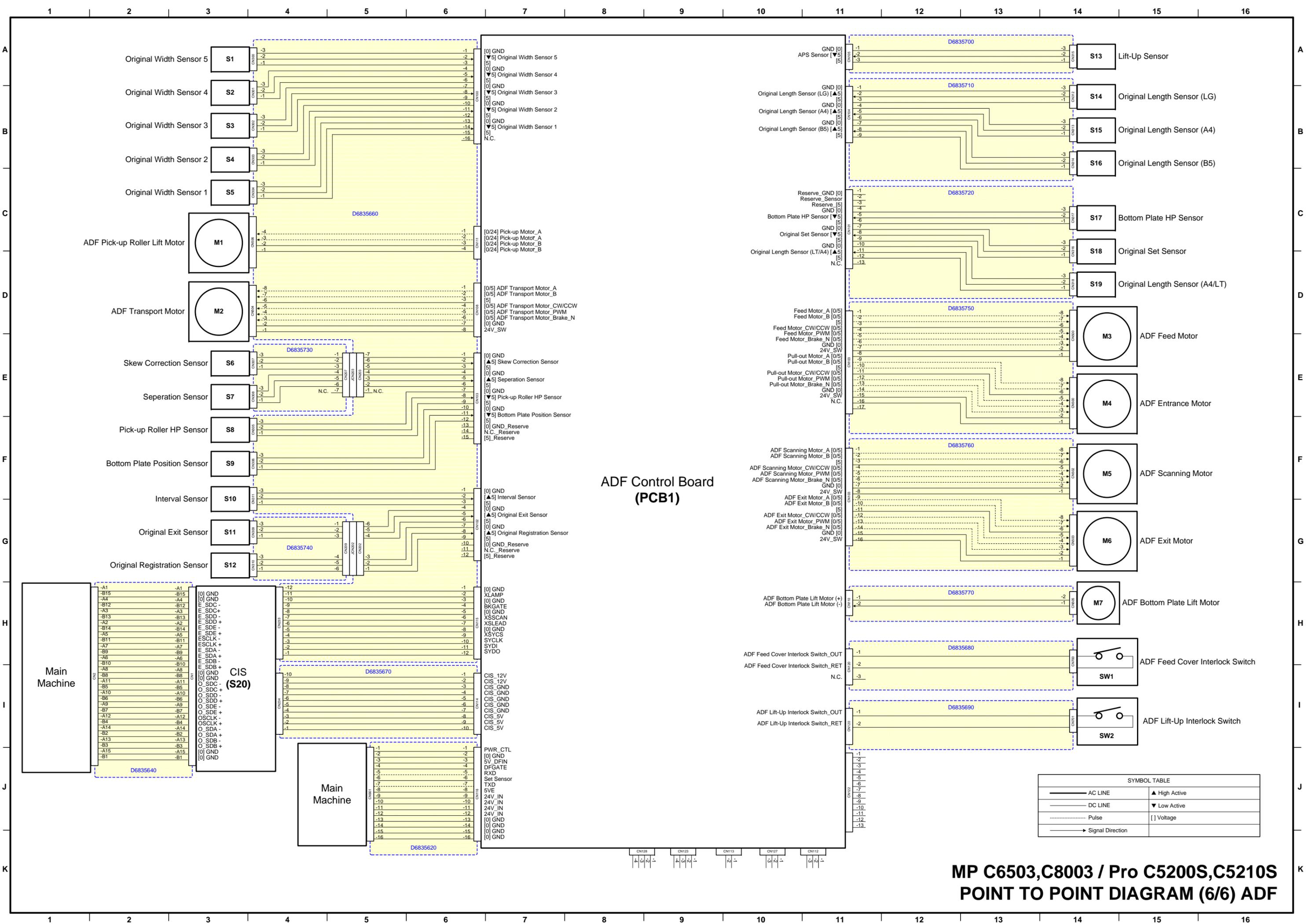
MP Only Pro Only



**MP C6503,C8003 / Pro C5200S,C5210S
POINT TO POINT DIAGRAM (4/6)**



**MP C6503,C8003 / Pro C5200S,C5210S
POINT TO POINT DIAGRAM (5/6)**



IOB Pin Assign Information

Connector (FROM)		Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	Pin No		
CN217	A1	TT2_MT_W	O			CN708	PTR Motor		
	A2	TT2_MT_V	O				7		
	A3	TT2_MT_U	O				6		
	A4	GND	G				5		
	A5	TT2_MT_HW	I				4		
	A6	TT2_MT_HV	I				3		
	A7	TT2_MT_HU	I				2		
	A8	+5V	P				1		
	B1	TT1CAMFIC_OUT1	O				CN711	ITB Lift Motor	
	B2	TT1CAMFIC_OUT2	O					1	
	B3	GND	G				CN709	PTR Encoder Sensor 2	
	B4	TT2ECSN2_EN.C	I					2	
	B5	+5V	P				CN710	PTR Encoder Sensor 1	
	B6	GND	G					3	
	B7	TT2ECSN1_EN.C	I				CN432	IH Inverter (100V)	
	B8	+5V	P					10	
	CN218	1	ZHI_H_ERR_ST	I				CN425L	PSU1 (200V)
		2	ZHI_RXD_IH	O					1
3		ZHI_H_TXD	I			2			
4		ZHI_ENABLE_IH	O			3			
5		ZHI_H_ZEROK2	I			4			
6		GND	G			5			
7		+5V	P			CN426	PSU1 (200V)		
8		ZPSUI_FON_VPEONV_N	O				1		
9		ZPSUI_VXCONV_LV_N	O				2		
10		ZPSUI_VPEONV_RDV	I				3		
11		ZPSUI_PONENG_N	O				4		
12		GND	G				1		
13		ZPSUI_DDOOR_OPEN	I				CN425R	PSU2 (200V)	
14		5VX	P					2	
15		ZPSUI_EX_5V	O				CN880	PSU Fan (Right)	
16		GND	G					3	
17		ZPSU2_PONENG_N	O			CN881	PSU Fan (Left)		
18		GND	G				2		
19		N.C.	N			CN403	AC Drive Board (200V)		
20		N.C.	N				14		
21		+24V	P				13		
22		QPS_FMLT_LOK	I		Error		12		
23		GND	G				11		
24		+24V	P				10		
25		QPS_FNRT_LOK	I		Error		9		
26		GND	G				8		
27		ZACDRIVE_CN.C.ON	I				7		
28		ZACDRIVE_ZEROX1	I				6		
29		5VX	P			5			
30		ZACDRIVE_TRG_PRES	O			4			
31		ZACDRIVE_RLY1_PW	O			3			
32		24VS	P			2			
33		GND	G			1			
34		T-GND	P			CN835	Waste Toner Transport Motor		
35		T-24V	P				8		
36		ZACDRIVE_FHCLFNK	O				7		
37		ZACDRIVE_FHCLFNK	I				6		
38		ZACDRIVE_PONENG_N	O				5		
39		ZACDRIVE_CBRKDHHT	O				4		
40		+24V1	P				3		
CN219	1	LWB_MT_GA	O				CN837	Waste Toner Bottle Set Sensor	
	2	LWB_MT_CLK	O					3	
	3	LWB_MT_LOK	I		Error			2	
	4	LWB_MT_STA_N	O		Start	1			
	5	GND	G			CN839		Waste Toner Near Full Sensor	
	6	GND	G					3	
	7	+24V	P					2	
	8	+24V	P					1	
	9	LWBSTSW	I					CN836	Waste Toner Bottle Motor Sensor
	10	GND	G						3
	11	GND	G				2		
	12	LWBNSFN	I				1		
	13	+5V	P				CN830		Waste Toner Lock Sensor
	14	GND	G						3
	15	LBMLKSN	I			2			
	16	+5V	P			1			
	17	N.C.	N			CN829			Waste Toner Collection Motor
	18	N.C.	N						8
	19	N.C.	N					7	
	20	N.C.	N					6	
	21	N.C.	N					5	
	22	GND	G					4	
	23	LMMLKSN_SNS	I				3		
	24	+5V	P				2		
	25	LMW_MT_GA	O				1		
	26	LMW_MT_CLK	O				CN820	Fusing Pressure Roller Exhaust Fan (Pro)	
	27	LMW_MT_LOK	I		Error	1			
	28	LMW_MT_STA_N	O		Start	2			
	29	GND	G			3			
	30	GND	G			4			
	31	+24V	P			5			
	32	+24V	P			6			
CN220	1	+24V	P			CN1095		Fusing Belt Smoothing Roller Drive Motor	
	2	FFRFFN_LOK	I		Error			10	
	3	GND	G					9	
	4	FFRFFN_PWM	O				8		
	5	FRDRMT_GA	O				7		
	6	FRDRMT_CLK	O				6		
	7	FRDRMT_BRK_N	O		Brake On		5		
	8	FRDRMT_CW	O		CW		4		
	9	FRDRMT_STA_N	O		Start		3		
	10	FRDRMT_LOK_N	I		Error		2		
	11	GND	G			1			
	12	GND	G			CN1096	Fusing Belt Smoothing Roller Contact Motor		
	13	+24V	P				1		
	14	+24V	P				2		
	15	FRRCAMT_A	O				3		
	16	FRRCAMT_XA	O				4		
17	FRRCAMT_XB	O			5				
CN221	1	T_24V	P			CN886	Finisher		
	2	ZFN_FIN_RXD	I				8		
	3	T_GND	G				7		
	4	ZFN_FIN_TXD	O				6		
	5	+5V	P				5		
	6	+5V	P				4		
	7	GND	G				3		
	8	GND	G				2		
	9	FFRDSMT_EN.C-A	I				1		
	10	FFRDSMT_EN.C-B	I				CN883	Fusing Release Motor	
	11	+VCC	P			8			
	12	FFRDSMT_CW	O		CW	7			
	13	FFRDSMT_PWM	O			6			
	14	FFRDSMT_BRK_N	O		Brake On	5			
	15	GND	G			4			
	16	+24VS	P			3			

IOB Pin Assign Information

Connector (FROM)		Signal Information				Connector (TO)		
No	Pin No	Signal Name	Direction	L	H	No	Pin No	
CN222	1	+5V	P			CN693	Fusing Belt Smoothing Roller Contact Sensor	
	2	FRRCASN	I				2	
	3	GND	G				3	
	4	GND	G				CN680	Thermistor (Fusing Belt)
	5	FFH_TSFR_SNS+	I					2
	6	+5V	P				CN684	Pressure Roller Sensor (Rear)
	7	FFOPSSNA	I					1
	8	GND	G				2	
	9	FFU_SS_SET6	I		Set		CN673	Fusing Unit Detection
	10	GND	G					2
	11	FFP_TSCT_TAMB	I				CN688	Thermopile (Pressure Roller)
	12	+5V	P					4
	13	GND	G					3
	14	FFP_TSCT_TOBJ	I					2
	15	N.C.	N				CN676	Heating Roller Rotation Sensor
	16	+5V	P					1
	17	FFHRTSN	I				2	
	18	GND	G				3	
	19	+5V	P				CN683	Pressure Roller Sensor (Front)
	20	FFOPSSNB	I					1
	21	GND	G				2	
CN223	1	+5V	P			CN685	Using Paper Feed Sensor	
	2	FOUEPSN_SNS_N	I				1	
	3	GND	G				2	
	4	FFR_TSEG_SNS-	G			CN679	Thermistor (Hot Roller Shaft)	
	5	FFR_TSEG_SNS+	G				1	
	6	FFU_SS_SET5_N	I		Set	CN675	Fusing Unit Detection	
	7	GND	G				10	
	8	FFU_SS_SET3_N	I		Set	9		
	9	GND	G			6		
	10	N.C.	N		Set	5		
	11	N.C.	N		Set	4		
	12	FFU_SS_SET1_N	I		Set	3		
	13	GND	G			2		
CN224	1	+5V	P			CN686	Fusing Entrance Sensor	
	2	GND	G				3	
	3	FIN_SNS_N	I			2		
	4	FFH_TSCT_SNA	I			CN631	Thermopile (Heating Roller)	
	5	+5V	P				4	
	6	GND	G			3		
	7	FFH_TSCT_SNO	I			2		
	8	+24V	P			CN641	Development Exhaust Fan (Right)	
	9	ODVEFFNRT_LOK	I		Error		1	
	10	GND	G			2		
	11	+24V	P			CN642	Development Exhaust Fan (Left)	
	12	ODVEFFNLT_LOK	I		Error		1	
	13	GND	G			2		
	14	+24V	P			3		
	15	MHNSFN_LOK	I		Error	CN646	Heat Pipe Panel Intake Fan	
	16	GND	G				1	
	17	+24V	P			2		
	18	MHNEFN_LOK	I		Error	3		
	19	GND	G			CN649	Heat Pipe Panel Exhaust Fan	
	20	+24V	P				1	
21	MTEFFN_LOK	I		Error	CN623	PTR Fusing Exhaust Fan		
22	GND	G				2		
23	+24V	P			3			
24	MOZEFFN_LOK	I		Error	CN621	Ozone Exhaust Fan		
25	GND	G				1		
26	+24V	P			2			
27	MOZEFFN_LOK	I		Error	3			
28	GND	G			4			
29	+24V	P			CN626	Fusing Exit Exhaust Fan		
30	FFUEFN_LOK	I		Error		1		
31	GND	G			2			
32	+24V	P			3			
33	FFUEFN_PWM	O			4			
34	MDVEFN_LOK	I		Error	CN622	Drive Exhaust Fan		
35	GND	G				1		
36	+24V	P			2			
37	MDVEFN_HL	O		High Speed	3			
38	+24VS	P			CN624	Duplex Exhaust Fan (Rear)		
39	ROPEFFNBC_LOK	I		Error		1		
40	GND	G			2			
41	+24VS	P			CN689	Duplex Exhaust Fan (Middle)		
42	ROPEFFNME_LOK	I		Error		1		
43	GND	G			2			
44	+24VS	P			CN625	Duplex Exhaust Fan (Front)		
45	ROPEFFNFR_LOK	I		Error		1		
46	GND	G			2			
47	+24V	P			3			
48	N.C.	N			CN704	Development Motor (Y)		
49	ODV_MTY_MON	I				10		
50	ODV_MTY_MARKER	I			9			
51	ODV_MTY_FG	I			8			
52	ODV_MTY_CW	O		CW	7			
53	ODV_MTY_OV	O			6			
54	ODV_MTY_PWM_N	O		Active	5			
55	ODV_MTY_BRK_N	O		Brake On	4			
56	GND	G			3			
57	+24V	P			2			
58	ODV_MTC_MON	I			CN706	Development Motor (M)		
59	ODV_MTC_MARKER	I				10		
60	ODV_MTC_FG	I			9			
61	ODV_MTC_CW	O		CW	8			
62	ODV_MTC_PWM_N	O		Active	7			
63	ODV_MTC_BRK_N	O		Brake On	6			
64	GND	G			5			
65	+24V	P			4			
66	N.C.	N			3			
67	FFU_MT_CLK	O			CN627	Fusing Drive Motor (Pro)		
68	FFU_MT_BRK_N	O		Brake On		10		
69	FFU_MT_CW	O		CW	9			
70	FFU_MT_STA_N	O		Start	8			
71	FFU_MT_LOK	I		Error	7			
72	GND	G			6			
73	+24V	P			5			
74	GND	G			4			
75	+24V	P			3			
76	GND	G			2			
77								

Controller Board Pin Assign Information

Signal Information						Connector (TO)						
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN1	G1	ECO_SW_N	I			CN121	BICU	G1				
	G2	PONOFF_N	O					G2				
	G3	SDMODE_N	O					G3				
	G4	GND	G					G4				
	G5	GND	G					G5				
	G6	GND	G					G6				
	G7	GND	G					G7				
	G8	N.C.	N					G8				
	G9	GND	G					G9				
	G10	GND	G					G10				
	G11	GND	G					G11				
	G12	GND	G					G12				
	G13	GND	G					G13				
	G14	GND	G					G14				
	G15	GND	G					G15				
	G16	GND	G					G16				
	G17	GND	G					G17				
	G18	GND	G					G18				
	G19	GND	G					G19				
	G20	GND	G					G20				
	G21	GND	G					G21				
	G22	GND	G					G22				
	G23	GND	G					G23				
	G24	GND	G					G24				
	G25	3.3VE_MSENS	P					G25				
	G26	GND	G					G26				
	G27	GND	G					G27				
	G28	N.C.	N					G28				
	G29	VXCNV_LV_N	N					G29				
	G30	N.C.	N					G30				
	G31	WKUP_L_N	I					G31				
	G32	MONENV	I					G32				
	G33	PONENV_N	O					G33				
	G34	TIMER_UP2_N	O					G34				
	G35	LDET_ACSWOFF_N	N					G35				
	G36	N.C.	N					G36				
	G37	PROMPT	N					G37				
G38	BDEVSEL1	N			G38							
G39	+24V	P			G39							
P1	+5VX	P			P1							
P2	+5VX	P			P2							
P3	+5VX	P			P3							
P4	GND	G			P4							
P5	GND	G			P5							
P6	GND	G			P6							
P7	+5VX	P			P7							
P8	+12V	N			P8							
S1	POKUSB	O			S1							
S2	POKOPE	N			S2							
S3	LDET_IN_N	I			S3							
S4	N.C.	N			S4							
S5	N.C.	N			S5							
S6	PERST_RAP1_N	O			S6							
S7	OPE_USB_M	B			S7							
S8	OPE_USB_P	B			S8							
S9	OPE_CTLERR_N	O			S9							
S10	OP0_CLK	O			S10							
S11	OP0_TXD	O			S11							
S12	OP0_RXD	I			S12							
S13	N.C.	N			S13							
S14	N.C.	N			S14							
S15	N.C.	N			S15							
S16	MUL_TRG_N	B			S16							
S17	VBY_TX_P	O			S17							
S18	VBY_TX_M	O			S18							
S19	SUBLINK_P	B			S19							
S20	SUBLINK_M	B			S20							
S21	N.C.	N			S21							
S22	N.C.	N			S22							
S23	N.C.	N			S23							
S24	N.C.	N			S24							
S25	PCIE_RAP1_RX3_M	I			S25							
S26	PCIE_RAP1_RX3_P	I			S26							
S27	PCIE_RAP1_TX3_M	O			S27							
S28	PCIE_RAP1_TX3_P	O			S28							
S29	PCIE_RAP1_RX2_M	I			S29							
S30	PCIE_RAP1_RX2_P	I			S30							
S31	PCIE_RAP1_TX2_M	O			S31							
S32	PCIE_RAP1_TX2_P	O			S32							
S33	PCIE_RAP1_RX1_M	I			S33							
S34	PCIE_RAP1_RX1_P	I			S34							
S35	PCIE_RAP1_TX1_M	O			S35							
S36	PCIE_RAP1_TX1_P	O			S36							
S37	PCIE_RAP1_RX0_M	I			S37							
S38	PCIE_RAP1_RX0_P	I			S38							
S39	PCIE_RAP1_TX0_M	O			S39							
S40	PCIE_RAP1_TX0_P	O			S40							
S41	REFCLK_M	O			S41							
S42	REFCLK_P	O			S42							
S43	REFCLK_DBG_M	O			S43							
S44	REFCLK_DBG_P	O			S44							
S45	N.C.	N			S45							
S46	MSSENS_N	I			S46							
S47	MSSENS_INIT1	O			S47							
S48	MSSENS_INIT2	O			S48							
S49	PERXD	I			S49							
S50	PERXD	O			S50							
S51	ENG_ENABLE_N	O			S51							
S52	PON_VEPONV_N	N			S52							
S53	VERCONV_RDY_N	N			S53							
S54	FLUKKI	O			S54							
S55	ENGRDY_N	I			S55							
S56	N.C.	N			S56							
S57	WKUP_E	I			S57							
S58	VDET_EPQI	I			S58							
S59	PONSENS_N	O			S59							
S60	LCD_ENABLE_N	N			S60							
S61	TIMER_UP1_N	O			S61							
S62	TIMER_UP1_N	O			S62							
S63	PW_BTN_N	I			S63							
S64	REDON_DC_N	N			S64							
S65	N.C.	N			S65							
S66	N.C.	N			S66							
S67	N.C.	N			S67							
S68	BOOT_MODE	N			S68							
S69	QBOOT_N	N			S69							
S70	BDEVSEL2	N			S70							
S71	DBGTXD	N			S71							
S72	DBGRXD	N			S72							

Finisher Pin Assign Information

Signal Information						Connector (TO)						
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN866	G1	GND	G			CN221	IOB	G1				
	2	GND	G					G2				
	3	+5V	P					G3				
	4	+5V	P					G4				
	5	FN_TXD	I					G5				
	6	T_GND	G					G6				
	7	FN_RXD	O					G7				
	8	T_24V	P					G8				

BICU Pin Assign Information

Signal Information						Connector (TO)						
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN100	1	GND_LED	G			CN56	SBU	12				
	2	LED_CNT_N	O					11				
	3	LED_ON_L	O					10				
	4	LED_ON_R	O					9				
	5	GND_LED	G					8				
	6	+24V	P					7				
	7	+24V	P					6				
	8	GND	G					5				
	9	GND	G					4				
	10	+5V_SBU	P					3				
CN101	1	GND	G			CN50	Scanner Home Position Sensor	3				
	2	HPS	I					2				
	3	+5V_SBU	P					1				
	4	GND	G					3				
	5	APST_N	I					2				
	6	+5VAPS	P					1				
	7	GND	G					3				
	8	APS2_N	I					2				
CN102	1	+5VAPS	P			CN53	Scanner Drive Motor	6				
	2	+24VAM	P					5				
	3	A	O					4				
	4	B	O					3				
	5	+24VAM	P					2				
	6	XB	O					1				
CN103	1	SYDI_SBU	I			CN55	SBU	18				
	2	GND	G					19				
	3	O_TE-	I					20				
	4	O_TE+	I					21				
	5	O_LVOK-	I					22				
	6	O_LVOK+	I					23				
	7	O_TB-	I					24				
	8	O_TB+	I					25				
	9	SHGATE_N	O					26				
	10	GND	G					27				
	11	E_TE-	I					28				
	12	E_TE+	I					29				
	13	E_LVOK-	I					30				
	14	E_LVOK+	I					31				
	15	E_TB-	I					32				
	16	E_TB+	I					33				
	17	SYDO_SBU	O					34				
	18	XSYCS_SBU	O					1				
CN104	1	E_TA+	I			CN1	ADF	A1				
	2	E_TA-	I					B13				
	3	E_TG+	I					A3				

BICU Pin Assign Information

Connector (FROM)		Signal Information				Connector (TO)	
No	Pin No	Signal Name	Direction	L	H	No	Pin No
CN114	1	SDCU_CS_N	O			CN780	1
	2	GND	G				2
	3	SDCU_SO	O				3
	4	GND	G				4
	5	SDCU_CLK	O				5
	6	SDCU_SI	I				6
	7	GND	G				7
	8	+5V_SDCU	P				8
	9	+5V_X_SDCU	P				9
	10	SDCU_SET_N	I				10
	11	PONENG_PSU_N_O	O				11
	12	SDCU_ERR	I				12
	13	BCU_RST_N_O	O				13
CN115	1	GND	G			CN757	1
	2	TBTSPN_L_R	O				2
	3	TBTSPN_V_R	I				3
	4	TBTSPN_V_C	I				4
	5	+3.3V_BCU	P				5
	6	TBTSPN_C	O				6
	7	TBTSPN_V_C2	I				7
	8	TBTSPN_V_F	I				8
	9	TBTSPN_F	O				9
CN120	1	GND	G			CN791	1
	2	AKS	I				2
	3	+5VE_AKS	P				3

BICU Pin Assign Information

Connector (FROM)		Signal Information				Connector (TO)	
No	Pin No	Signal Name	Direction	L	H	No	Pin No
CN121	G1	ECO_SW_N	N			CN1	G1
	G2	PONOFF_N	N				G2
	G3	SDMODE_N	I				G3
	G4	GND	G				G4
	G5	GND	G				G5
	G6	GND	G				G6
	G7	GND	G				G7
	G8	N.C.	N				G8
	G9	GND	G				G9
	G10	GND	G				G10
	G11	GND	G				G11
	G12	GND	G				G12
	G13	GND	G				G13
	G14	GND	G				G14
	G15	GND	G				G15
	G16	GND	G				G16
	G17	GND	G				G17
	G18	GND	G				G18
	G19	GND	G				G19
	G20	GND	G				G20
	G21	GND	G				G21
	G22	GND	G				G22
	G23	GND	G				G23
	G24	GND	G				G24
	G25	+3.3VE_MSENS	P				G25
	G26	GND	G				G26
	G27	GND	G				G27
	G28	N.C.	N				G28
	G29	N.C.	N				G29
	G30	N.C.	N				G30
	G31	WKUP_L_N	O				G31
	G32	MON5V	P				G32
	G33	PONENG_N	I				G33
	G34	TIMER_UP_N2	I				G34
	G35	N.C.	N				G35
	G36	N.C.	N				G36
	G37	N.C.	N				G37
	G38	N.C.	N				G38
	G39	+24V1	P				G39
	P1	+5VX	P				P1
	P2	+5VX	P				P2
	P3	+5VX	P				P3
	P4	GND	G				P4
	P5	GND	G				P5
	P6	GND	G				P6
	P7	+5VX	P				P7
	P8	N.C.	N				P8
	S1	POKUSB	N				S1
	S2	N.C.	N				S2
	S3	LDET_IN_N	N				S3
	S4	N.C.	N				S4
	S5	N.C.	N				S5
	S6	PEBST_RAPI_N	I				S6
	S7	OPE_USB_M	B				S7
	S8	OPE_USB_P	B				S8
	S9	OPE_CTLERR_N	N				S9
	S10	OP0_CLK	N				S10
	S11	OP0_TXD	N				S11
	S12	OP0_RXD	N				S12
	S13	N.C.	N				S13
	S14	N.C.	N				S14
	S15	N.C.	N				S15
	S16	MUL_TRG_N	B				S16
	S17	VBY_TX_P	I				S17
	S18	VBY_TX_M	I				S18
	S19	SUBLINK_P	B				S19
	S20	SUBLINK_M	B				S20
	S21	N.C.	N				S21
	S22	N.C.	N				S22
	S23	N.C.	N				S23
	S24	N.C.	N				S24
	S25	POE_RAPI_RX3_M	O				S25
	S26	POE_RAPI_RX3_P	O				S26
	S27	POE_RAPI_TX3_M	I				S27
	S28	POE_RAPI_TX3_P	I				S28
	S29	POE_RAPI_RX2_M	O				S29
	S30	POE_RAPI_RX2_P	O				S30
	S31	POE_RAPI_TX2_M	I				S31
	S32	POE_RAPI_TX2_P	I				S32
	S33	POE_RAPI_RX1_M	O				S33
	S34	POE_RAPI_RX1_P	O				S34
	S35	POE_RAPI_TX1_M	I				S35
	S36	POE_RAPI_TX1_P	I				S36
	S37	POE_RAPI_RX0_M	O				S37
	S38	POE_RAPI_RX0_P	O				S38
	S39	POE_RAPI_TX0_M	I				S39
	S40	POE_RAPI_TX0_P	I				S40
S41	REFCLK_M	I			S41		
S42	REFCLK_P	I			S42		
S43	REFCLK_DBG_M	I			S43		
S44	REFCLK_DBG_P	I			S44		
S45	N.C.	N			S45		
S46	MSENS_N	O			S46		
S47	MSENS_INT1	I			S47		
S48	MSENS_INT2	B			S48		
S49	PETXD	O			S49		
S50	PETXD	I			S50		
S51	ENG_ENABLE_N	I			S51		
S52	N.C.	N			S52		
S53	N.C.	N			S53		
S54	FUKKI	I			S54		
S55	ENGRDY_N	O			S55		
S56	N.C.	N			S56		
S57	WKUP_E	O			S57		
S58	VDET_EPDI	O			S58		
S59	PONSSENS_N	I			S59		
S60	N.C.	N			S60		
S61	TIMER_UP0_N	I			S61		
S62	TIMER_UP1_N	I			S62		
S63	PW_BTN_N	O			S63		
S64	N.C.	N			S64		
S65	N.C.	N			S65		
S66	N.C.	N			S66		
S67	N.C.	N			S67		
S68	N.C.	N			S68		
S69	N.C.	N			S69		
S70	N.C.	N			S70		
S71	N.C.	N			S71		
S72	N.C.	N			S72		
CN123	1	+5VX_LPS	P			CN702	1
	2	USBOD	B				2
	3	USBOD+	B				3
	4	MUL_TRG_N	B				4
	5	GND	G				5
	6	SUBLINK_M	B				6
	7	SUBLINK_P	B				7
	8	GND	G				8
	9	VBY_TX_M	O				9
	10	VBY_TX_P	O				10

BICU Pin Assign Information

Connector (FROM)		Signal Information				Connector (TO)	
No	Pin No	Signal Name	Direction	L	H	No	Pin No
CN124	1	+5VE_LPS	P			CN711	1
	2	+5VE_LPS	P				2
	3	PETXD	O				3
	4	PETXD	I				4
	5	GND	G				5
	6	GND	G				6
CN125	1	+3.3VE_MSENS	P			CN166	1
	2	MSENS_N	I				2
	3	GND	G				3
	4	MSENS_INT1	O				4
	5	MSENS_INT2	O				5
CN126	1	PW_BTN_N	I			CN995	1
	2	GND	G				2
CN128	1	+24V1	P			CN444R	1
	2	GND	G				2
	3	+5VX	P				3
	4	GND	G				4
	5	GND	G				5
	6	+5VX	P				6
CN129	1	+5V	P			CN443L	1
	2	GND	G				2
	3	GND	G				3
	4	+24V	P				4
CN130	1	PONENG_N	O			CN210	1
	2	N.C.	N				2
	3	GND	G				3
	4	PON_VEPNV_N	O				4
	5	VEPNV_LV_N	O				5
	6	VEPNV_RDY_N	I				6
CN131	1	+24V_LPS	P			CN131	1
	2	N.C.	N				2
	3	GND	G				3
CN133	1	TX_DATA_K_M	O			CN494K	1
	2	TX_DATA_K_P	O				2
	3	GND	G				3
	4	TX_DATA_C_M	O				4
	5	TX_DATA_C_P	O				5
CN134	1	TX_DATA_M_M	O			CN494M	1
	2	TX_DATA_M_P	O				2
	3	GND	G				3
	4	TX_DATA_Y_M	O				4
	5	TX_DATA_Y_P	O				5
CN135	1	C_SYNC_MASK	O			CN468	1
	2	+5VS_KC	P				2
	3	+5VS_KC	P				3
	4	GND	G				4
	5	GND	G				5
	6	GND	G				6
	7	TN.CTEND_C	I				7
	8	TN.CTEND_K	I				8
	9	VTECNT_KC	I				9
	10	VFFGATE_C_N	I				10
	11	VFFGATE_N_N	I				11
	12	VLSYNC_C_N	I				12
	13	VLSYNC_K_N	I				13
	14	VFSYNC_C_N	I				14
	15	VFSYNC_K_N	I				15
	16	STOUTIN_OUT_N	I				16
	17	SYCLK_KC	O				17
	18	SYCS_KC_N	O				18
	19	SYDI_KC	O				19
	20	SYDO_KC	I				20
CN136	1	+24V1	P			CN478	1
	2	GND	G				2
	3	PMON1_N	O				3
	4	SCRDY1_N	I				4
	5	PMCLK1	O				5
	6	+24V1	P				6
	7	GND	G				7
	8	PMON0_N	O				8
	9	SCRDY0_N	I				9
	10	PMCLK0	O				10
CN467	1	GND	G			LD Board (MY)	1
	2	+5VS_MY	P				2
	3	+5VS_MY	P				3
	4	GND	G				4
	5	GND	G				5
	6	GND	G				6
	7	TN.CTEND_Y	I				7
	8	TN.CTEND_M	I				8
	9	VTECNT_MY	I				9
	10	VFFGATE_Y_N	I				10
CN472	1	GND	G			LD Board (MY)	1
	2	+5VS_MY	P				2
	3	SYCLK_KC	O				3
	4	SYCS_MY_N	O				4
	5	SYDI_KC	O				5

Operation Panel Unit Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No			
CN702	1	+5V_VBUS	P			CN123	BICU	1			
	2	OPF_USB_M	B					2			
	3	OPF_USB_P	B					3			
	4	MLT_TRG_N	B					4			
	5	GND	G					5			
	6	VBY_SUB_M	B					6			
	7	VBY_SUB_P	B					7			
	8	GND	G					8			
	9	VBY_TX_M	I					9			
	10	VBY_TX_P	I					10			
CN707	1	GND	N			CN131	Operator Call Light	3			
	2	GND	G					4			
	3	PATLITE_R_N	O					5			
	4	PATLITE_N_N	O					5			
	5	PATLITE_B_N	O					6			

LD Board (MY) Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)				
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN455	1	DETPO_N	I			CN457	Laser Synchronization Detector (M) [Front]	3				
	2	+3.3V_PD	P					2				
	3	GND	G					1				
	4	EDETPO_N	I					CN459	Laser Synchronization Detector (M) [Rear edge]	3		
	5	+3.3V_PD	P							2		
	6	GND	G					1				
	7	DETP1_N	I					CN456	Laser Synchronization Detector (Y) [Front]	3		
	8	+3.3V_PD	P							2		
	9	GND	G					1				
	10	EDETP1_N	I					CN458	Laser Synchronization Detector (Y) [Rear edge]	3		
	11	+3.3V_PD	P							2		
12	GND	G			1							
CN467	1	SYDI_N	O			CN134	BICU	40				
	2	SYDO_N	I					39				
	3	SYCS_N	I					38				
	4	CLK_SY	I					37				
	5	STOOUTN_N	B					36				
	6	MFSYNC0_N	O					35				
	7	MFSYNC1_N	O					34				
	8	MFSYNC0_N	O					33				
	9	MFSYNC1_N	O					32				
	10	PFGATE0_N	O					31				
	11	PFGATE1_N	O					30				
	12	VTECNT	O					29				
	13	TN.C.NTEND0	O					28				
	14	TN.C.NTEND1	O					27				
	15	GND	G					26				
	16	GND	G					25				
	17	GND	G					24				
	18	+5VS	P					23				
	19	+5VS	P					22				
	20	SYNC_MASK	I					21				
CN494	1	L0_RXM	I			CN133	BICU	1				
	2	L0_RXP	I					2				
	3	GND	G					3				
	4	L2_RXM	I					4				
	5	L2_RXP	I					5				

LD Board (KC) Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)				
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN450	1	DETPO_N	I			CN451	Laser Synchronization Detector (K) [Front]	3				
	2	+3.3V_PD	P					2				
	3	GND	G					1				
	4	EDETPO_N	I					CN453	Laser Synchronization Detector (K) [Rear edge]	3		
	5	+3.3V_PD	P							2		
	6	GND	G					1				
	7	DETP1_N	I					CN452	Laser Synchronization Detector (C) [Front]	3		
	8	+3.3V_PD	P							2		
	9	GND	G					1				
	10	EDETP1_N	I					CN454	Laser Synchronization Detector (C) [Rear edge]	3		
	11	+3.3V_PD	P							2		
12	GND	G			1							
CN469	1	SYDI_N	O			CN135	BICU	20				
	2	SYDO_N	I					19				
	3	SYCS_N	I					18				
	4	CLK_SY	I					17				
	5	STOOUTN_N	B					16				
	6	MFSYNC0_N	O					15				
	7	MFSYNC1_N	O					14				
	8	MFSYNC0_N	O					13				
	9	MFSYNC1_N	O					12				
	10	PFGATE0_N	O					11				
	11	PFGATE1_N	O					10				
	12	VTECNT	O					9				
	13	TN.C.NTEND0	O					8				
	14	TN.C.NTEND1	O					7				
	15	GND	G					6				
	16	GND	G					5				
	17	GND	G					4				
	18	+5VS	P					3				
	19	+5VS	P					2				
	20	SYNC_MASK	I					1				
CN494	1	L0_RXM	I			CN133	BICU	1				
	2	L0_RXP	I					2				
	3	GND	G					3				
	4	L2_RXM	I					4				
	5	L2_RXP	I					5				

DUB Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No			
CN290	1	ZFFB_MDULKSN_SNS	O			CN275	FFB	1			
	2	ZFFB_EEXUNRST	I					2			
	3	ZFFB_EEXUARTRXD	I					3			
	4	ZFFB_EEXUARITXD	O					4			
	5	ZFFB_MDULKMT_OUTB	I					5			
	6	ZFFB_MDULKMT_OUTA	I					6			
	7	GND	G					7			
	8	+24V	P					8			
	9	+5V	P					9			
	10	GND	G					10			
CN291	1	+5V	P			CN443L	PSU2	4			
	2	GND	G					10			
CN292	1	+24VS	P			CN360	FFB	1			
	2	GND	G					3			

DUB Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No			
CN293	A1	GND	G			CN274	FFB	A1			
	A2	ZFFB_CSR_M11_CLK	I					A2			
	A3	ZFFB_CSR_M11_FR	I					A3			
	A4	ZFFB_CSR_M11_ENB	I					A4			
	A5	ZFFB_CSR_M11_CRT	I					A5			
	A6	ZFFB_CSR_M12_CLK	I					A6			
	A7	ZFFB_CSR_M12_FR	I					A7			
	A8	ZFFB_CSR_M12_ENB	I					A8			
	A9	ZFFB_CSR_M12_CRT	I					A9			
	A10	ZFFB_RDRVSL_DRV	I					A10			
	A11	ZFFB_RDRVSL_DRV	I					A11			
	A12	N.C.	N					A12			
	A13	N.C.	N					A13			
	B1	ZFFB_RRVDMT_CLK	I					B1			
	B2	ZFFB_RRVDMT_FR	I					B2			
	B3	ZFFB_RRVDMT_ENB	I					B3			
	B4	ZFFB_RRVDMT_CRT	I					B4			
B5	ZFFB_RDPHMT_CLK	I			B5						
B6	ZFFB_RDPHMT_FR	I			B6						
B7	ZFFB_RDPHMT_ENB	I			B7						
B8	ZFFB_RDPHMT_CRT	I			B8						
B9	ZFFB_FWBCEMT_CLK	I			B9						
B10	ZFFB_FWBCEMT_FR	I			B10						
B11	ZFFB_FWBCEMT_ENB	I			B11						
B12	N.C.	N			B12						
B13	ZFFB_FWBCASN_SNS	O			B13						
CN294	A1	ZFFB_DRVSTSN	O			CN273	FFB	A1			
	A2	ZFFB_EEXR/MT_BRK_N	I					A2			
	A3	ZFFB_EEXR/MT_PWM	I					A3			
	A4	ZFFB_EEXR/MT_CW	I					A4			
	A5	ZFFB_EEXR/MT_ENC-B	O					A5			
	A6	ZFFB_EEXR/MT_ENC-A	O					A6			
	A7	ZFFB_RRVNMT_BRK_N	I					A7			
	A8	ZFFB_RRVNMT_PWM	I					A8			
	A9	ZFFB_RRVNMT_CW	I					A9			
	A10	ZFFB_RRVNMT_ENC-B	O					A10			
	A11	ZFFB_RRVNMT_ENC-A	O					A11			
	A12	ZFFB_EEX_MT_BRK_N	I					A12			
	A13	ZFFB_EEX_MT_PWM	I					A13			
	A14	ZFFB_EEX_MT_CW	I					A14			
	A15	ZFFB_EEX_MT_ENC-B	O					A15			
	A16	ZFFB_EEX_MT_ENC-A	O					A16			
	A17	N.C.	N					B1			
B1	ZFFB_CCTPASN_SNS_N	O			B1						
B2	ZFFB_RDPOLMT_BRK	I			B2						
B3	ZFFB_RDPOLMT_PWM	I			B3						
B4	ZFFB_RDPOLMT_CW	I			B4						
B5	ZFFB_RDPOLMT_ENC-B	O			B5						
B6	ZFFB_RDPOLMT_ENC-A	O			B6						
B7	ZFFB_RDPOLMT_BRK_N	I			B7						
B8	ZFFB_RDPOLMT_PWM	I			B8						
B9	ZFFB_RDPOLMT_CW	I			B9						
B10	ZFFB_RDPOLMT_ENC-B	O			B10						
B11	ZFFB_RDPOLMT_ENC-A	O			B11						
B12	ZFFB_CRG_MT_BRK_N	I			B12						
B13	ZFFB_CRG_MT_PWM	I			B13						
B14	ZFFB_CRG_MT_CW	I			B14						
B15	ZFFB_CRG_MT_ENC-B	O			B15						
B16	ZFFB_CRG_MT_ENC-A	O			B16						
B17	N.C.	N									
CN295	A1	N.C.	N			CN276	FFB	A1			
	A2	ZFFB_EEX_SN_N	O					A2			
	A3	ZFFB_EEXR/VS_N	O					A3			
	A4	ZFFB_RDPOLMT	O					A4			
	A5	ZFFB_RDPOLMT	O					A5			
	A6	N.C.	N					A6			
	A7	N.C.	N					A7			
	A8	ZFFB_RDRVSN_N	O					A8			
	A9	ZFFB_RDRVSN	O					A9			
	A10	ZFFB_RDRVSN_N	O					A10			
	A11	ZFFB_RDRVSN	O					A11			
	A12	ZFFB_CRG_SN	O					A12			
	A13	ZFFB_MDRVSN_N	O					A13			
	A14	ZFFB_CGRVSN_SNS_N	O					A13			
	B1	N.C.	N					B1			
	B2	GND	G					B2			
	B3	ZFFB_CBUPTEN_ENC-B	O					B3			
B4	ZFFB_CBUPTEN_ENC-A	O			B4						
B5	ZFFB_HHDPTEN_ENC-B	O			B5						
B6	ZFFB_HHDPTEN_ENC-A	O			B6						
B7	GND	G			B7						
B8	ZFFB_CSHPSN2_SNS	O			B8						
B9	ZFFB_CSHPSN1_SNS	O			B9						

DUB Pin Assign Information

Connector (FROM)			Signal Information				Connector (TO)		
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No	
CN805	1	GND	G			CN808	Duplex Invert Sensor	3	
	2	RDRVSN_SNS_N	I					2	
	3	+5V	P					1	
	4	GND	G			CN887	Purge Relay Sensor	3	
	5	CPGRYSN_SNS_N	I					1	
	6	+5V	P					2	
	7	GND	G			CN1084	Fusing Exit Guide Plate Open Sensor	3	
	8	FOUOCSN_SNS_N	I					2	
	9	+5V	P					1	
	10	BUGHDL LED-K	O			CN818	Paper Exit Upper Guide Plate LED	2	
	11	BUGHDL LED-A	O					1	
	12	GND	G			CN1062	Paper Exit Relay Sensor	3	
	13	EEXRYSN_SNS_N	I					2	
	14	+5V	P					1	
	15	GND	G			CN1066	Paper Exit Sensor	3	
	16	EEX_SN_SNS_N	I					2	
	17	+5V	P					1	
	18	GND	G			CN1065	Inverter Exit Sensor	3	
	19	EEXRYSN_SNS_N	I					2	
	20	+5V	P					1	
	21	GND	G			CN1064	Inverter Feed-in Sensor	3	
	22	RRVNSN_SNS_N	I					2	
	23	+5V	P					1	
	24	GND	G			CN1063	Inverter Feed-out Sensor	3	
	25	RRVOUSN_SNS_N	I					2	
	26	+5V	P					1	
	27	GND	G			CN1067	Inverter Junction Gate Home Position Sensor	3	
	28	RCHFSN_SNS	I					2	
	29	+5V	P					1	
	30	EUGOCSWLP_SW2	B			CN1088	Paper Exit Upper Guide Plate Sensor	2	
	31	EUGOCSWLP_SW1	B					1	
	32	EUGOCSWLT_SW2	B			CN1087	Paper Exit Left Guide Plate Sensor	2	
	33	EUGOCSWLT_SW1	B					1	
	34	N.C.	N						
CN806	1	FWBCAMT_A	O			CN1078	Cleaning Web Contact Motor	1	
	2	FWBCAMT_XA	O					2	
	3	FWBCAMT_XB	O					3	
	4	FWBCAMT_B	O					4	
CN807	1	+24V	P			CN824	Cleaning Web Motor	1	
	2	FWBCMT_A	O					2	
	3	FWBCMT_XA	O					3	
	4	FWBCMT_B	O					4	
	5	FWBCMT_XB	O					5	
	6	+24V	P			CN803	Fusing Pressure Roller Intake Fan (Pro)	1	
	7	FFPSFFN_LOK	I		Error			2	
	8	GND	G					3	
	9	FFPSFFN_PWM	O					4	
	10	GND	G			CN809	Cleaning Web End Sensor	3	
	11	FWBEDSN_SNS	I					2	
	12	+5V	P					1	
	13	GND	G			CN1097	Cleaning Web Contact Sensor	3	
	14	FWBCASN_SNS	I					2	
15	+5V	P					1		
16	GND	G			CN1098	Cleaning Web Set Sensor	2		
17	FWBSTSN_SNS_N	I					1		
18	+5V	P					1		
CN808	1	+24V	P			CN816	Paper Transfer Belt Cooling Fan (Front)	3	
	2	TT2CLFNR_LOK	I		Error			2	
	3	GND	G					1	
	4	+24V	P			CN817	Paper Transfer Belt Cooling Fan (Rear)	3	
	5	TT2CLFNC_LOK	I		Error			2	
	6	GND	G					1	
	7	+24V	N						
	8	SUBFN_LOK	N						
	9	GND	N						
	10	SUBFN_PWM	N						

PFB Pin Assign Information

Connector (FROM)			Signal Information				Connector (TO)		
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No	
CN860	1	HDPLSL_OUT2	O			CN840	By-pass Pick-up Solenoid	3	
	2	HDPLSL_OUT1	O					1	
	3	GND	G			CN816	Paper Tray Upper Limit Sensor (Pro)	3	
	4	HTRULSN_SNS	I					2	
	5	+5V	P					1	
	6	GND	G			CN838	By-pass Paper Feed Sensor	3	
	7	HFDFDSN_SNS_N	I					2	
	8	+5V	P					1	
	9	HTRSTSW_SW2	B			CN817	By-pass Tray Set Sensor (Pro)	2	
	10	HTRSTSW_SW1	B					1	
	11	N.C.	N						
	12	N.C.	N						
	13	N.C.	N						
	14	N.C.	N						
	15	MDOCSN_SW2	B			CN878	By-pass Tray Open Sw	2	
	16	MDOCSN_SW1	B					1	
	17	MDO LE LED-K	O			CN1032	By-pass Tray LED	2	
	18	MDO LE LED-A	O					1	
	19	HTRUPMT_OUT2	O			CN849	By-pass Tray Lift Motor (Pro)	2	
	20	HTRUPMT_OUT1	O					1	
	21	GND	G			CN854	By-pass Tray Lower Limit Sensor (Pro)	3	
	22	HTRLLSN_SNS	I					2	
	23	+5V	P					1	
	24	HDMLSN_SW2	B			CN843	By-pass Paper Width Sensor	7	
	25	HDMLSN_SW1	B					6	
	26	HDMLSN_COM1	B					5	
	27	HDMLSN_COM	B					4	
	28	HDMLSN_SW4	B					3	
	29	HDMLSN_SW5	B					2	
	30	HDMLSN_SW3	B					1	
	31	GND	G			CN842	By-pass Paper Length Sensor	3	
	32	HDLSLSN_SNS	I					2	
	33	+5V	P					1	
	34	GND	G			CN839	By-pass Tray Paper End Sensor (Pro)	3	
	35	HDPSFN_SNS	I					2	
	36	+5V	P					1	

PFB Pin Assign Information

Connector (FROM)			Signal Information				Connector (TO)		
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No	
CN821	A1	MHDRYMT_ENC-A	I			CN828	Relay Motor	8	
	A2	MHDRYMT_ENC-B	I					7	
	A3	+VCC	P					6	
	A4	MHDRYMT_CW	O		CW			5	
	A5	MHDRYMT_PWM	O					4	
	A6	MHDRYMT_BRK_N	O		Brake On			3	
	A7	GND	G					2	
	A8	+24V	P					1	
	A9	HFDFMT_ENC-A	I			CN1031	By-pass Feed Motor	8	
	A10	HFDFMT_ENC-B	I					7	
	A11	+VCC	P					6	
	A12	HFDFMT_CW	O		CW			5	
	A13	HFDFMT_PWM	O					4	
	A14	HFDFMT_BRK_N	O		Brake On			3	
	A15	GND	G					2	
	A16	+24V	P					1	
	B1	CF1_MT_ENC-A	I			CN820	1st Paper Feed Motor	8	
	B2	CF1_MT_ENC-B	I					7	
	B3	+VCC	P					6	
	B4	CF1_MT_CW	O		CW			5	
	B5	CF1_MT_PWM	O					4	
	B6	CF1_MT_BRK_N	O		Brake On			3	
	B7	GND	G					2	
	B8	+24V	P					1	
	B9	CH1_MT_ENC-A	I			CN821	1st Transport Motor	8	
	B10	CH1_MT_ENC-B	I					7	
	B11	+VCC	P					6	
	B12	CH1_MT_CW	O		CW			5	
	B13	CH1_MT_PWM	O					4	
	B14	CH1_MT_BRK_N	O		Brake On			3	
	B15	GND	G					2	
	B16	+24V	P					1	
	CN822	1	RDRVMT_ENC-A	I			CN886	Duplex Inverter Motor	8
		2	RDRVMT_ENC-B	I					7
3		+VCC	P					6	
4		RDRVMT_CW	O		CW			5	
5		RDRVMT_PWM	O					4	
6		RDRVMT_BRK_N	O		Brake On			3	
7		GND	G					2	
8		+24V	P					1	
CN823		9	CH2_MT_ENC-A	I			CN823	Vertical Transport Motor	8
		10	CH2_MT_ENC-B	I					7
		11	+VCC	P					6
		12	CH2_MT_CW	O		CW			5
		13	CH2_MT_PWM	O					4
		14	CH2_MT_BRK_N	O		Brake On			3
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN824	9	CH3_MT_ENC-A	I			CN824	2nd Paper Feed Motor	8	
	10	CH3_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH3_MT_CW	O		CW			5	
	13	CH3_MT_PWM	O					4	
	14	CH3_MT_BRK_N	O		Brake On			3	
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN825	9	CH4_MT_ENC-A	I			CN825	3rd Transport Motor	8	
	10	CH4_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH4_MT_CW	O		CW			5	
	13	CH4_MT_PWM	O					4	
	14	CH4_MT_BRK_N	O		Brake On			3	
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN826	9	CH5_MT_ENC-A	I			CN826	2nd Transport Motor (MP)	8	
	10	CH5_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH5_MT_CW	O		CW			5	
	13	CH5_MT_PWM	O					4	
	14	CH5_MT_BRK_N	O		Brake On			3	
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN827	9	CH6_MT_ENC-A	I			CN827	3rd Transport Motor	8	
	10	CH6_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH6_MT_CW	O		CW			5	
	13	CH6_MT_PWM	O					4	
	14	CH6_MT_BRK_N	O		Brake On			3	
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN828	9	CH7_MT_ENC-A	I			CN828	3rd Transport Motor	8	
	10	CH7_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH7_MT_CW	O		CW			5	
	13	CH7_MT_PWM	O					4	
	14	CH7_MT_BRK_N	O		Brake On			3	
	15	GND	G					2	
	16	+24V	P					1	
	17	N.C.	N						
	18	N.C.	N						
	19	N.C.	N						
	20	N.C.	N						
	21	N.C.	N						
	22	N.C.	N						
23	N.C.	N							
CN829	9	CH8_MT_ENC-A	I			CN829	3rd Transport Motor	8	
	10	CH8_MT_ENC-B	I					7	
	11	+VCC	P					6	
	12	CH8_MT_CW	O		CW			5	
	13	CH8_MT_PWM	O					4	

PFB Pin Assign Information

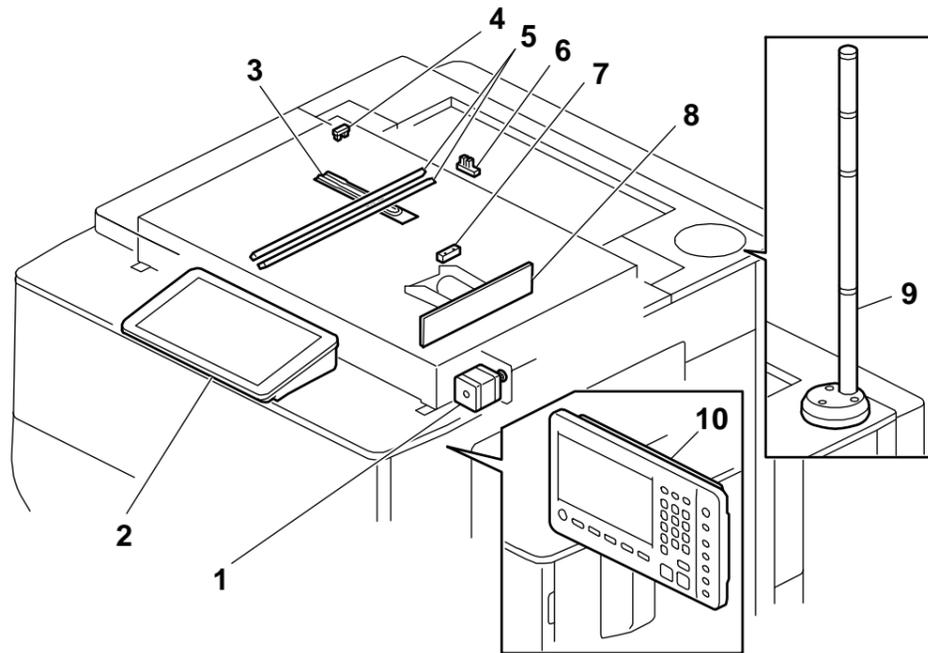
Connector (FROM)				Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No			
CN271	1	CTT_SST1_SET_N	I		Set	CN862	Tandem Tray Detection Mechanism	1			
	2	GND	G					2			
	3	GND	G			CN863	Rear Fence Home Position Sensor	3			
	4	CMV/HPSN_SNS	I					2			
	5	+5V	P					1			
	6	GND	G			CN864	Rear Fence Return Sensor	3			
	7	CMV/PSN_SNS	I					2			
	8	+5V	P					1			
	9	GND	G			CN865	Left Tray Paper Sensor	3			
	10	CLTYESN_SNS	I					2			
	11	+5V	P					1			
	12	N.C.	N								
	CN272	1	Bridge_BDCCVMT_CLK	O			CN1133	Bridge Unit	1		
2		N.C.	N					2			
3		Bridge_BDCCVMT_ENB	O					3			
4		Bridge_BDCCVMT_RST	O					4			
5		N.C.	N					5			
6		Bridge_BDCCVMT_CLK	O					6			
7		Bridge_BDCCVMT_FR	O					7			
8		Bridge_BDCCVMT_ENB	O					8			
9		N.C.	N					9			
10		N.C.	N					10			
11		N.C.	N								
12		N.C.	N								
CN273		1	Bridge_BDCCVMT_RST	O			CN1134	Bridge Unit	1		
	2	N.C.	N					2			
	3	Bridge_BDCCVMT_CLK	O					3			
	4	Bridge_BDCCVMT_FR	O					4			
	5	Bridge_BDCCVMT_ENB	O					5			
	6	N.C.	N					6			
	7	Bridge_BDCCVMT_RST	O					7			
	8	N.C.	N					8			
	9	Bridge_BDCCVMT_CLK	O					9			
	10	Bridge_BDCCVMT_FR	O					10			
	11	Bridge_BDCCVMT_ENB	O					11			
	12	N.C.	N					12			
	CN274	1	Bridge_BDCCVMT_RST	O			CN294	DUB	1		
2		N.C.	N					2			
3		Bridge_BDCCVMT_CLK	O					3			
4		Bridge_BDCCVMT_FR	O					4			
5		Bridge_BDCCVMT_ENB	O					5			
6		N.C.	N					6			
7		Bridge_BDCCVMT_RST	O					7			
8		N.C.	N					8			
9		Bridge_BDCCVMT_CLK	O					9			
10		Bridge_BDCCVMT_FR	O					10			
11		Bridge_BDCCVMT_ENB	O					11			
12		N.C.	N					12			
CN275		1	ZFPB_DRV1STN	I			CN294	DUB	1		
	2	ZFPB_EXRVMT_BRK_N	O					2			
	3	ZFPB_EXRVMT_PWM	O					3			
	4	ZFPB_EXRVMT_CW	O					4			
	5	ZFPB_EXRVMT_ENC-B	I					5			
	6	ZFPB_EXRVMT_ENC-A	I					6			
	7	ZFPB_RRV1NMT_BRK_N	O					7			
	8	ZFPB_RRV1NMT_PWM	O					8			
	9	ZFPB_RRV1NMT_CW	O					9			
	10	ZFPB_RRV1NMT_ENC-B	I					10			
	11	ZFPB_RRV1NMT_ENC-A	I					11			
	12	ZFPB_EXX_MT_BRK_N	O					12			
	13	ZFPB_EXX_MT_PWM	O					13			
14	ZFPB_EXX_MT_CW	O					14				
15	ZFPB_EXX_MT_ENC-B	I					15				
16	ZFPB_EXX_MT_ENC-A	I					16				
17	ZFPB_CCTPNSN_SNS_N	I					17				
18	ZFPB_RDPOUMT_BRK	O					18				
19	ZFPB_RDPOUMT_PWM	O					19				
20	ZFPB_RDPOUMT_CW	O					20				
21	ZFPB_RDPOUMT_ENC-B	I					21				
22	ZFPB_RDPOUMT_ENC-A	I					22				
23	ZFPB_RDPOUMT_BRK_N	O					23				
24	ZFPB_RDPOUMT_PWM	O					24				
25	ZFPB_RDPOUMT_CW	O					25				
26	ZFPB_RDPOUMT_ENC-B	I					26				
27	ZFPB_RDPOUMT_ENC-A	I					27				
28	ZFPB_CRG_MT_BRK_N	O					28				
29	ZFPB_CRG_MT_PWM	O					29				
30	ZFPB_CRG_MT_CW	O					30				
31	ZFPB_CRG_MT_ENC-B	I					31				
32	ZFPB_CRG_MT_ENC-A	I					32				
33	GND	G					33				
34	GND	G					34				
35	ZFPB_CSR_MT1_CLK	O					35				
36	ZFPB_CSR_MT1_FR	O					36				
37	ZFPB_CSR_MT1_ENB	O					37				
38	ZFPB_CSR_MT1_CRT	O					38				
39	ZFPB_CSR_MT2_CLK	O					39				
40	ZFPB_CSR_MT2_FR	O					40				
41	ZFPB_CSR_MT2_ENB	O					41				
42	ZFPB_CSR_MT2_CRT	O					42				
43	ZFPB_CSR_MT2_CRT	O					43				
44	ZFPB_CSR_MT2_CRT	O					44				
45	ZFPB_CSR_MT2_CRT	O					45				
46	ZFPB_CSR_MT2_CRT	O					46				
47	ZFPB_CSR_MT2_CRT	O					47				
48	ZFPB_CSR_MT2_CRT	O					48				
49	ZFPB_CSR_MT2_CRT	O					49				
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72	ZFPB_CSR_MT2_CRT	O					72				
73	ZFPB_CSR_MT2_CRT	O					73				
74	ZFPB_CSR_MT2_CRT	O					74				
75	ZFPB_CSR_MT2_CRT	O					75				
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94	ZFPB_CSR_MT2_CRT	O					94				
95	ZFPB_CSR_MT2_CRT	O					95				
96	ZFPB_CSR_MT2_CRT	O					96				
97	ZFPB_CSR_MT2_CRT	O					97				
98	ZFPB_CSR_MT2_CRT	O					98				
99	ZFPB_CSR_MT2_CRT	O					99				
100	ZFPB_CSR_MT2_CRT	O					100				

PFB Pin Assign Information

Connector (FROM)				Signal Information				Connector (TO)			
No	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No			
CN277	1	+5V	P			CN877	MKB (Option)	13			
	2	ZMKB_XKEYCD_SET_O	O					12			
	3	ZMKB_XKEYCD_SIZE1	O					11			
	4	ZMKB_XKEYCD_SIZE2	O					10			
	5	ZMKB_XKEYCD_SIZE3	O					9			
	6	ZMKB_XKEYCD_SIZE4	O					8			
	7	ZMKB_XKEYCD_MODE1	O					7			

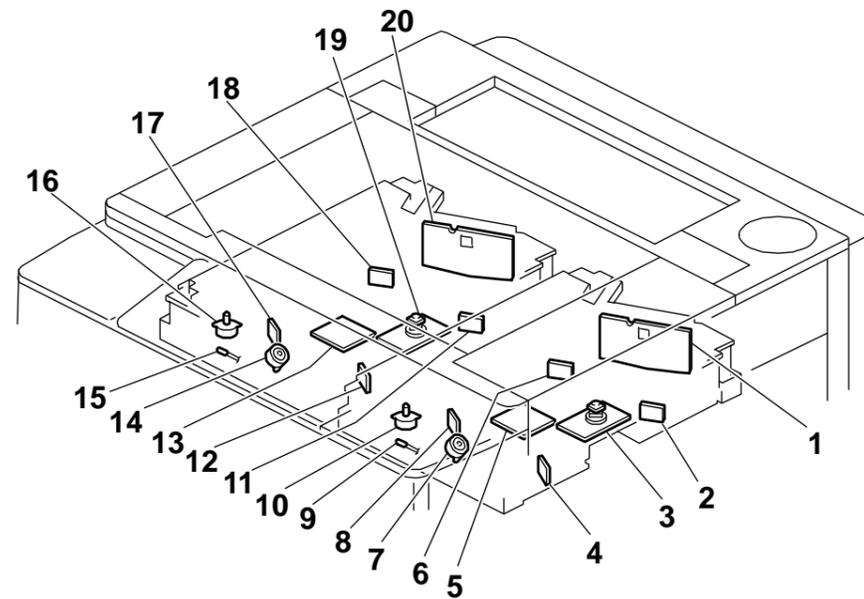
MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (1/8)

Fig.1



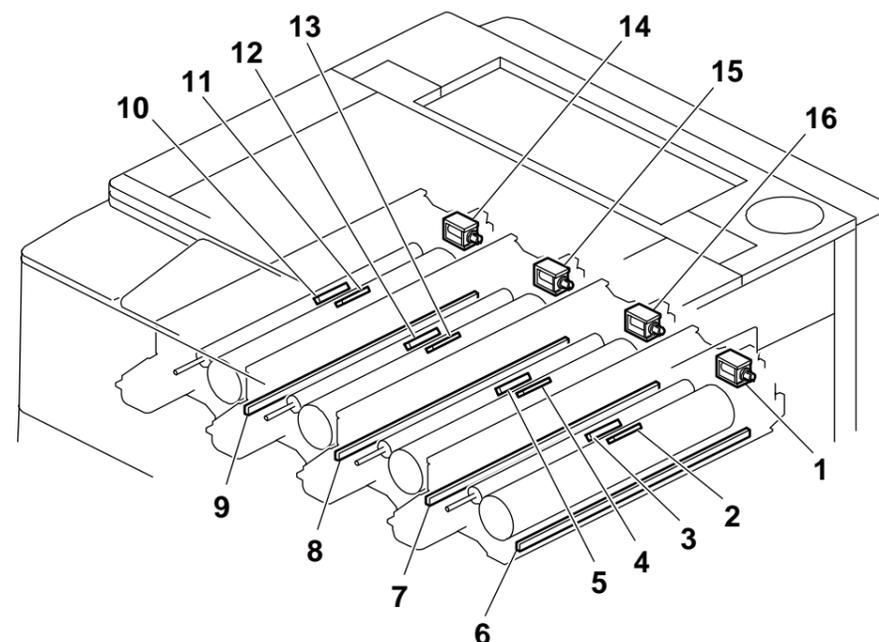
d257c9920.wmf

Fig.2



d257c9922.wmf

Fig.3



d257c9927.wmf

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB15	Fig.1-8	SBU	B3	2/5
PCB16	Fig.2-5	Polygon Motor Control Board (C/K)	F4	2/5
PCB17	Fig.2-1	LD Board (C/K)	G4	2/5
PCB18	Fig.2-8	Laser Synchronization Detector (C) [Front]	F3	2/5
PCB19	Fig.2-6	Laser Synchronization Detector (C) [Rear edge]	F3	2/5
PCB20	Fig.2-4	Laser Synchronization Detector (K) [Front]	G3	2/5
PCB21	Fig.2-2	Laser Synchronization Detector (K) [Rear edge]	G3	2/5
PCB22	Fig.2-20	LD Board (Y/M)	G4	2/5
PCB23	Fig.2-13	Polygon Motor Control Board (Y/M)	I4	2/5
PCB24	Fig.2-11	Laser Synchronization Detector (M) [Rear edge]	G3	2/5
PCB25	Fig.2-12	Laser Synchronization Detector (M) [Front]	H3	2/5
PCB26	Fig.2-18	Laser Synchronization Detector (Y) [Rear edge]	H3	2/5
PCB27	Fig.2-17	Laser Synchronization Detector (Y) [Front]	H3	2/5
Sensors				
S24	Fig.1-4	Scanner Home Position Sensor	B2	2/5
S25,26	Fig.1-7	Original Length Sensor 1/2	C3	2/5
S27	Fig.1-6	DF Position Sensor	J7	2/5
S42	Fig.3-10	Potential Sensor (Y)	I2	3/5
S43	Fig.3-12	Potential Sensor (M)	J2	3/5
S44	Fig.3-5	Potential Sensor (C)	J2	3/5
S45	Fig.3-3	Potential Sensor (K)	J2	3/5
S46	Fig.3-11	TD Sensor (Y)	A8	3/5
S47	Fig.3-13	TD Sensor (M)	C8	3/5
S48	Fig.3-4	TD Sensor (C)	D8	3/5
S49	Fig.3-2	TD Sensor (K)	F8	3/5
Motors				
M23	Fig.1-1	Scanner Drive Motor	C3	2/5
M24	Fig.2-10	Image Skew Correction Motor (C)	D3	2/5
M25	Fig.2-7	Image Skew Correction Motor (K)	E3	2/5
M26	Fig.2-3	Polygon Motor (C/K)	F3	2/5
M27	Fig.2-19	Polygon Motor (Y/M)	I3	2/5
M28	Fig.2-16	Image Skew Correction Motor (Y)	I3	2/5
M29	Fig.2-14	Image Skew Correction Motor (M)	J3	2/5
LEDs				
LED1,2	Fig.1-5	Exposure Lamp 1/2	A4,B4	2/5
Lamps				
L4	Fig.3-6	Quenching Lamp (K)	F7	3/5
L3	Fig.3-7	Quenching Lamp (C)	E7	3/5
L2	Fig.3-8	Quenching Lamp (M)	C7	3/5
L1	Fig.3-9	Quenching Lamp (Y)	B7	3/5
Heater				
H5	Fig.1-3	Scanner Anti-Condensation Heater	F10	3/5
Thermistors				
TH2	Fig.2-9	Thermistor (K)	E3	2/5
TH3	Fig.2-15	Thermistor (M)	J3	2/5
Solenoids				
SOL1	Fig.3-14	Charge Roller Cleaning Roller Lift Solenoid (Y)	I12	1/5
SOL2	Fig.3-15	Charge Roller Cleaning Roller Lift Solenoid (M)	J12	1/5
SOL3	Fig.3-16	Charge Roller Cleaning Roller Lift Solenoid (C)	J12	1/5
SOL4	Fig.3-1	Charge Roller Cleaning Roller Lift Solenoid (K)	J12	1/5
Others				
OT5	Fig.1-10	Operation Panel ¹	B8	2/5
OT6	Fig.1-2	Operation Panel ²	G8	2/5
OH7	Fig.1-9	Operator Call Light ¹	D7, G7	2/5

*1: For Pro C5200S/C5210S

*2: For MP C6503/C8003

MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (2/8)

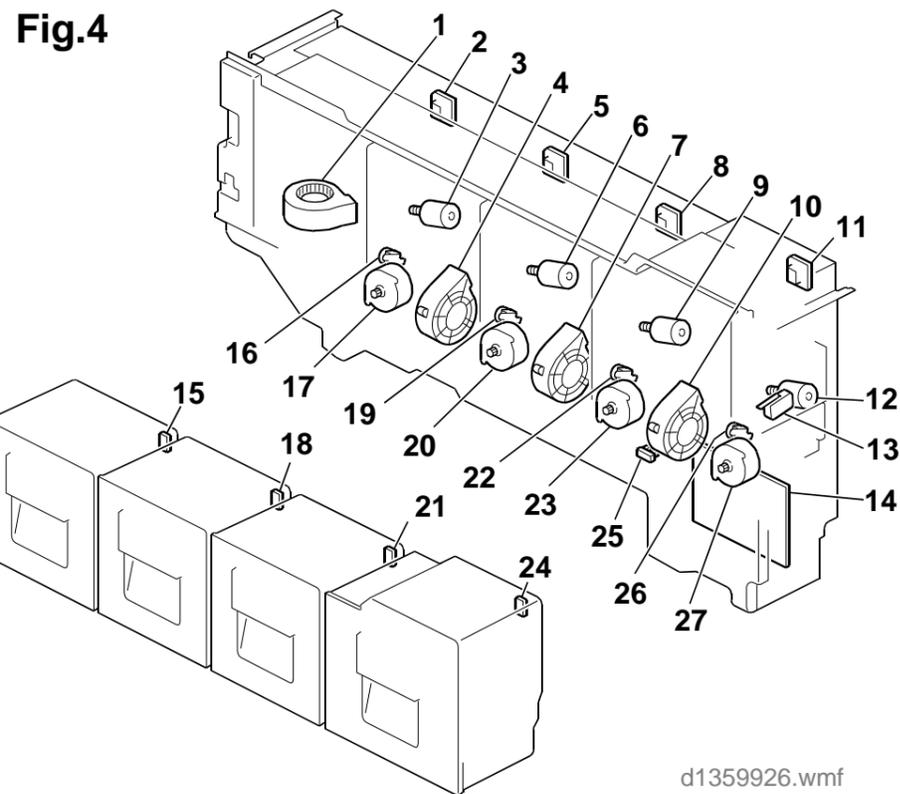


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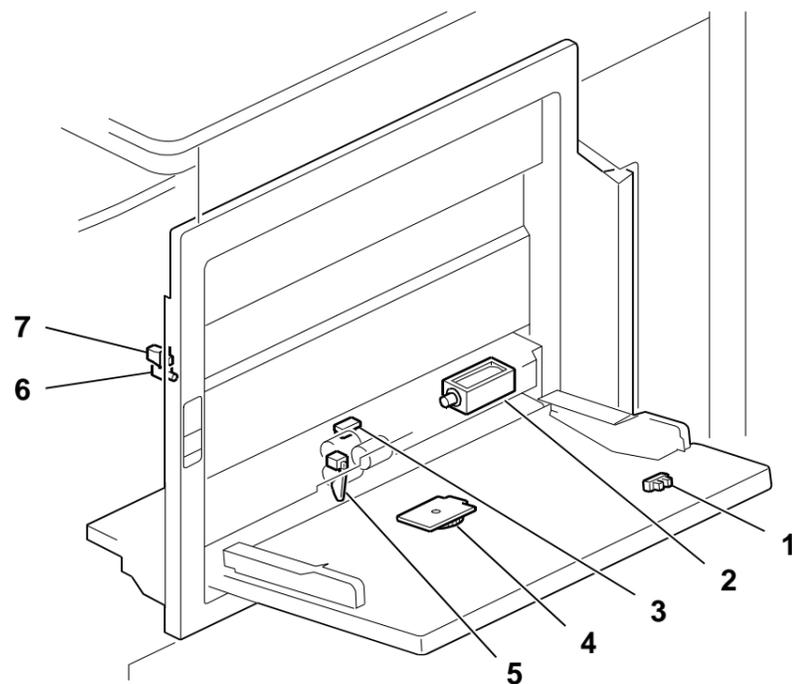
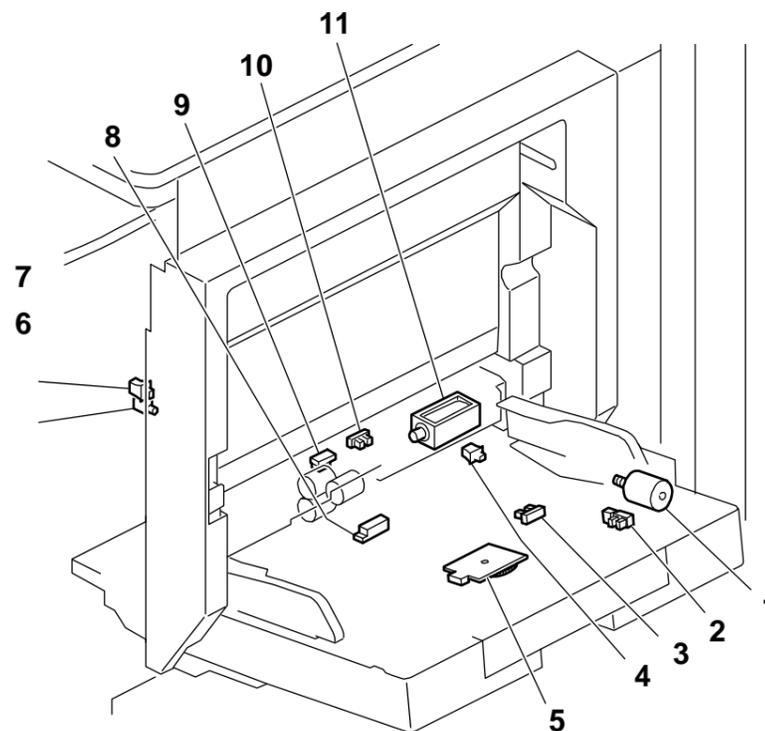


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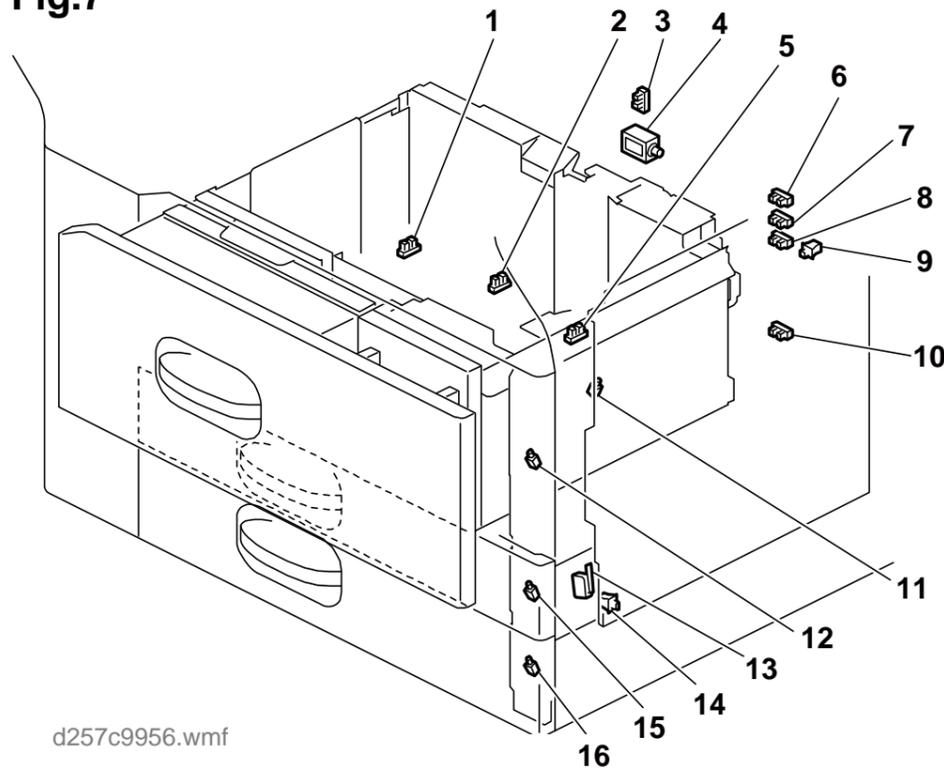


Symbol	Index No.	Description	P to P	Page
PCBs				
PCB5	Fig.4-2	ID Chip Connector Board (Y)	F5	1/5
PCB6	Fig.4-5	ID Chip Connector Board (M)	F5	1/5
PCB7	Fig.4-8	ID Chip Connector Board (C)	G5	1/5
PCB8	Fig.4-11	ID Chip Connector Board (K)	H5	1/5
PCB9	Fig.4-14	Toner Supply Board (TSB)	H7	1/5
Sensors				
S3	Fig.4-16	Toner End Sensor (Y)	F5	1/5
S4	Fig.4-19	Toner End Sensor (M)	G5	1/5
S5	Fig.4-22	Toner End Sensor (C)	G5	1/5
S6	Fig.4-26	Toner End Sensor (K)	H5	1/5
S7	Fig.4-25	ITB Cleaning Unit Set Sensor	H6	1/5
S107	Fig.6-3	Bypass Tray Lower Limit Sensor ^{*1}	G8	5/5
S108	Fig.5-5 Fig.6-8	Bypass Tray Paper End Sensor	H10	5/5
S109	Fig.5-1 Fig.6-2	Bypass Paper Length Sensor	H8	5/5
S110	Fig.5-4 Fig.6-5	Bypass Paper Width Sensor	H8	5/5
S111	Fig.5-3 Fig.6-9	Bypass Paper Feed Sensor	I8	5/5
S112	Fig.6-4	Bypass Tray Set Sensor ^{*1}	J8	5/5
S113	Fig.6-10	Bypass Tray Upper Limit Sensor ^{*1}	J8	5/5
Motors				
M3	Fig.4-3	Toner Supply Motor (Y)	E8	1/5
M4	Fig.4-6	Toner Supply Motor (M)	F8	1/5
M5	Fig.4-9	Toner Supply Motor (C)	G8	1/5
M6	Fig.4-12	Toner Supply Motor (K)	G8	1/5
M7	Fig.4-17	Sub Hopper Motor (Y)	H8	1/5
M8	Fig.4-20	Sub Hopper Motor (M)	H8	1/5
M9	Fig.4-23	Sub Hopper Motor (C)	I8	1/5
M10	Fig.4-27	Sub Hopper Motor (K)	I8	1/5
M52	Fig.6-1	Bypass Tray Lift Motor ^{*1}	G8	5/5
Fan Motors				
FAN2	Fig.4-1	Development Intake Fan (Y)	F8	1/5
FAN3	Fig.4-4	Development Intake Fan (M)	F8	1/5
FAN4	Fig.4-7	Development Intake Fan (C)	G8	1/5
FAN5	Fig.4-10	Development Intake Fan (K)	H8	1/5
LEDs				
LED3	Fig.5-6 Fig.6-6	Bypass Tray LED	I8	2/5
Solenoids				
SOL11	Fig.6-11 Fig.5-2	Bypass Pick-up Solenoid	I8	5/5
Switches				
SW1	Fig.4-13	Toner Supply Unit Front Cover Switch	H4	1/5
SW2	Fig.5-7 Fig.6-7	Bypass Tray Open Switch	I8	2/5
Others				
OT1	Fig.4-15	ID Chip (Y)	F4	1/5
OT2	Fig.4-18	ID Chip (M)	G4	1/5
OT3	Fig.4-21	ID Chip (C)	G4	1/5
OT4	Fig.4-24	ID Chip (K)	H4	1/5

*1: For Pro C5200S/C5210S

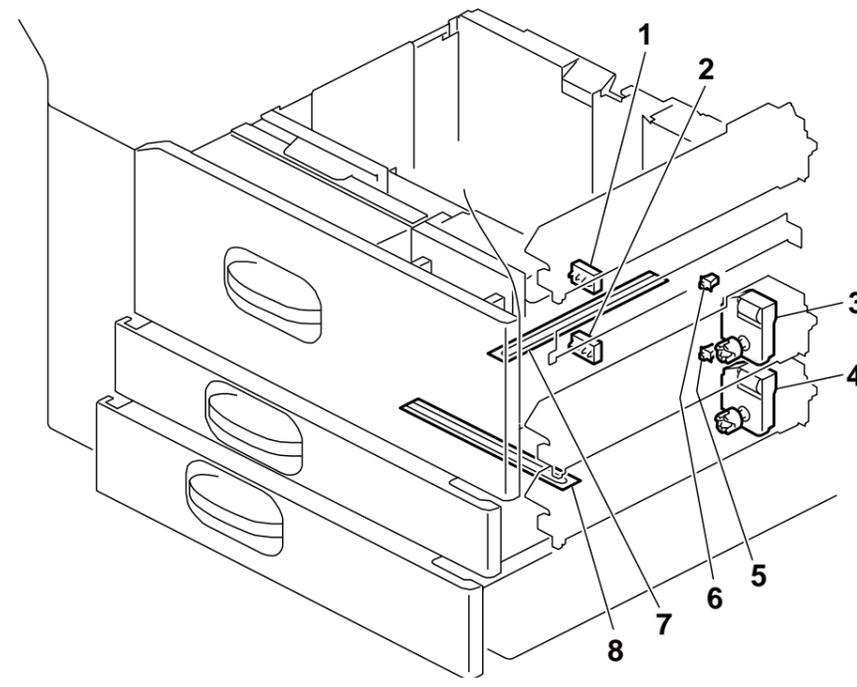
MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (3/8)

Fig.7



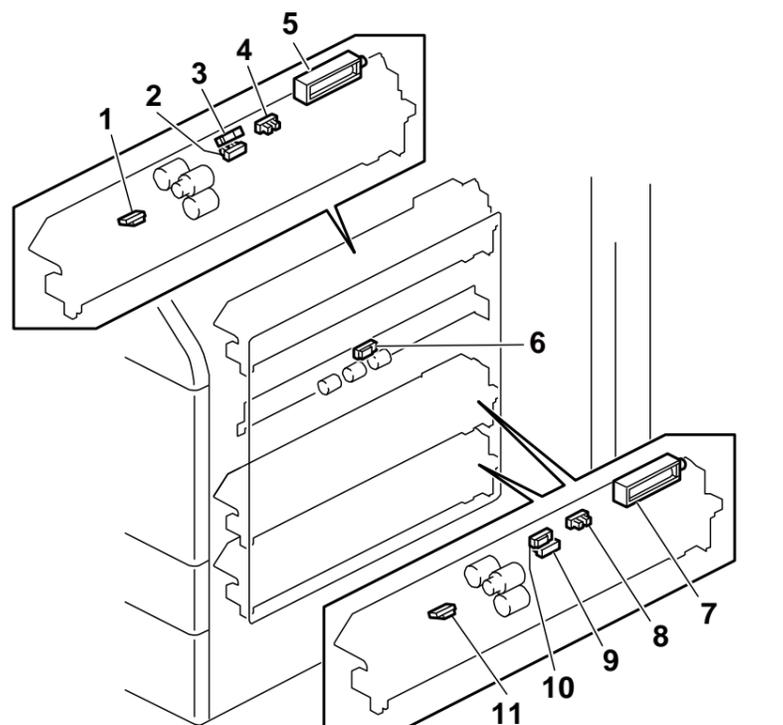
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Fig.8



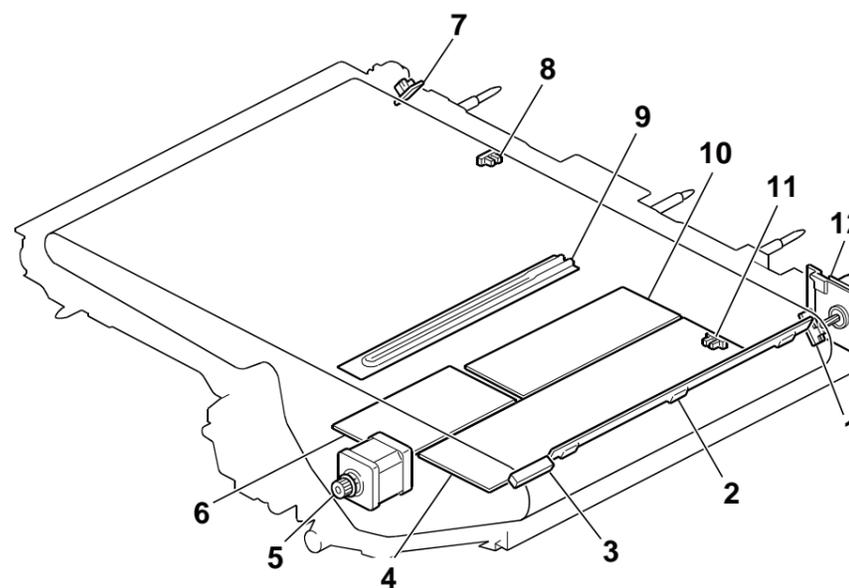
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Fig.9



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Fig.10



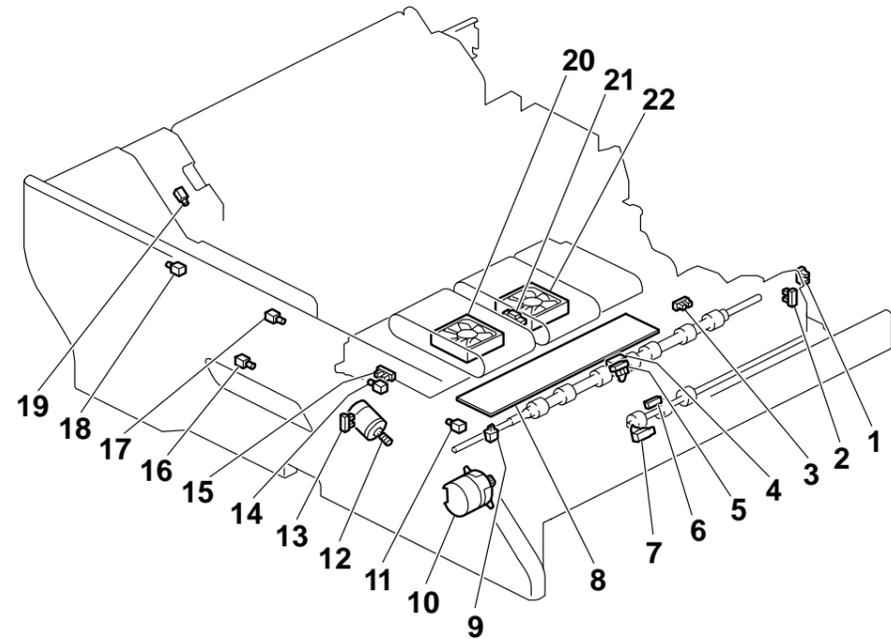
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Symbol	Index No.	Description	P to P	Page
PCBs				
PCB2	Fig.10-4	Transfer Power Pack/Separation Power Pack	D3	1/5
PCB3	Fig.10-10	AC Transfer Power Pack ^{*1}	E4	1/5
PCB4	Fig.10-6	TDRB	C7	1/5
Sensors				
S1	Fig.10-3	ITB Home Position Sensor	C5	1/5
S2	Fig.10-2	ID/MUSIC Sensors	C5	1/5
S8	Fig.10-1	ITB Drive Shaft Encoder Sensor	B8	1/5
S9	Fig.10-7	ITB Driven Shaft Encoder Sensor	C8	1/5
S10	Fig.10-8	ITB Lift (YMC) Sensor	C8	1/5
S11	Fig.10-11	PTR Separation Sensor	C8	1/5
S88	Fig.7-14	Vertical Transport Door Open Sensor	F3	5/5
S89	Fig.9-8	Paper Tray Upper Limit Sensor (Tray 2)	F3	5/5
S90	Fig.9-9	Paper End Sensor (Tray 2)	F3	5/5
S91	Fig.9-10	Transport Sensor (Tray 2)	H3	5/5
S92	Fig.9-11	Paper Feed Sensor (Tray 2)	H3	5/5
S93	Fig.9-8	Paper Tray Upper Limit Sensor (Tray 3)	I3	5/5
S94	Fig.9-9	Paper End Sensor (Tray 3)	I3	5/5
S95	Fig.9-10	Transport Sensor (Tray 3)	I3	5/5
S96	Fig.9-11	Paper Feed Sensor (Tray 3)	J3	5/5
S101	Fig.9-6	Vertical Transport Sensor	D6	5/5
S102	Fig.7-1	Rear Fence Home Position Sensor	B9	5/5
S103	Fig.7-5	Rear Fence Return Sensor	B10	5/5
S104	Fig.7-2	Left Tray Paper Sensor	B9	5/5
S105	Fig.7-3	Rear End Fence Closed Sensor	C10	5/5
S107	Fig.7-10	Tray Lower Limit Sensor	B14	5/5
S115	Fig.8-6	2nd Tray Paper Tray Set Sensor	C13	5/5
S116	Fig.8-5	3rd Tray Paper Tray Set Sensor	C13	5/5
S118	Fig.7-6	Paper Height Sensor 1	C14	5/5
S119	Fig.7-7	Paper Height Sensor 2	C14	5/5
S120	Fig.7-8	Paper Height Sensor 3	C14	5/5
S121	Fig.7-9	Right Tray Set Sensor	D14	5/5
S122	Fig.8-1	2nd Tray Paper Size Sensor	D13	5/5
S123	Fig.8-2	3rd Tray Paper Size Sensor	F13	5/5
S125	Fig.9-1	Paper Feed Sensor (Tray 1)	I15	5/5
S126	Fig.9-3	Transport Sensor (Tray 1)	I15	5/5
S127	Fig.9-2	Paper End Sensor (Tray 1)	J15	5/5
S128	Fig.9-4	Paper Tray Upper Limit Sensor (Tray 1)	J15	5/5
Motors				
M1	Fig.10-5	PTR Separation Motor	B6	1/5
M2	Fig.10-12	ITB Motor	B8	1/5
M58	Fig.8-3	2nd Tray Lift Motor	C13	5/5
M59	Fig.8-4	3rd Tray Lift Motor	C13	5/5
LEDs				
LED10	Fig.7-12	1st Tray LED ^{*1}	B3	5/5
LED12	Fig.7-15	2nd Tray LED ^{*1}	B3	5/5
LED13	Fig.7-16	3rd Tray LED ^{*1}	C3	5/5
LED14	Fig.7-11	Vertical Transport LED	C3	5/5
Heaters				
H1	Fig.10-9	Anti-condensation Heater	B5	1/5
H2	Fig.8-8	Upper Tray Heater	E10	3/5
H3	Fig.8-7	Lower Tray Heater	E10	3/5
Solenoids				
SOL7	Fig.9-7	Pick-up Solenoid (Tray 2)	H3	5/5
SOL8	Fig.9-7	Pick-up Solenoid (Tray 3)	J3	5/5
SOL10	Fig.7-4	End Fence Rear Solenoid	C10	5/5
SOL13	Fig.9-5	Pick-up Solenoid (Tray 1)	I15	5/5
Switch				
SW11	Fig.7-13	Vertical Transport Door Set Switch	E3	5/5

*1: Pro C5200S/C5210S

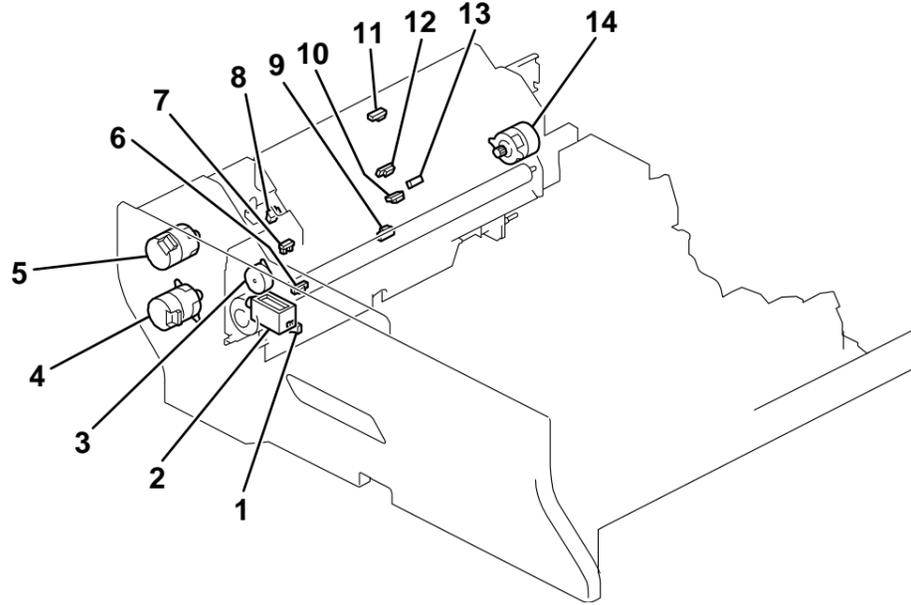
MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (4/8)

Fig.11



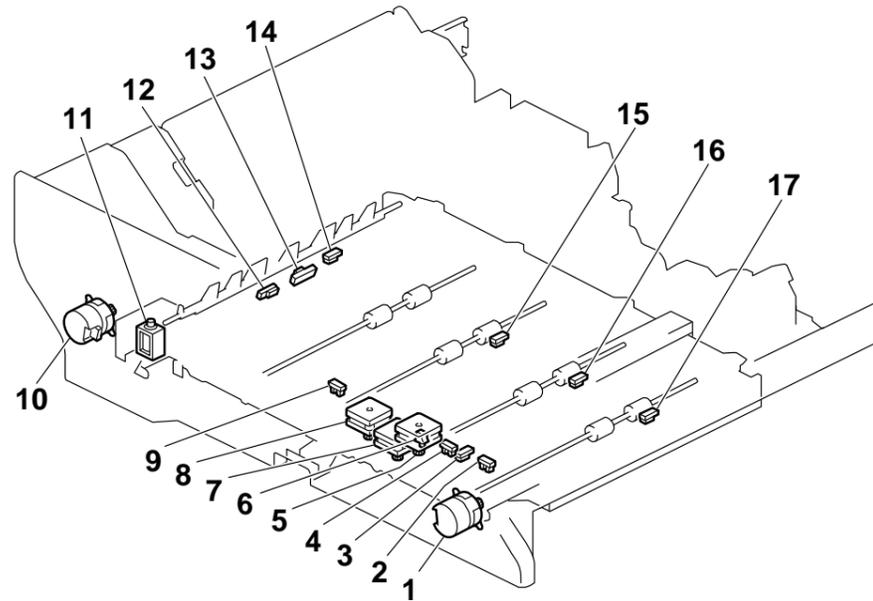
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Fig.12



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Fig.13



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Symbol	Index No.	Description	P to P	Page
PCB				
PCB37	Fig.11-8	DUB	C6, E12	4/5
Sensors				
S56	Fig.11-1	Drawer Set Sensor 1	E4	4/5
S57	Fig.11-2	Drawer Set Sensor 2	E4	4/5
S58	Fig.13-3	Edge Detection Sensor	H4	4/5
S59	Fig.13-16	Duplex Unit Sensor 4	H5	4/5
S60	Fig.13-17	Duplex Exit Sensor	I4	4/5
S61	Fig.11-3	Drawer Unit Lock Sensor	I5	4/5
S62	Fig.11-21	PTB Unit Set Sensor	G8	4/5
S63	Fig.11-15	PTB Sensor	G8	4/5
S64	Fig.13-15	Duplex Unit Entrance Sensor 3	H7	4/5
S65	Fig.13-14	Duplex Unit Entrance Sensor	I7	4/5
S66	Fig.11-4	Registration Sensor	B11	4/5
S67	Fig.11-5	Bypass Tray Paper Type Sensor	C11	4/5
S68	Fig.11-6	Relay Sensor	C11	4/5
S69	Fig.11-7	Paper Type Sensor	D11	4/5
S70	Fig.13-13	Duplex Invert Sensor	D11	4/5
S71	Fig.13-12	Purge Relay Sensor	D11	4/5
S72	Fig.12-6	Fusing Exit Guide Plate Open Sensor	E11	4/5
S73	Fig.12-13	Paper Exit Relay Sensor	F11	4/5
S74	Fig.12-11	Paper Exit Sensor	F11	4/5
S75	Fig.12-9	Inverter Exit Sensor	G11	4/5
S76	Fig.12-12	Inverter Feed-out Sensor	G11	4/5
S77	Fig.12-7	Inverter Junction Gate Home Position Sensor	H11	4/5
S78	Fig.12-1	Paper Exit Left Guide Plate Sensor	H11	4/5
S79	Fig.12-8	Paper Exit Upper Guide Plate Sensor	I11	4/5
S80	Fig.12-10	Inverter Feed-in Sensor	I11	4/5
S81	Fig.11-13	Drawer Unit Flapper Sensor	D14	4/5
S82	Fig.13-2	Duplex Transport Home Position Sensor 1	D14	4/5
S83	Fig.13-6	Horizontal Feed Guide Plate Open Sensor	E14	4/5
S84	Fig.13-9	Duplex Transport Home Position Sensor 2	F14	4/5
Motors				
M38	Fig.13-5	Edge Detection Sensor Shift Motor	C8	4/5
M39	Fig.13-7	Duplex Transport Shift Motor 2	C7	4/5
M40	Fig.13-8	Duplex Transport Shift Motor 1	C8	4/5
M41	Fig.12-3	Inverter Junction Gate Motor	F8	4/5
M42	Fig.12-14	Exit Inverter Motor	F7	4/5
M43	Fig.11-10	Registration Motor	I11	4/5
M44	Fig.11-12	Drawer Unit Lock Motor	J11	4/5
M45	Fig.12-5	Exit Motor	B13	4/5
M46	Fig.12-4	Duplex Inverter Entrance Motor	B13	4/5
M47	Fig.13-1	Duplex Exit Motor	B13	4/5
M48	Fig.13-10	Duplex Transport Motor	C13	4/5
Fan Motors				
FAN28	Fig.11-22	PTB Fan (Rear)	G8	4/5
FAN29	Fig.11-20	PTB Fan (Front)	H8	4/5
LEDs				
LED4	Fig.11-18	Paper Exit Upper Guide Plate Grip LED	E11	4/5
LED5	Fig.11-11	Upper Guide Plate LED	C15	4/5
LED6	Fig.11-19	Paper Exit Upper Guide Plate LED	C15	4/5
LED7	Fig.11-17	Inverter Left Guide Plate LED	C15	4/5
LED8	Fig.11-16	Drawer Unit LED	D14	4/5
LED9	Fig.11-14	Fusing Guide Plate LED	E14	4/5
Solenoids				
SOL5	Fig.13-11	Duplex Invert Solenoid	E7	4/5
SOL6	Fig.12-2	Duplex Inverter Solenoid	E8	4/5
Switches				
SW7	Fig.11-9	Upper Guide Plate Open Switch	B11	4/5
SW8	Fig.13-4	Sensor Shift Home Position Switch	F14	4/5

MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (5/8)

Fig.14

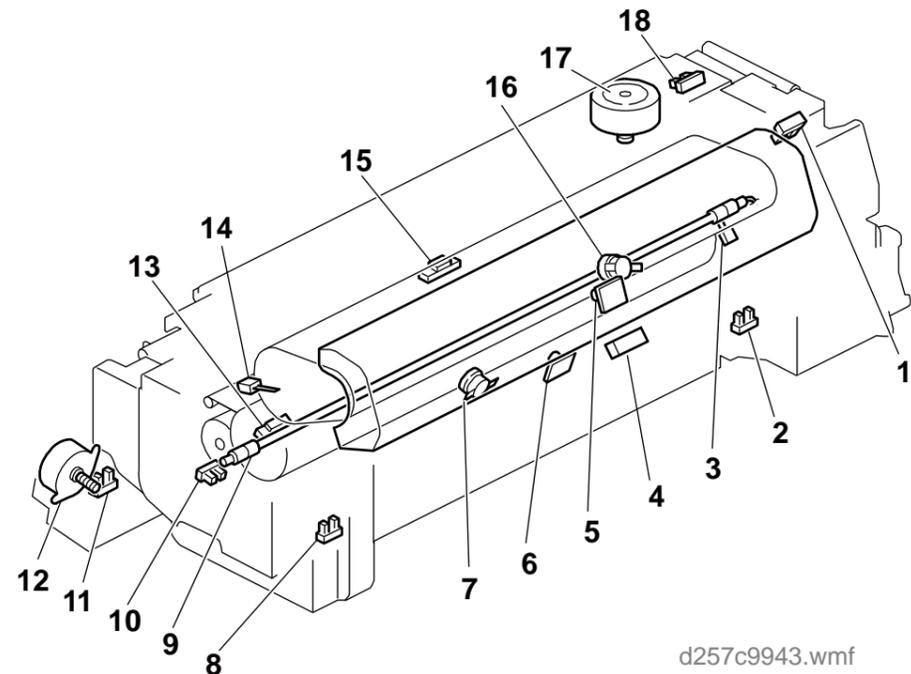


Fig.15

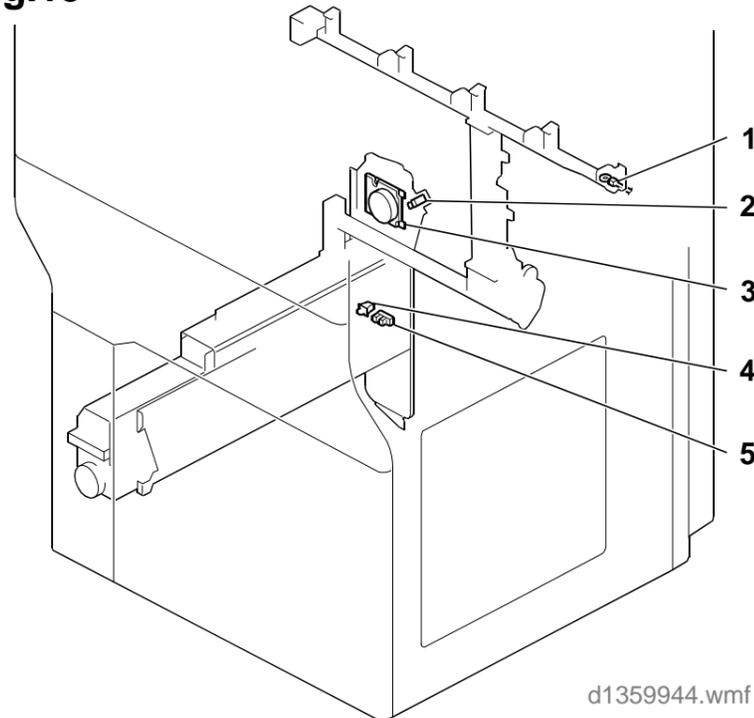
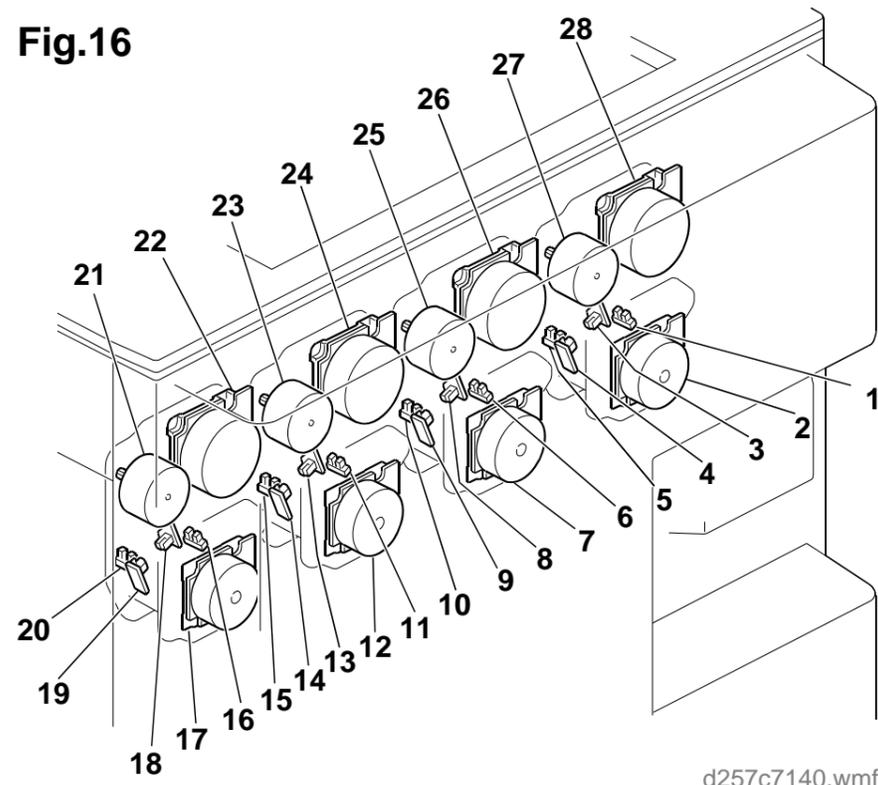


Fig.16



Symbol	Index No.	Description	P to P	Page
Sensors				
S12	Fig.15-4	Waste Toner Bottle Set Sensor	D9	1/5
S13	Fig.15-3	Waste Toner Bottle Motor Sensor	E9	1/5
S14	Fig.15-5	Waste Toner Near Full Sensor	E9	1/5
S18	Fig.16-1	Development Roller Home Position Sensor (Y) ^{*1}	G15	1/5
S19	Fig.16-6	Development Roller Home Position Sensor (M) ^{*1}	H15	1/5
S20	Fig.16-11	Development Roller Home Position Sensor (C) ^{*1}	H15	1/5
S21	Fig.16-16	Development Roller Home Position Sensor (K) ^{*1}	I15	1/5
S22	Fig.14-4	Fusing Entrance Sensor	I15	1/5
S23	Fig.14-5	Thermopile (Heating Roller)	J15	1/5
S30	Fig.16-3	Drum Encoder Sensor (Y2)	E3	3/5
S31	Fig.16-4	Drum Encoder Sensor (Y1)	F3	3/5
S32	Fig.16-5	Drum Home Position Sensor (Y)	F3	3/5
S33	Fig.16-8	Drum Encoder Sensor (M2)	F3	3/5
S34	Fig.16-9	Drum Encoder Sensor (M1)	G3	3/5
S35	Fig.16-10	Drum Home Position Sensor (M) ^{*1}	G3	3/5
S36	Fig.16-13	Drum Encoder Sensor (C2)	G3	3/5
S37	Fig.16-14	Drum Encoder Sensor (C1)	H3	3/5
S38	Fig.16-15	Drum Home Position Sensor (C)	H3	3/5
S39	Fig.16-18	Drum Encoder Sensor (K2)	H3	3/5
S40	Fig.16-19	Drum Encoder Sensor (K1)	I3	3/5
S41	Fig.16-20	Drum Home Position Sensor (K) ^{*1}	I3	3/5
S50	Fig.14-15	Fusing Paper Feed Sensor	H14	3/5
S51	Fig.14-2	Pressure Roller Sensor (Rear)	I13	3/5
S52	Fig.14-8	Pressure Roller Sensor (Front)	I13	3/5
S53	Fig.14-6	Thermopile (Pressure Roller)	I14	3/5
S54	Fig.14-18	Fusing Belt Smoothing Roller Contact Sensor ^{*1}	J15	3/5
S55	Fig.14-1	Heating Roller Rotation Sensor	J15	3/5
S85	Fig.14-10	Cleaning Web End Sensor ^{*1}	I13	4/5
S86	Fig.14-13	Cleaning Web Set Sensor ^{*1}	I14	4/5
S87	Fig.14-11	Cleaning Web Contact Sensor ^{*1}	J15	3/5
Motors				
M14	Fig.15-2	Waste Toner Transport Motor	D9	1/5
M18	Fig.16-28	Development Motor (Y)	C14	1/5
M19	Fig.16-26	Development Motor (M)	C14	1/5
M20	Fig.16-24	Development Motor (C)	C14	1/5
M21	Fig.16-22	Development Motor (K)	D14	1/5
M30	Fig.16-27	Drum Cleaning Motor (Y)	B3	3/5
M31	Fig.16-25	Drum Cleaning Motor (M)	B3	3/5
M32	Fig.16-23	Drum Cleaning Motor (C)	B3	3/5
M33	Fig.16-21	Drum Cleaning Motor (K)	C3	3/5
M34	Fig.16-2	Drum Motor (Y)	C3	3/5
M35	Fig.16-7	Drum Motor (M)	D3	3/5
M36	Fig.16-12	Drum Motor (C)	D3	3/5
M37	Fig.16-17	Drum Motor (K)	E3	3/5
M49	Fig.14-12	Cleaning Web Motor ^{*1}	H13	4/5
M50	Fig.14-17	Cleaning Web Contact Motor ^{*1}	J14	4/5
Lamp				
L5	Fig.14-9	Pressure Roller Fusing Lamp	G14	3/5
Thermistors				
TH4	Fig.14-14	Thermistor (Hot Roller Shaft) ^{*1}	H14	3/5
TH5	Fig.14-3	Thermistor (Fusing Belt)	J13	3/5
-	Fig.15-1	Waste Toner Path Thermistor	-	-
Thermostats				
TS1	Fig.14-7	Thermostat (Pressure Roller)	G14	3/5
TS2	Fig.14-16	Thermostat (Heating Roller)	H14	3/5

*1: For Pro C5200S/C5210S

MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (6/8)

Fig.17

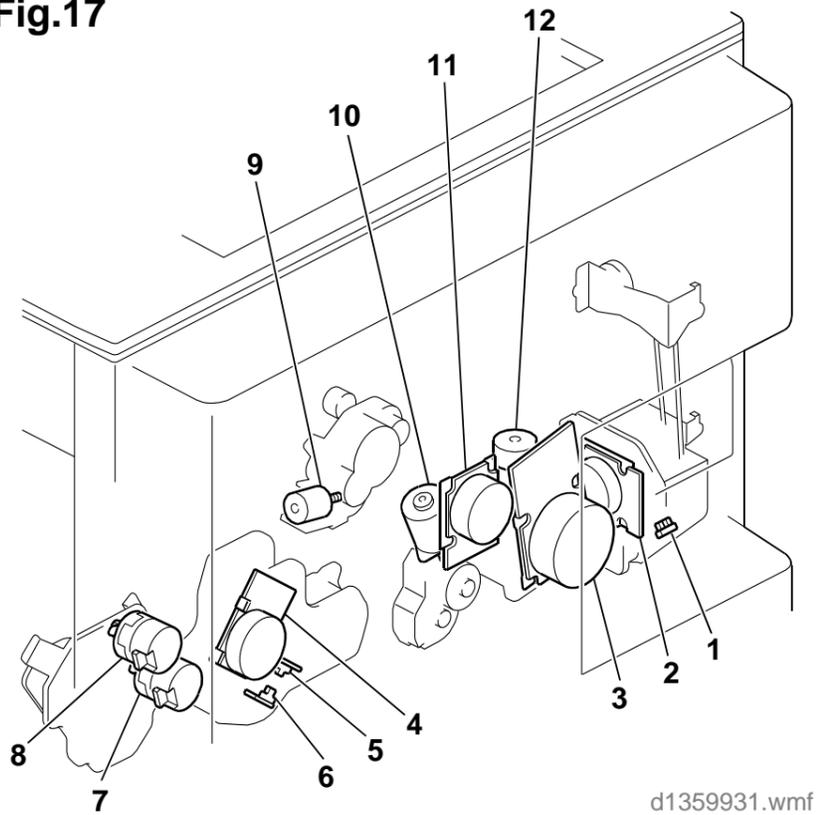


Fig.18

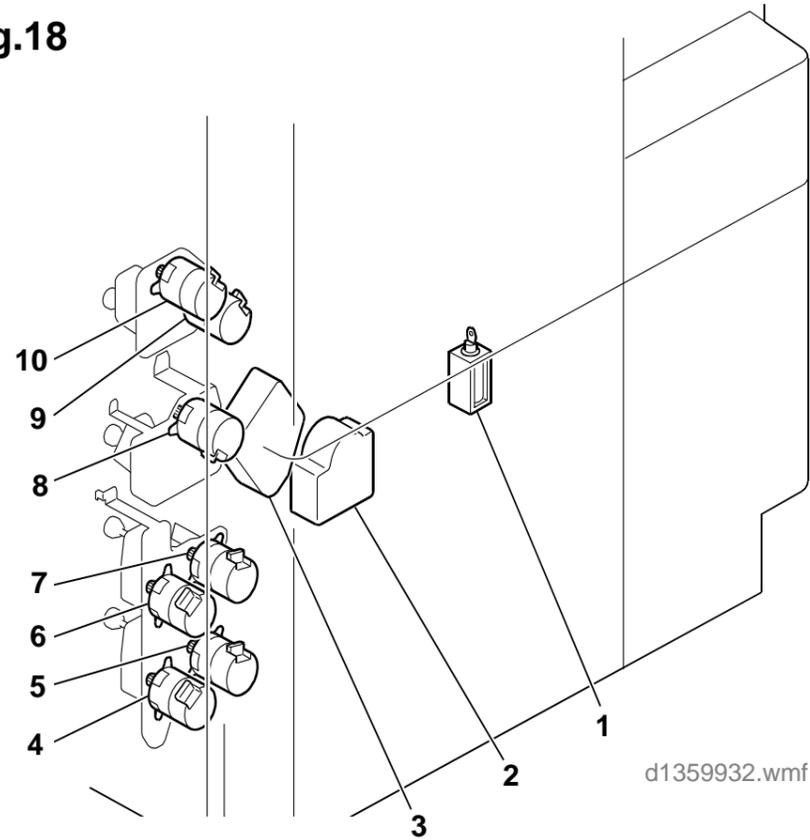


Fig.19

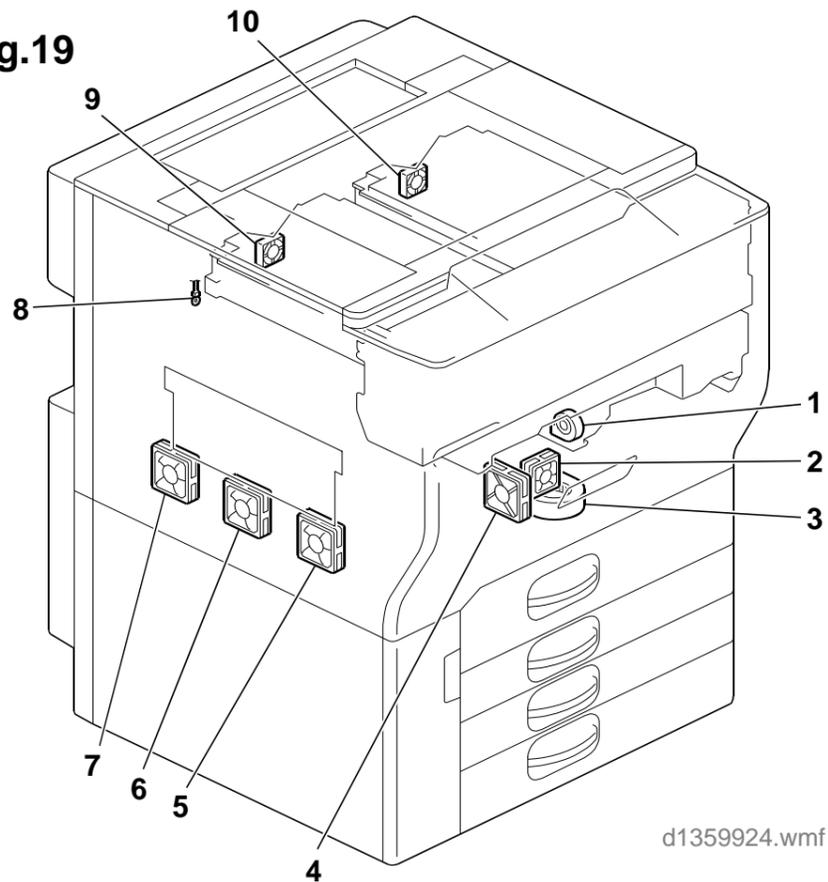
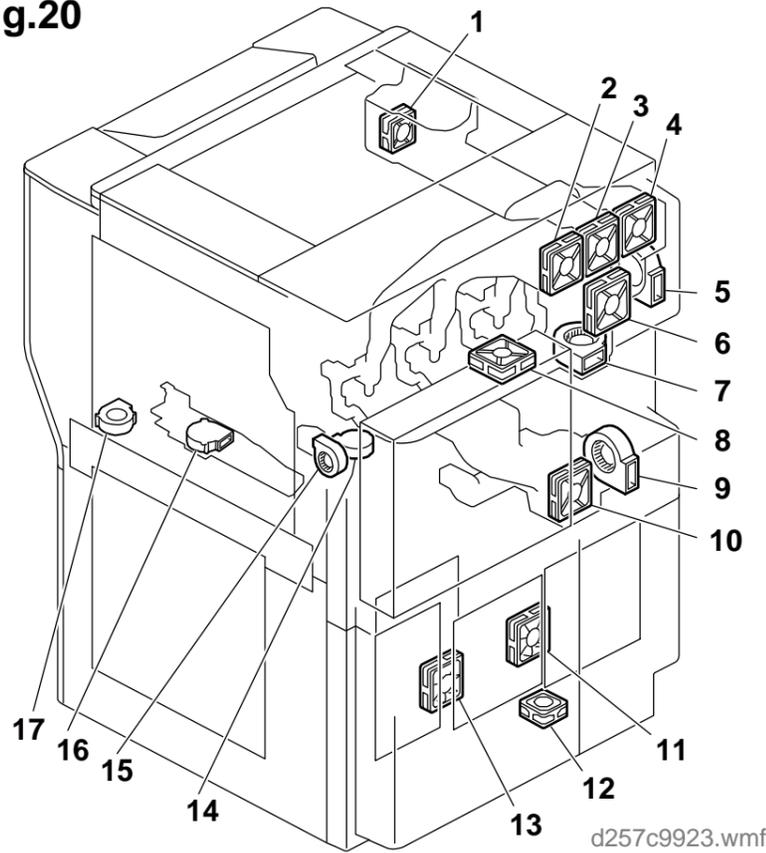


Fig.20



Symbol	Index No.	Description	P to P	Page
Sensors				
S15	Fig.17-1	Waste Toner Lock Sensor	E11	1/5
S16	Fig.17-5	PTR Encoder Sensor 2	B14	1/5
S17	Fig.17-6	PTR Encoder Sensor 1	B14	1/5
Motors				
M11	Fig.17-11	Fusing Belt Smoothing Roller Drive Motor ^{*1}	B12	1/5
M12	Fig.17-12	Fusing Belt Smoothing Roller Contact Motor ^{*1}	B11	1/5
M13	Fig.17-10	Fusing Release Motor	B10	1/5
M15	Fig.17-2	Waste Toner Collection Motor	D11	1/5
M16	Fig.17-4	PTR Motor	A14	1/5
M17	Fig.17-9	ITB Lift Motor	B14	1/5
M22	Fig.17-3	Fusing Drive Motor	D14	1/5
M53	Fig.17-7	Relay Motor	I11	5/5
M54	Fig.17-8	Bypass Feed Motor	J11	5/5
M55	Fig.18-9	1st Paper Feed Motor	J11	5/5
M56	Fig.18-10	1st Transport Motor	J11	5/5
M60	Fig.18-3	1st Tray Lift Motor	E13	5/5
M61	Fig.18-2	Rear Fence Drive Motor	F13	5/5
M63	Fig.18-8	Vertical Transport Motor	H13	5/5
M64	Fig.18-7	2nd Paper Feed Motor	H13	5/5
M66	Fig.18-5	3rd Paper Feed Motor	H13	5/5
M65	Fig.18-6	2nd Transport Motor	I13	5/5
M67	Fig.18-4	3rd Transport Motor	I13	5/5
Fan Motors				
FAN1	Fig.19-1	ITB Cleaning Intake Fan	I5	1/5
FAN6	Fig.20-9	Fusing Pressure Roller Exhaust Fan ^{*1}	A11	1/5
FAN7	Fig.20-15	ID Sensor Cleaning Fan	G11	1/5
FAN8	Fig.20-14	ITB Motor Cooling Fan	G11	1/5
FAN9	Fig.20-8	Controller Exhaust Fan	G11	1/5
FAN10	Fig.19-10	Laser Unit Cooling Fan (Right)	I11	1/5
FAN11	Fig.19-9	Laser Unit Cooling Fan (Left)	I11	1/5
FAN12	Fig.19-7	Duplex Exhaust Fan (Rear)	D15	1/5
FAN13	Fig.19-6	Duplex Exhaust Fan (Middle)	E15	1/5
FAN14	Fig.19-5	Duplex Exhaust Fan (Front)	E15	1/5
FAN15	Fig.20-4	Heat Pipe Panel Exhaust Fan	E15	1/5
FAN16	Fig.20-10	PTR Fusing Exhaust Fan	F15	1/5
FAN17	Fig.20-7	Ozone Exhaust Fan	F15	1/5
FAN18	Fig.20-5	Fusing Exit Exhaust Fan	F15	1/5
FAN19	Fig.20-6	Drive Exhaust Fan	G15	1/5
FAN20	Fig.20-2	Development Exhaust Fan (Right)	G15	1/5
FAN21	Fig.20-3	Development Exhaust Fan (Left)	G15	1/5
FAN22	Fig.20-1	Heat Pipe Panel Intake Fan	J8	2/5
FAN23	Fig.20-13	PSU Fan (Right)	H9	3/5
FAN24	Fig.20-11	PSU Fan (Left)	H9	3/5
FAN25	Fig.20-12	IH Coil Power Cooling Fan	F13	3/5
FAN26	Fig.19-4	Fusing Heat Pipe Cooling Fan	D7	4/5
FAN27	Fig.19-2	IH Coil Cooling Fan	D7	4/5
FAN30	Fig.20-16	Paper Transfer Belt Cooling Fan (Front)	G14	4/5
FAN31	Fig.20-17	Paper Transfer Belt Cooling Fan (Rear)	G14	4/5
FAN32	Fig.19-3	Fusing Pressure Roller Intake Fan ^{*1}	H13	4/5
Thermistor				
TH1	Fig.19-8	Machine Temperature Thermistor	G11	1/5
Solenoid				
SOL12	Fig.18-1	Left Tray Lock Solenoid	E13	5/5

*1: For Pro C5200S/C5210S

MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (7/8)

Fig.21

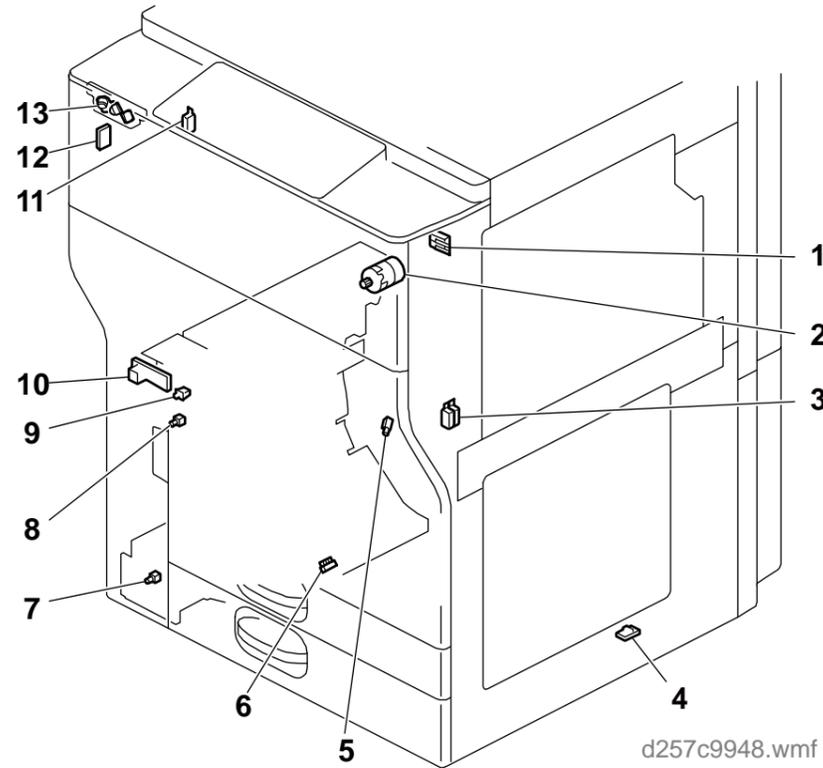
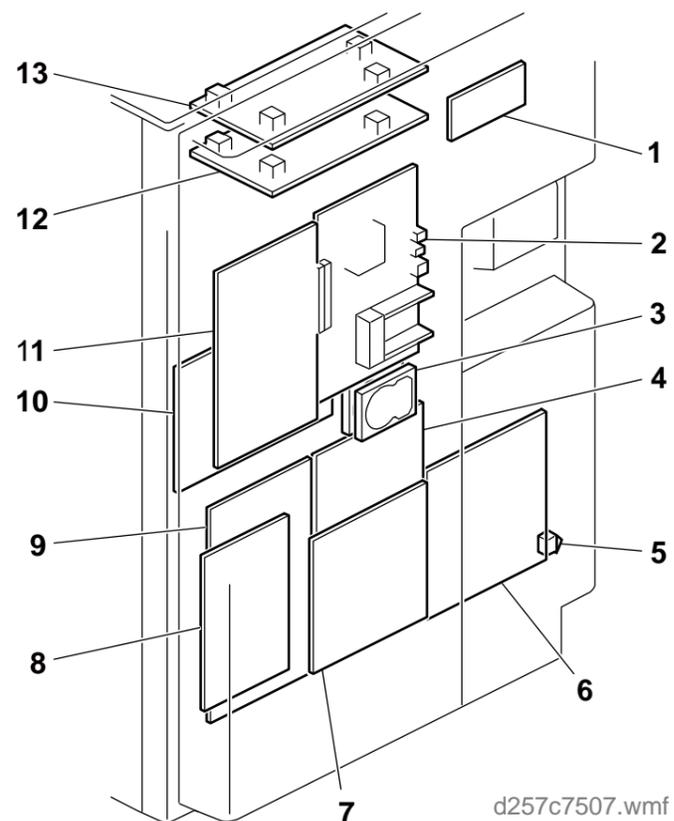


Fig.22

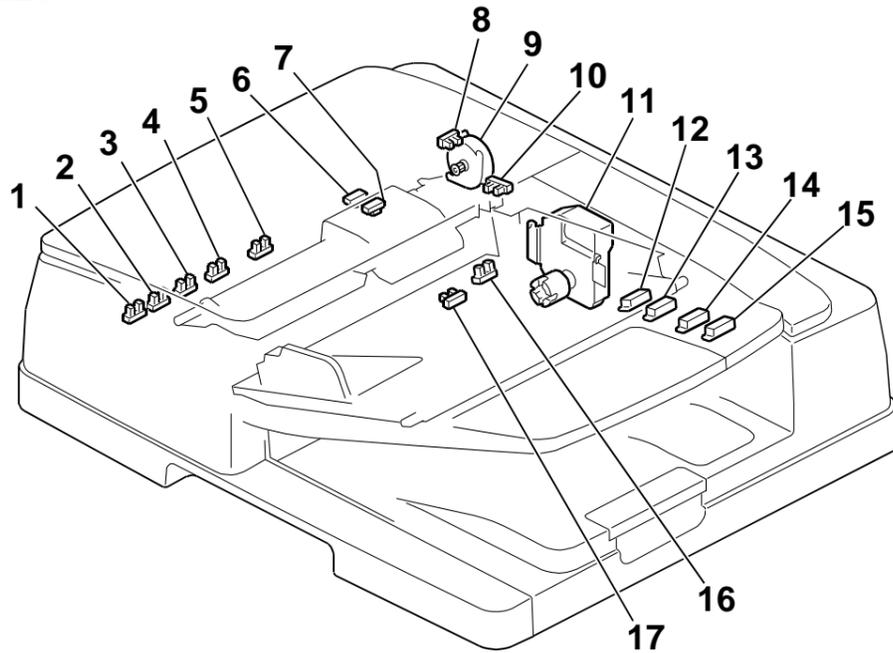


Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	Fig.22-10	IOB	F1,F4,G13	1/5
PCB10,11	Fig.22-13	Combined High-Voltage Power Supply Board (MY)	J4,K4	1/5
PCB12,13	Fig.22-12	Combined High-Voltage Power Supply Board (KC)	J4,K4	1/5
PCB14	Fig.22-11	BICU	B2,F6	2/5
PCB30	Fig.22-2	Controller Board	C12	2/5
PCB31	Fig.22-1	Potential Sensor Board	J3	3/5
PCB32	Fig.22-6	AC Drive Board	D11	3/5
PCB33	Fig.22-4	PSU2	B14	3/5
PCB34	Fig.22-9	PSU1	E14	3/5
PCB35	Fig.22-7	IH Inverter	I11	3/5
PCB36	Fig.22-8	PFB	C2,E5,E12	4/5
PCB39	Fig.21-10	LSB	F10	5/5
Sensors				
S97	Fig.21-4	ITB Temperature/Humidity Sensor	A6	5/5
S106	Fig.21-6	Purged Paper Sensor	D10	5/5
S28,29	Fig.21-13	Proximity Sensor 1/2	S28,S29	2/5
-	Fig.21-11	Faceplate Set Sensor ^{*1}	-	-
Motor				
M51	Fig.21-2	Duplex Inverter Motor	C11	5/5
LEDs				
SW3	Fig.21-12	Main Power Switch	J8	2/5
SW4	Fig.22-5	Anti-Condensation Heater Switch	E11	3/5
SW5,6	Fig.21-1	Toner Supply Unit Safety Switch 1/2 ^{*1}	E15	3/5
SW9,10	Fig.21-3	Drawer Safety Switch 1/2	D2,E2	5/5
LED15	Fig.21-5	Purge Tray LED	D10	5/5
LED16	Fig.21-7	Lower Guide Plate LED	E10	5/5
LED17	Fig.21-8	Left Lower Door LED	F10	5/5
Switch				
SW12	Fig.21-9	Front Lower Cover SW	F10	5/5
HDDs				
HDD1,2	Fig.22-3	HDD1/2	B11,C11	2/5

*1: For Pro C5200S/C5210S

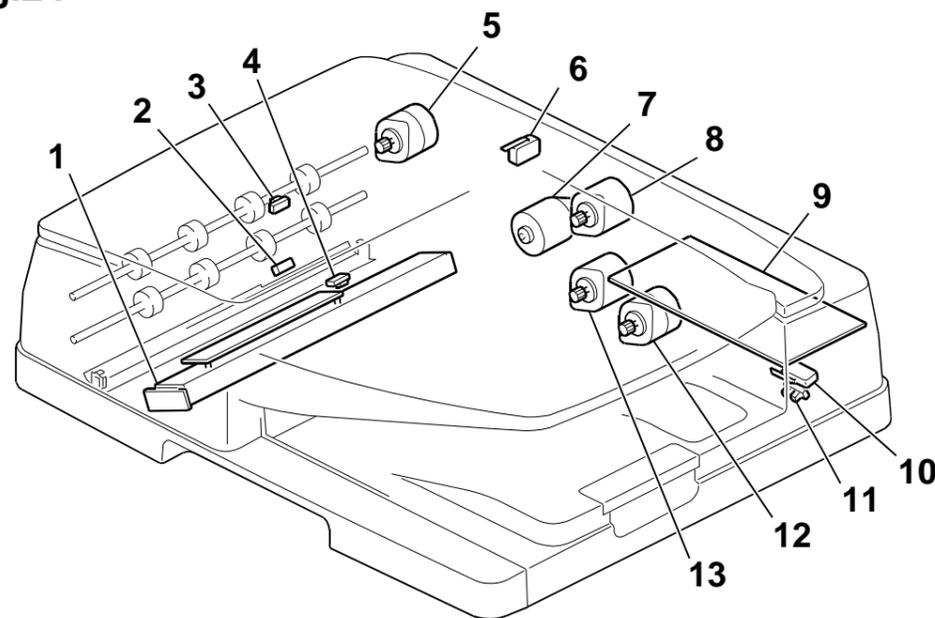
MP C6503,C8003 / Pro C5200S,C5210S ELECTRICAL COMPONENT LAYOUT (8/8) ADF

Fig.23



d1359901.wmf

Fig.24



d1359902.wmf

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	Fig.23-1	Original Width Sensor 5	A2	5/5
S2	Fig.23-2	Original Width Sensor 4	A2	5/5
S3	Fig.23-3	Original Width Sensor 3	B2	5/5
S4	Fig.23-4	Original Width Sensor 2	B2	5/5
S5	Fig.23-5	Original Width Sensor 1	B2	5/5
S6	Fig.23-7	Skew Correction Sensor	C2	5/5
S7	Fig.23-6	Seperation Sensor	D2	5/5
S8	Fig.23-10	Pick-up Roller HP Sensor	D2	5/5
S9	Fig.23-8	Bottom Plate Position Sensor	D2	5/5
S10	Fig.24-2	Interval Sensor	D2	5/5
S11	Fig.24-4	Original Exit Sensor	E2	5/5
S12	Fig.24-3	Original Registration Sensor	E2	5/5
S13	Fig.24-11	Lift-Up Sensor	A9	5/5
S14	Fig.23-15	Original Length Sensor (LG)	A9	5/5
S15	Fig.23-14	Original Length Sensor (A4)	B9	5/5
S16	Fig.23-13	Original Length Sensor (B5)	B9	5/5
S17	Fig.23-17	Bottom Plate HP Sensor	B9	5/5
S18	Fig.23-16	Original Set Sensor	B9-C9	5/5
S19	Fig.23-12	Original Length Sensor (A4/LT)	C9	5/5
S20	Fig.24-1	CIS	F2	5/5
Motors				
M1	Fig.23-9	ADF Pick-up Roller Lift Motor	B2	5/5
M2	Fig.24-5	ADF Transport Motor	C2	5/5
M3	Fig.24-7	ADF Feed Motor	C9	5/5
M4	Fig.24-8	ADF Entrance Motor	D9	5/5
M5	Fig.24-13	ADF Scanning Motor	D9	5/5
M6	Fig.24-12	ADF Exit Motor	E9	5/5
M7	Fig.23-11	ADF Bottom Plate Lift Motor	E9	5/5
Switches				
SW1	Fig.24-6	ADF Feed Cover Interlock Switch	F9	5/5
SW2	Fig.24-10	ADF Lift-Up Interlock Switch	F9	5/5
PCB				
PCB1	Fig.24-9	ADF Control Board	D5-D6	5/5