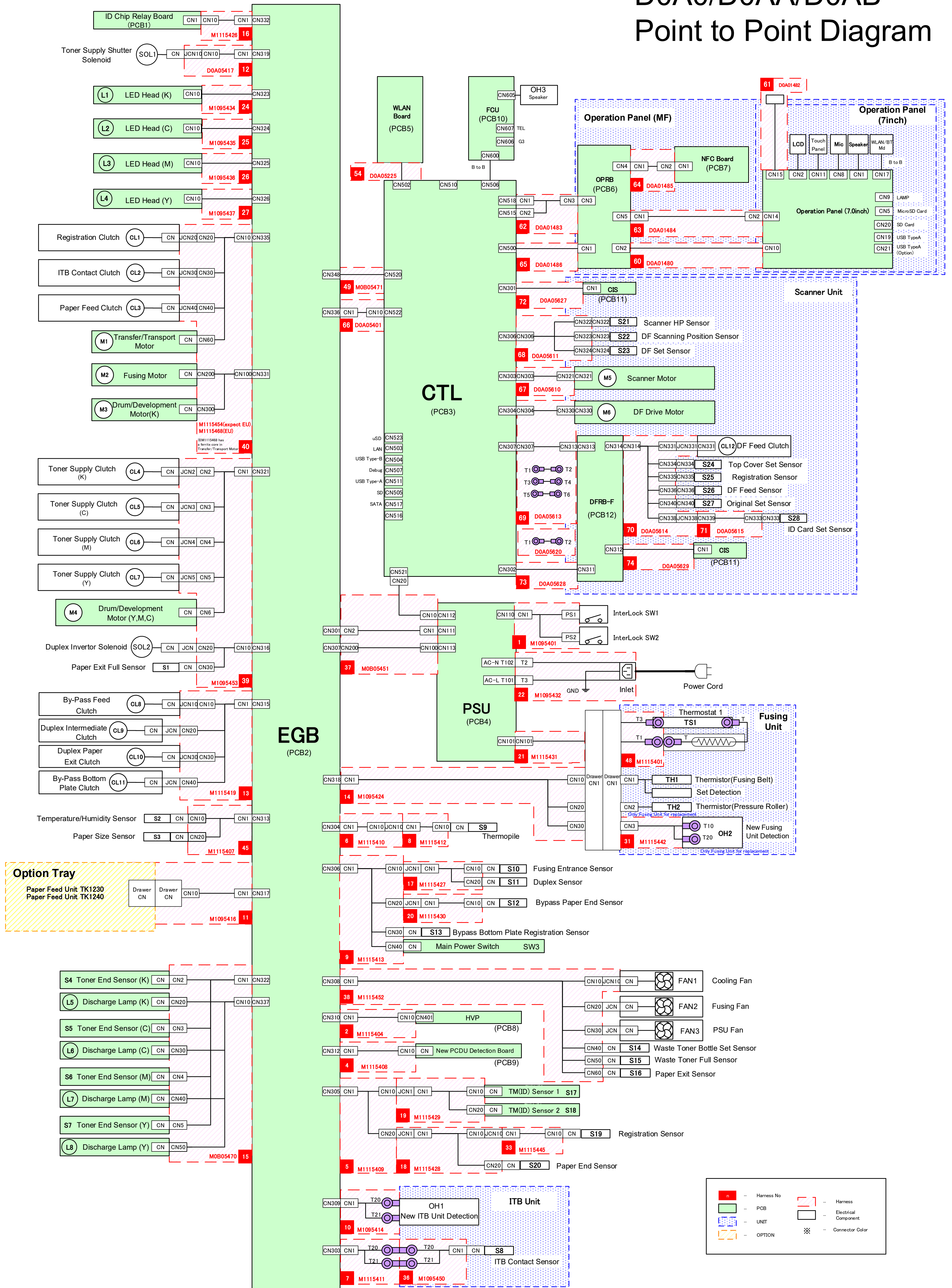
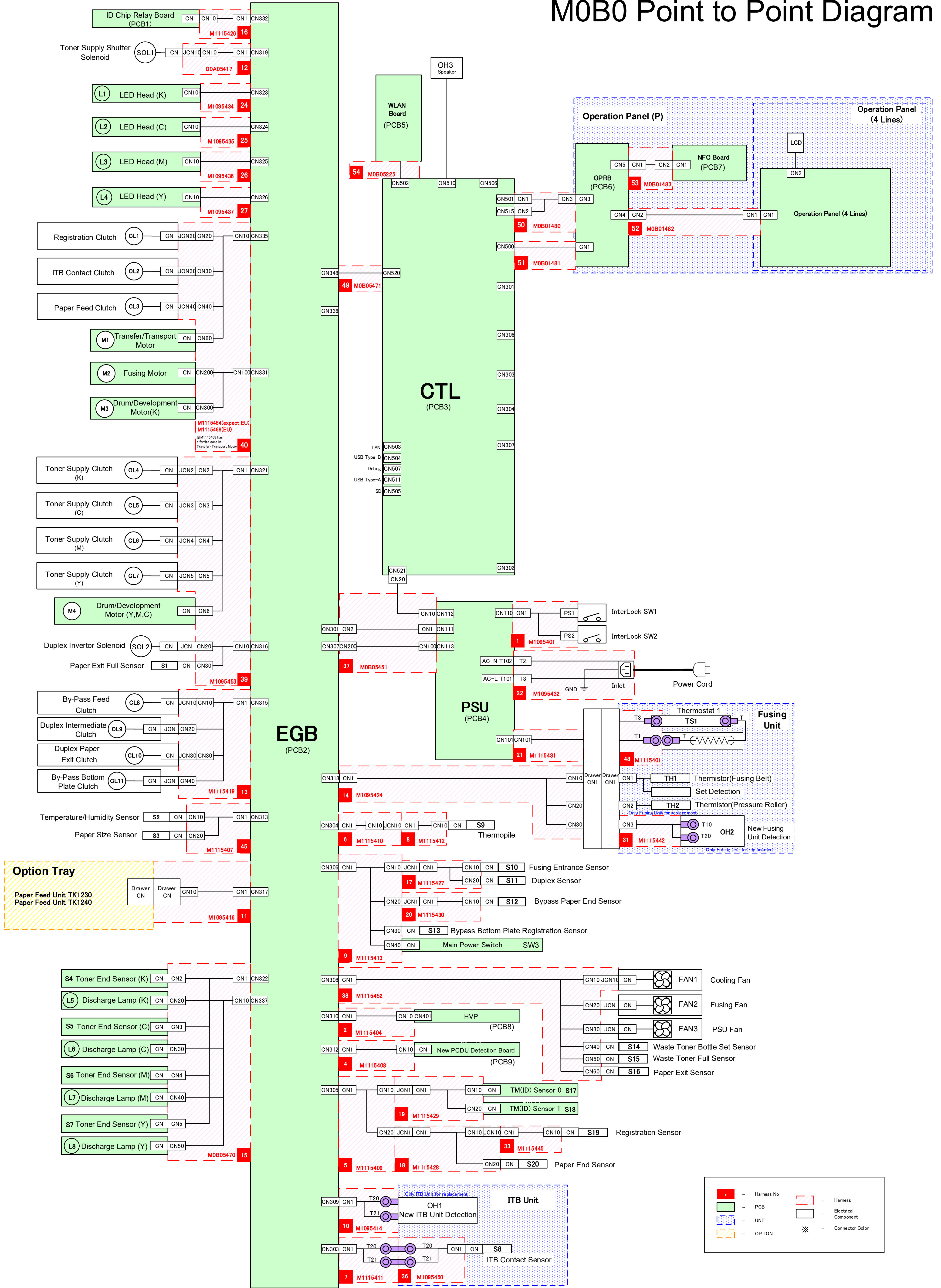


D0A0/D0AA/D0AB Point to Point Diagram



M0B0 Point to Point Diagram



D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)			
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.
1	M1095401	CN1	CN110	PSU	1	+24V				-	PS1 PS2		Interlock SW1	1-1
					2	+24V								2-1
					3	N.C.								
					4	+24VS2								2-2
					5	+24VS1								1-2
2	M1115404	CN1	CN310	EGB	1	+24VS LPS				-	CN10	CN401	HVP	20
					2	GND								19
					3	HVP_ERR2_N	←	Error	Normal					18
					4	HVP_ERR1_N	←	Error	Normal					17
					5	CLBION_P	→	Stop	Drive					16
					6	PWM_T2_+	→	Stop	Drive					15
					7	PWM_T2_-	→	Stop	Drive					14
					8	PWM_R_Y	→	Stop	Drive					13
					9	PWM_R_M	→	Stop	Drive					12
					10	PWM_R_C	→	Stop	Drive					11
					11	PWM_R_K	→	Stop	Drive					10
					12	PWM_T1	→	Stop	Drive					9
					13	PWM_DV_Y	→	Stop	Drive					8
					14	PWM_DV_M	→	Stop	Drive					7
					15	PWM_DV_C	→	Stop	Drive					6
					16	PWM_DV_K	→	Stop	Drive					5
					17	PWM_C_Y	→	Stop	Drive					4
					18	PWM_C_M	→	Stop	Drive					3
					19	PWM_C_C	→	Stop	Drive					2
					20	PWM_C_K	→	Stop	Drive					1
4	M1115408	CN1	CN312	EGB	1	SEN_PCDUSET_Y_P	←	Not Set	Set	-	CN10	CN	New PCDU Detection Board	9
					2	SEN_PCDUSET_Y_P	←	Old	New					8
					3	SEN_PCDUSET_M_P	←	Not Set	Set					7
					4	SEN_PCDUSET_M_P	←	Old	New					6
					5	+24VS LPS								5
					6	SEN_PCDUSET_C_P	←	Not Set	Set					4
					7	SEN_PCDUSET_C_P	←	Old	New					3
					8	SEN_PCDUSET_K_P	←	Not Set	Set					2
					9	SEN_PCDUSET_K_P	←	Old	New					1
5	M1115409	CN1	CN305	EGB	1	+3.3V				M1115429	CN10	JCN1	TM(ID) Sensor 1	5
					2	GND								4
					3	SEN_TM0PWM	→	OFF	ON					3
					4	SEN_TM0D_A	←		Analog					2
					5	SEN_TM0R_A	←		Analog					1
					6	+3.3V								5
					7	GND								4
					8	SEN_TM1PWM	→	OFF	ON					3
					9	SEN_TM1D_A	←		Analog				2	
					10	SEN_TM1R_A	←		Analog				1	
					-	N.C.							4	
					11	GND							3	
					12	SEN_REG_N	←	Paper Detected	Paper Not Detected				2	
					13	+5V_ODM							1	
					14	GND							3	
					15	SEN_PAPEND_N	←	Paper Detected	Paper Not Detected				2	
16	+5V				1									
6	M1115410	CN1	CN304	EGB	1	+5V_TMP				M1115412	JCN10	CN1	Thermopile	3
					2	GND								2
					3	TMP_A	←		Analog					1
7	M1115411	CN1	CN303	EGB	1	+24VS LPS				M1095450	T20	T20	ITB Contact Sensor	2
					2	SEN_ITCSP	←	Contact	Not Contact					1
8	M1115412	CN1	JCN10		-	N.C.				-	CN10	CN	Thermopile	4
					1	+5V_TMP								3
					2	GND								2
9	M1115413	CN1	CN306	EGB	1	GND				M1115427	CN10	JCN1	Fusing Entrance Sensor	3
					2	SEN_PAPERON_P	←	Paper Detected	Paper Not Detected					2
					3	+5V_ODM								1
					4	GND								3
					5	SEN_DUP_N	←	Paper Detected	Paper Not Detected					2
					6	+5V_ODM								1
					7	GND							3	
					8	SEN_HAND_N	←	Paper Detected	Paper Not Detected				2	
					9	+5V							1	
					10	GND							3	
					11	SEN_HAND_BP_P	←	Down	Up				2	
					12	+5V							1	
					13	PW_BTN_N	←						2	
					14	GND							1	
10	M1095414	CN1	CN309	EGB	1	+24VS LPS				-	T20	-	New ITB Unit Detection	1
					2	N.C.								-
					3	SEN_MID_NEW_P	←	Old	New					1
11	M1095416 (P2/MF2)	CN1	CN317	EGB	1	+5V				-	CN10	Drawer CN	Option Tray (Paper Feed Unit TK1240)	12
					2	MCLK	→							11
					3	GND								10
					4	SCK	→							9
					5	SID	←							8
					6	SOD	→							7
					7	GND								6
					8	GND								5
					9	+24VS LPS								4
					10	+24VS LPS								3
					-	N.C.								2
					-	N.C.								1
12	D0A05417	CN1	CN319	EGB	1	+24VS LPS				-	JCN10	CN	Toner Supply Shutter Solenoid	2
					2	SOL_UPCOVER_P	→	Stop	Drive					1
					1	+24V LPS								2
					2	CL_HAND_P	→	Stop	Drive					1
					3	+24V LPS								2
					4	CL_DUP_MID_P	→	Stop	Drive					1
					5	+24V LPS								3
					-	N.C.								2
6	CL_DUP_OUT_P	→	Stop	Drive	1									
-	N.C.				3									
7	+24V LPS				2									
8	CL_HAND_PLA_P	→	Stop	Drive	1									
14	M1095424	CN1	CN318	EGB	1	SEN_FUSET_N	←	Set	Not Set	-	CN10	Drawer CN1	Fusing Set Detection	6
					2	GND								5
					3	NC_TH_RESERVE_A	←		Analog					4
					4	GND								3
					5	TH_FU_EDGE_A	←		Analog				2	
					6	GND							1	
					7	TH_HEAT_A	←		Analog				4	
					8	GND							3	
					9	TH_EDGE_A	←		Analog				2	
					10	GND							1	
					11	+24VS2							2	
					12	SEN_FU_NEW_P	←	Old	New				1	
15	M0B05470	CN1	CN322	EGB	1	GND				-	CN2	CN	Toner End Sensor (K)	4
					2	SEN_TE_K_A	←		Analog					3
					3	GND								2
					4	SEN_TEON0_P	→	OFF	ON					1
					5	GND								4
					6	SEN_TE_C_A	←		Analog					3
					7	GND								2
					8	SEN_TEON1_P	→	OFF	ON					1
		9	GND				4							
		10	SEN_TE_M_A	←		Analog	3							
		11	GND				2							
		12	SEN_TEON1_P	→	OFF	ON	1							
		13	GND				4							
		14	SEN_TE_Y_A	←		Analog	3							
		15	GND				2							
		16	SEN_TEON1_P	→	OFF	ON	1							
15		CN10	CN337	EGB	1	QLBK_P	→	OFF	ON	-	CN20	CN	Discharge Lamp (Y)	2
					2	+24V LPS								1
					3	QLCOL_P	→	OFF	ON					2
					4	+24V LPS								1
		5	QLCOL_P	→	OFF	ON	2							
		6	+24V LPS				1							
		7	QLCOL_P	→	OFF	ON	2							
		8	+24V LPS				1							

D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)			
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.
16	M1115426	CN1	CN332	EGB	1	GND				-	CN10	CN1	ID Chip Relay Board	4
					2	ID_SDA								3
					3	ID_SCL	→							2
					4	+3.3V ID2								1
17	M1115427	JCN1	CN10	EGB	1	GND				-	CN10	CN	Fusing Entrance Sensor	3
					2	SEN_PAPERON_P	←	Paper Detected	Paper Not Detected					2
					3	+5V_ODM								1
					4	GND								3
					5	SEN_DUP_N	←	Paper Detected	Paper Not Detected					2
					6	+5V_ODM								1
18	M1115428	JCN1	CN20	EGB	1	NC				M1115445	JCN10	CN1	Registration Sensor	4
					2	SEN_REG_N	←	Paper Detected	Paper Not Detected					3
					3	+5V_ODM								2
					4	GND								1
					5	SEN_PAPEND_N	←	Paper Detected	Paper Not Detected					3
					6	+5V								2
19	M1115429	JCN1	CN10	EGB	1	+3.3V				-	CN10	CN	TM(ID) Sensor 1	5
					2	GND								4
					3	SEN_TMOPWM	→	OFF	ON					3
					4	SEN_TMOR_A	←		Analog					2
					5	SEN_TM0D_A	←		Analog					1
					6	+3.3V								5
					7	GND								4
					8	SEN_TMI_PWM	→	OFF	ON					3
					9	SEN_TMI_R_A	←		Analog					2
					10	SEN_TMI_D_A	←		Analog					1
20	M1115430	JCN1	CN20	EGB	1	GND				-	CN10	CN	By-Pass Paper End Sensor	3
					2	SEN_HAND_N	←	Paper Detected	Paper Not Detected					2
					3	+5V								1
21	M1115431	CN101	CN101	PSU	1	N.C.				-	Drawer CN1	-	Fusing Drawer(PSU)	-
					2	AC_N_HT								1
					3	AC_L_HT								2
					4	N.C.								4
					5	N.C.								3
22	M1095432	T1	EARTH	PSU	1	EARTH				-	Earth	-	Inlet	3
		T2	AC-N101		1	AC_IN_N								1
		T3	AC-L102		1	AC_IN_L								2
24	M1095434	-	CN323	EGB	1	GND				-	CN10	-	LEDA(K)	26
					2	LEDA_K_CLK+	→							25
					3	LEDA_K_CLK-	→							24
					4	GND								23
					5	LEDA_K_LOAD	→							22
					6	LEDA_K_HSYNC_N	→							21
					7	LEDA_K_DAT07	→							20
					8	LEDA_K_DAT06	→							19
					9	LEDA_K_DAT05	→							18
					10	LEDA_K_DAT04	→							17
					11	LEDA_K_DAT03	→							16
					12	LEDA_K_DAT02	→							15
					13	LEDA_K_DAT01	→							14
					14	LEDA_K_DAT00	→							13
					15	LEDA_K_STRB_N	→							12
					16	LEDA_K_SCK	→							11
					17	LEDA_K_SI	←							10
					18	+3.3V								9
					19	GND								8
					20	+5V_LED								7
					21	GND								6
					22	+5V_LED								5
					23	GND								4
					24	+5V_LED								3
					25	GND								2
					26	+5V_LED								1
25	M1095435	-	CN324	EGB	1	GND				-	CN10	-	LEDA(C)	26
					2	LEDA_C_CLK+	→							25
					3	LEDA_C_CLK-	→							24
					4	GND								23
					5	LEDA_C_LOAD	→							22
					6	LEDA_C_HSYNC_N	→							21
					7	LEDA_C_DAT07	→							20
					8	LEDA_C_DAT06	→							19
					9	LEDA_C_DAT05	→							18
					10	LEDA_C_DAT04	→							17
					11	LEDA_C_DAT03	→							16
					12	LEDA_C_DAT02	→							15
					13	LEDA_C_DAT01	→							14
					14	LEDA_C_DAT00	→							13
					15	LEDA_C_STRB_N	→							12
					16	LEDA_C_SCK	→							11
					17	LEDA_C_SI	←							10
					18	+3.3V								9
					19	GND								8
					20	+5V_LED								7
					21	GND								6
					22	+5V_LED								5
					23	GND								4
					24	+5V_LED								3
					25	GND								2
					26	+5V_LED								1
26	M1095436	-	CN325	EGB	1	GND				-	CN10	-	LEDA(M)	26
					2	LEDA_M_CLK+	→							25
					3	LEDA_M_CLK-	→							24
					4	GND								23
					5	LEDA_M_LOAD	→							22
					6	LEDA_M_HSYNC_N	→							21
					7	LEDA_M_DAT07	→							20
					8	LEDA_M_DAT06	→							19
					9	LEDA_M_DAT05	→							18
					10	LEDA_M_DAT04	→							17
					11	LEDA_M_DAT03	→							16
					12	LEDA_M_DAT02	→							15
					13	LEDA_M_DAT01	→							14
					14	LEDA_M_DAT00	→							13
					15	LEDA_M_STRB_N	→							12
					16	LEDA_M_SCK	→							11
					17	LEDA_M_SI	←							10
					18	+3.3V								9
					19	GND								8
					20	+5V_LED								7
					21	GND								6
					22	+5V_LED								5
					23	GND								4
					24	+5V_LED								3
					25	GND								2
					26	+5V_LED								1
27	M1095437	-	CN326	EGB	1	GND				-	CN10	-	LEDA(Y)	26
					2	LEDA_Y_CLK+	→							25
					3	LEDA_Y_CLK-	→							24
					4	GND								23
					5	LEDA_Y_LOAD	→							22
					6	LEDA_Y_HSYNC_N	→							21
					7	LEDA_Y_DAT07	→							20
					8	LEDA_Y_DAT06	→							19
					9	LEDA_Y_DAT05	→							18
					10	LEDA_Y_DAT04	→							17
					11	LEDA_Y_DAT03	→							16
					12	LEDA_Y_DAT02	→							15
					13	LEDA_Y_DAT01	→							14
					14	LEDA_Y_DAT00	→							13
					15	LEDA_Y_STRB_N	→							12
					16	LEDA_Y_SCK	→							11
					17	LEDA_Y_SI	←							10
					18	+3.3V								9
					19	GND								8
					20	+5V_LED								7
					21	GND								6
					22	+5V_LED								5
					23	GND								4
					24	+5V_LED								3
					25	GND								2
					26	+5V_LED								1

D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harness	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)						
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.			
31	M1115442	CN3	CN1 Drawer(PSU)	Fusing Drawer	1	+24VS2						T10		New Fusing Unit Detection	1		
					2	SEN_FU_NEW_P	←	Old	New		T20			1			
33	M1115445	CN1	JCN10		1	N.C.						CN10	CN	Registration Sensor	2		
					2	GND									3		
					3	SEN_REG_N	←	Paper Detected	Paper Not Detected						2		
					4	+5V_ODM									1		
36	M1095450	T20	T20		1	+24VS_LPS					CN1	CN	ITB Contact Sensor	1			
		T21	T21		1	SEN_1TCSP	←							2			
37	M0B05451	CN2	CN301	EGB	1	GND						CN1	CN111	PSU	10		
					2	+24VS_LPS									9		
					3	GND									8		
					4	+24V_LPS									7		
					5	GND									6		
					6	+24VS2									5		
					7	GND									4		
					8	GND									3		
					9	+24VS1									2		
					10	+24VS1									1		
		CN20	CN302	CTL	1	GND							CN10	CN112	PSU	4	
					2	GND						3					
					3	+5VX						2					
					4	+5VX						1					
		CN200	CN307	EGB	1	HT_TRG_P	→						CN100	CN113	PSU	6	
					2	ACV	←					5					
					3	ZEROX1_N	←					4					
					4	FUHT_RLY_TRG1_P	→					3					
					5	PONENG_N	→					2					
					6	GND						1					
38	M1115452	CN1	CN308	EGB	1	FAN_MIN_P	→	Stop	Drive		JCN10	CN	Cooling Fan	3			
					2	FAN_MINLOCK_N	←	Normal	Error					2			
					3	GND									1		
					4	FAN_FU_P	→	Stop	Drive					CN20	JCN	Fusing Fan	3
					5	FAN_FULOCK_N	←	Normal	Error								2
					6	GND									1		
					7	FAN_PSU_P	→	Stop	Drive					CN30	JCN	PSU Fan	3
					8	FAN_PSULOCK_N	←	Normal	Error								2
					9	GND									1		
					10	SEN_TONERBTL_N	←	Set	Not Set					CN40	CN	Waste Toner Bottle Set Sensor	2
					11	GND											1
					12	GND								CN50	CN	Waste Toner Full Sensor	3
					13	SEN_TONERFULL_P	←	Full	Not Full								2
					14	+5V_ODM									1		
					15	GND								CN60	CN	Paper Exit Sensor	3
					16	SEN_PAPOUT_N	←	Paper Detected	Paper Not Detected								2
					17	+5V_ODM											1
39	M1095453	CN1	CN321	EGB	1	+24V_LPS					JCN2	CN	Toner Supply Clutch (K)	2			
					2	CL_TR_K_P	→	Stop	Drive					1			
					3	+24V_LPS								JCN3	CN	Toner Supply Clutch (C)	2
					4	CL_TR_C_P	→	Stop	Drive								1
					5	+24V_LPS								JCN4	CN	Toner Supply Clutch (M)	2
					6	CL_TR_M_P	→	Stop	Drive								1
					7	+24V_LPS								JCN5	CN	Toner Supply Clutch (Y)	2
					8	CL_TR_Y_P	→	Stop	Drive								1
					9	DM_COLGAIN	→	Half Speed	Std Speed					CN6	CN	Drum/Development Motor (Y.M.C)	11
					10	DM_COLCLK	→	Stop	Drive								10
					11	DM_COLBK_P	→	Stop	Drive								9
					12	DM_COLON_N	→	Start	Stop								8
					13	DM_COLLOCK_N	←	Normal	Error								7
					14	GND											6
					15	GND											5
					16	GND											4
					17	+24VS1											3
					18	+24VS1											2
					19	+24VS1								1			
CN10	CN316	EGB	1	+24V_LPS						CN20	JCN	Paper Exit Reverse Drive Solenoid	2				
			2	SOL_PAPOUT_P	→	Stop	Drive		1								
			3	GND									3				
			4	SEN_PEFULL_N	←	Paper Detected	Paper Not Detected		CN30				CN	Paper Exit Full Sensor	3		
			5	+5V_ODM											2		
40	M1115454 (NA,TWN,CHN) M1115468 (EU)	CN10	CN335	EGB	1	+24V_LPS					JCN20	CN	Registration Clutch	2			
					2	CL_REG_P	→	Stop	Drive					1			
					3	+24V_LPS								JCN30	CN	ITB Contact Clutch	2
					4	CL_1TCSP_P	→	Stop	Drive								1
					5	+24V_LPS								JCN40	CN	Paper Feed Clutch	3
					6	CL_PAP_P	→	Stop	Drive								2
					7	N.C.									1		
					8	+24V_LPS											
					9	CL_MID_P	→										
					10	DM_MIDFEEDGAIN	→	Half Speed	Std Speed					CN60	CN	Transfer/Transport Motor	10
					11	DM_MIDFEEDCLK	→										9
					12	DM_MIDFEEDBK_P	→	Stop	Drive								8
					13	DM_MIDFEEDCW	→	Forward	Reverse								7
					14	DM_MIDFEEDON_N	→	Start	Stop								6
					15	DM_MIDFEEDLOCK_N	←	Drive	Stop								5
					16	GND											4
					17	GND											3
					18	+24VS2								2			
19	+24VS2					1											
CN100	CN331	EGB	1	DM_FUGAIN	→	Half Speed	Std Speed			CN200	CN	Fusing Motor	9				
			2	DM_FUCLK	→				8								
			3	GND		Forward	Reverse		7								
			4	DM_FUON_N	→	Start	Stop		6								
			5	DM_FULOCK_N	←	Drive	Stop		5								
			6	GND					4								
			7	GND					3								
			8	+24VS1					2								
			9	+24VS1					1								
			10	DM_BWGAIN	→	Half Speed	Std Speed		CN300				CN	Drum/Development Motor (K)	10		
			11	DM_BWCLK	→										9		
			12	DM_BWBK_P	→	Stop	Drive								8		
			13	DM_BWCW	→	Forward	Reverse								7		
			14	DM_BWON_N	→	Start	Stop								6		
			15	DM_BWLOCK_N	←	Drive	Stop								5		
16	GND					4											
17	GND					3											
18	+24VS2					2											
19	+24VS2					1											
45	M1115407	CN1	CN313	EGB	1	SEN_TEMP_A	←		Analog		CN10	CN	Temperature/Humidity Sensor	4			
					2	GND								3			
					3	SEN_HUM_A	←		Analog					2			
					4	+3.3V								1			
					5	SEN_PSIZE0_N	←							CN20	CN	Paper Size Sensor	4
					6	GND				3							
					7	SEN_PSIZE1_N	←										2
					8	SEN_PSIZE2_N	←										1
48	M1115401	CN1 Drawer (Fusing)	CN1 Drawer (PSU)	Fusing Drawer (PSU)	1	N.C.							Fusing Heater	-			
					2	AC_N_LHT						T1	T	1			
					3	N.C.								Thermostat 1	-		
					4	AC_L_HT							T3	-	1		

D0A0/D0AA/D0AB Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)			
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.
49	MOB05471	CN348	-	EGB	1	+5VX				-	CN520	-	CTL	50
					2	+5VX								49
					3	+5VX								48
					4	+5VX								47
					5	+5VX								46
					6	+5VX								45
					7	PONENG_N	←							44
					8	PW_BTN_N	→							43
					9	GND								42
					10	VDET_EPCI	→							41
					11	TIMER_UP1_N	←							40
					12	TIMER_UP0_N	←							39
					13	PREQ_N	←							38
					14	ENG_ENABLE_N	←							37
					15	FUKKI	←							36
					16	TIMER_UP2_N	←							35
					17	ENGRDY_N	→							34
					18	IREADY_N	→							33
					19	STATUS	→							32
					20	GND								31
					21	COMMAND	←							30
					22	VFGATE0_N	→							29
					23	VFGATE1_N	→							28
					24	VFGATE2_N	→							27
					25	VFGATE3_N	→							26
					26	MLSYNC_N	→							25
					27	GND								24
					28	CLK_IP	←							23
					29	GND								22
					30	IPDAT30	←							21
					31	IPDAT31	←							20
					32	IPDAT32	←							19
					33	IPDAT33	←							18
					34	GND								17
					35	IPDAT20	←							16
					36	IPDAT21	←							15
					37	IPDAT22	←							14
					38	IPDAT23	←							13
					39	GND								12
					40	IPDAT10	←							11
					41	IPDAT11	←							10
					42	IPDAT12	←							9
					43	IPDAT13	←							8
					44	GND								7
					45	IPDAT00	←							6
					46	IPDAT01	←							5
					47	IPDAT02	←							4
					48	IPDAT03	←							3
					49	GND								2
					50	IPLGATE_N	←							1
54	D0A05225 MOB05225	CN502	-	CTL	1	Reserved (WLAN.REQ.N)				-	J3	-	WLAN	16
					2	WLAN_PD_N	→	Power OFF	Power ON					15
					3	3.3VE								14
					4	GND								13
					5	SD_WLAN_CLK	→							12
					6	GND								11
					7	SD_WLAN_DATA3	↔							10
					8	SD_WLAN_DATA2	↔							9
					9	SD_WLAN_DATA1	↔							8
					10	SD_WLAN_DATA0	↔							7
					11	SD_WLAN_CMD	↔							6
					12	N.C.								5
					13	N.C.								4
					14	N.C.								3
					15	N.C.								2
					16	GND								1
60	D0A01480	CN10	-	Operation Panel (7.0inch)	1	VBUS				-	CN2	-	OPRB	1
					2	D-	↔							2
					3	D+	↔							3
					4	ID (MLT_TLG.N)	↔	Interrupt Detection	Normal					4
					5	GND								5
					6	MicB_SSRX-	↔							6
					7	MicB_SSRX+	↔							7
					8	GND_DRAIN								8
					9	MicB_SSTX-	→							9
					10	MicB_SSTX+	→							10
61	D0A01482	CN15	-	OPRB	1	VBUS				-	CN2	CN1	NFC Board	1
					2	D-	↔							2
					3	D+	↔							3
					4	ID	↔							4
					5	GND								5
					6	D-	↔							6
					7	D+	↔							7
					8	ID	↔							8
					9	GND								9
					10	GND								10
62	D0A01483	CN1	CN518	CTL	1	GND				-	CN3	-	OPRB	15
					2	GND								14
					3	GND								13
					4	SCR_EN	→	Not CTL	CTL					12
					5	SC672_DET	←	Not Detected	Detected					11
					6	SC672_ERR1	↔	Replace CTL	Replace Cables					10
					7	5VX								9
		8	5VX				8							
		9	5VX				7							
		10	N.C.				6							
		11	MLT_TLG_N	↔	Interrupt Detection	Normal	6							
		12	3.3VE				5							
		13	I2C_NFC_SDA	↔			4							
		14	I2C_NFC_SCL	↔			3							
63	D0A01484	CN2	CN14	Operation Panel (7.0inch)	1	VBUS				-	CN1	CN5	OPRB	9
					2	VBUS								8
					3	VBUS								7
					4	SC672_ERR1	↔	Replace CTL	Replace Cables					6
					5	SC672_DET_N	→	Not Detected	Detected					5
					6	SCR_EN	←	Not CTL	CTL					4
					7	GND								3
					8	GND								2
					9	GND								1
					10	N.C.								1
64	D0A05485	CN1	CN4	OPRB	1	3.3VE				-	CN2	CN1	NFC	5
					2	I2C_SDA	↔							4
					3	I2C_SCL	→							3
					4	IRQ_N	←	Interrupt Detection	Normal					2
					5	GND								1
65	D0A01486	CN500	-	CTL	1	VBUS				-	CN1	-	OPRB	1
					2	D-	↔							2
					3	D+	↔							3
					4	ID (MLT_TLG.N)	↔	Interrupt Detection	Normal					4
					5	GND								5
					6	MicB_SSRX-	↔							6
					7	MicB_SSRX+	↔							7
					8	GND_DRAIN								8
					9	MicB_SSTX-	→							9
					10	MicB_SSTX+	→							10
66	D0A05401	CN1	CN336	EGB	1	GND				-	CN10	CN522	CTL	5
					2	GND								4
					3	+24V_LPS								3
					4	+24V_LPS								2
67	D0A05610	CN303	CN303	CTL	1	A	↔			-	CN321	CN321	Scanner Motor	4
					2	B-	↔							3
					3	A-	↔							2
					4	B-	↔							1

MOB0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)				
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.	
49	MOB05471	CN348	-	EGB	1	+5VX		-		-	CN520	-	CTL	50	
					2	+5VX		-						49	
					3	+5VX		-						48	
					4	+5VX		-						47	
					5	+5VX		-						46	
					6	+5VX		-						45	
					7	PONENG_N	←							44	
					8	PW_BTN_N	→							43	
					9	GND								42	
					10	VDET_EPCI	→							41	
					11	TIMER_UP1_N	←							40	
					12	TIMER_UP0_N	←							39	
					13	PREQ_N	←							38	
					14	ENG_ENABLE_N	←							37	
					15	FUKKI	←							36	
					16	TIMER_UP2_N	←							35	
					17	ENGRDY_N	→							34	
					18	IREADY_N	→							33	
					19	STATUS	→							32	
					20	GND								31	
					21	COMMAND	←							30	
					22	VFGATE0_N	→							29	
					23	VFGATE1_N	→							28	
					24	VFGATE2_N	→							27	
					25	VFGATE3_N	→							26	
					26	MLSYNC_N	→							25	
					27	GND								24	
					28	CLK_IP	←							23	
					29	GND								22	
					30	IPDAT30	←							21	
					31	IPDAT31	←							20	
					32	IPDAT32	←							19	
					33	IPDAT33	←							18	
					34	GND								17	
					35	IPDAT20	←							16	
					36	IPDAT21	←							15	
					37	IPDAT22	←							14	
					38	IPDAT23	←							13	
					39	GND								12	
					40	IPDAT10	←							11	
					41	IPDAT11	←							10	
					42	IPDAT12	←							9	
					43	IPDAT13	←							8	
					44	GND								7	
					45	IPDAT00	←							6	
					46	IPDAT01	←							5	
					47	IPDAT02	←							4	
					48	IPDAT03	←							3	
					49	GND								2	
					50	IPLGATE_N	←							1	
50	MOB01480	CN1	CN501	CTL	1	FG_OPU		-		-	CN3	CN3	OPRB	15	
					2	GND		-						14	
					3	PANEL_IRQ_N	←	Interrupt Detection	Normal					13	
					4	OPE_RST_N	→	Reset	Normal					12	
					5	N.C.								11	
					6	N.C.(PW_BTN_N)								10	
					7	3.3VE								9	
					8	UART_RXD	↔							8	
					9	5VE								7	
					10	UART_TXD	↔							6	
		CN2	CN515	CTL	1	3.3VE									5
					2	I2C_SDA	↔							4	
					3	I2C_SCL	→							3	
					4	IRQ_N	←	Interrupt Detection	Normal					2	
					5	GND								1	
					6	N.C.								-	
					1	VBUS								1	
					2	D-	↔							2	
					3	D+	↔							3	
					4	ID								4	
5	GND				5										
6	MicB_SSRX-(N.C.)				-										
7	MicB_SSRX+(N.C.)				-										
8	GND_DRAIN(N.C.)				-										
9	MicB_SSTX-(N.C.)				-										
10	MicB_SSTX+(N.C.)				-										
51	MOB01481	CN500	-	CTL	1	UART_TXD	↔			-	CN1	-	OPRB	10	
					2	5VE								9	
					3	UART_RXD	↔							8	
					4	3.3VE								7	
					5	N.C.(PW_BTN_N)								6	
					6	N.C.								5	
					7	OPE_RST_N	←	Reset	Normal					4	
					8	PANEL_IRQ_N	→	Interrupt Detection	Normal					3	
					9	GND								2	
					10	FG_OPU								1	
52	MOB01482	CN1	CN1	Operation Panel (4-line LCD)	1	3.3VE				-	CN2	CN4	OPRB	5	
					2	I2C_SDA	↔							4	
					3	I2C_SCL	→							3	
					4	IRQ_N	←	Interrupt Detection	Normal					2	
					5	GND								1	
53	MOB01483	CN1	CN5	OPRB	1	Reserved (WLAN_REQ_N)				-	CN2	CN1	NFC Board	16	
					2	WLAN_PD_N	→	Power OFF	Power ON					15	
					3	3.3VE								14	
					4	GND								13	
					5	SD_WLAN_CLK	→							12	
54	MOB05225	CN502	-	CTL	6	GND				-	J3	-	WLAN	11	
					7	SD_WLAN_DATA3	↔							10	
					8	SD_WLAN_DATA2	↔							9	
					9	SD_WLAN_DATA1	↔							8	
					10	SD_WLAN_DATA0	↔							7	
					11	SD_WLAN_CMD	↔							6	
					12	N.C.								5	
					13	N.C.								4	
					14	N.C.								3	
					15	N.C.								2	
					16	GND								1	

D0A0/D0AA/D0AB Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)			
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.
68	D0A05611	CN306	CN306	CTL	1	GND				-	CN322	CN322	Scanner HP Sensor	3
					2	FB HPS N	←	HP Outside	HP Inside					2
					3	+5V SCN								1
					4	GND								
					5	FB DFS N	←	DFP Outside	DFP Inside					3
					6	+5V SCN								2
					7	GND								1
					8	AKS	←	Cover Open	Cover Close					3
					9	+5VE Z								2
69	D0A05613	CN304	CN304	CTL	1	DF MOT M	↔			-	CN330	CN330	DF Drive Motor	6
					2	DF MOT P	↔							5
					3	+5V SCN								4
					4	GND								3
					5	ENC B	←							2
					6	ENC A	←							1
					1	SCN CL	←	ON	OFF					14
					2	+24V CL								13
					3	+5VE Z								12
					4	DF DOC N	←	Paper Not Detected	Paper Detected					11
					5	GND D								10
					6	DF SET N	←	Paper Detected	Paper Not Detected					9
	7	DF CVR N	←	Cover Open	Cover Close	8								
	8	GND D				7								
	9	+5V SCN				6								
	10	DF REG N	←	Paper Not Detected	Paper Detected	5								
	11	GND D				4								
	12	DF FEED N	←	Paper Not Detected	Paper Detected	3								
	13	GND D				2								
	14	DF DOCM N	←	Paper Detected	Paper Not Detected	1								
		T1	-	-	-	1	T2	-	FG	1				
		T3	-	-	-	1	T4	-	FG	1				
		T5	-	-	-	1	T6	-	FG	1				
	70	D0A05614	CN314	CN314	DFRB	1	SCL CL	←	ON	OFF	-	JCN331	CN331	DF Feed Clutch
2						+24V CL				1				
3						N.C.								
4						N.C.								
5						N.C.								
6						GND D								
7						DF SET N	←	Paper Detected	Paper Not Detected	3				
8						+5VE Z				2				
9						GND D				1				
10						DF CVR N	←	Cover Open	Cover Close	3				
11						+5V SCN				2				
12						GND D				1				
13						DF REG N	←	Paper Not Detected	Paper Detected	3				
14						+5V SCN				2				
15						GND D				1				
16						DF FEED N	←	Paper Not Detected	Paper Detected	3				
17						+5V SCN				2				
18						GND D				1				
19						DF DOCM N	←	Paper Detected	Paper Not Detected	3				
20						+5V SCN				2				
71	D0A05615	CN339	JCN338	-	1	GND D				-	CN333	CN333	Bypass Paper End Sensor	3
					2	DF DOCM N	←	Paper Detected	Paper Not Detected					2
					3	+5V SCN								1
72	D0A05627	CN301	-	CTL	1	FB LED2 ANODE	→			-	CN1	-	CIS	20
					2	FB LED2 R	←	OFF	ON					19
					3	FB LED2 B	←	OFF	ON					18
					4	FB LED2 G	←	OFF	ON					17
					5	FB LED1 ANODE	→							16
					6	FB LED1 R	←	OFF	ON					15
					7	FB LED1 B	←	OFF	ON					14
					8	FB LED1 G	←	OFF	ON					13
					9	GND								12
					10	FB VOUT2	←		Analog					11
					11	GND								10
					12	FB VOUT1	←		Analog					9
					13	GND								8
					14	FB VOUT0	←		Analog					7
					15	FB MODE	→							6
					16	GND								5
					17	FB VCC								4
					18	FB REF								3
					19	FB SP	→							2
					20	FB CLK	→							1
73	D0A05628	CN302	-	CTL	1	DF LED2 ANODE	→			-	CN311	-	DFRB	20
					2	DF LED2 R	←	OFF	ON					19
					3	DF LED2 B	←	OFF	ON					18
					4	DF LED2 G	←	OFF	ON					17
					5	DF LED1 ANODE	→							16
					6	DF LED1 R	←	OFF	ON					15
					7	DF LED1 B	←	OFF	ON					14
					8	DF LED1 G	←	OFF	ON					13
					9	GND								12
					10	DF VOUT2	←		Analog					11
					11	GND								10
					12	DF VOUT1	←		Analog					9
					13	GND								8
					14	DF VOUT0	←		Analog					7
					15	DF MODE	→							6
					16	GND								5
					17	DF VCC								4
					18	DF REF								3
					19	DF SP	→							2
					20	DF CLK	→							1
74	D0A05629	CN312	-	DFRB	1	DF LED2 ANODE	→			-	CN1	-	CIS	20
					2	DF LED2 R	←	OFF	ON					19
					3	DF LED2 B	←	OFF	ON					18
					4	DF LED2 G	←	OFF	ON					17
					5	DF LED1 ANODE	→							16
					6	DF LED1 R	←	OFF	ON					15
					7	DF LED1 B	←	OFF	ON					14
					8	DF LED1 G	←	OFF	ON					13
					9	GND								12
					10	DF VOUT2	←		Analog					11
					11	GND								10
					12	DF VOUT1	←		Analog					9
					13	GND								8
					14	DF VOUT0	←		Analog					7
					15	DF MODE	→							6
					16	GND								5
					17	DF VCC								4
					18	DF REF								3
					19	DF SP	→							2
					20	DF CLK	→							1

M0B0/D0A0/D0AA/D0AB ELECTRICAL COMPONENT LAYOUT

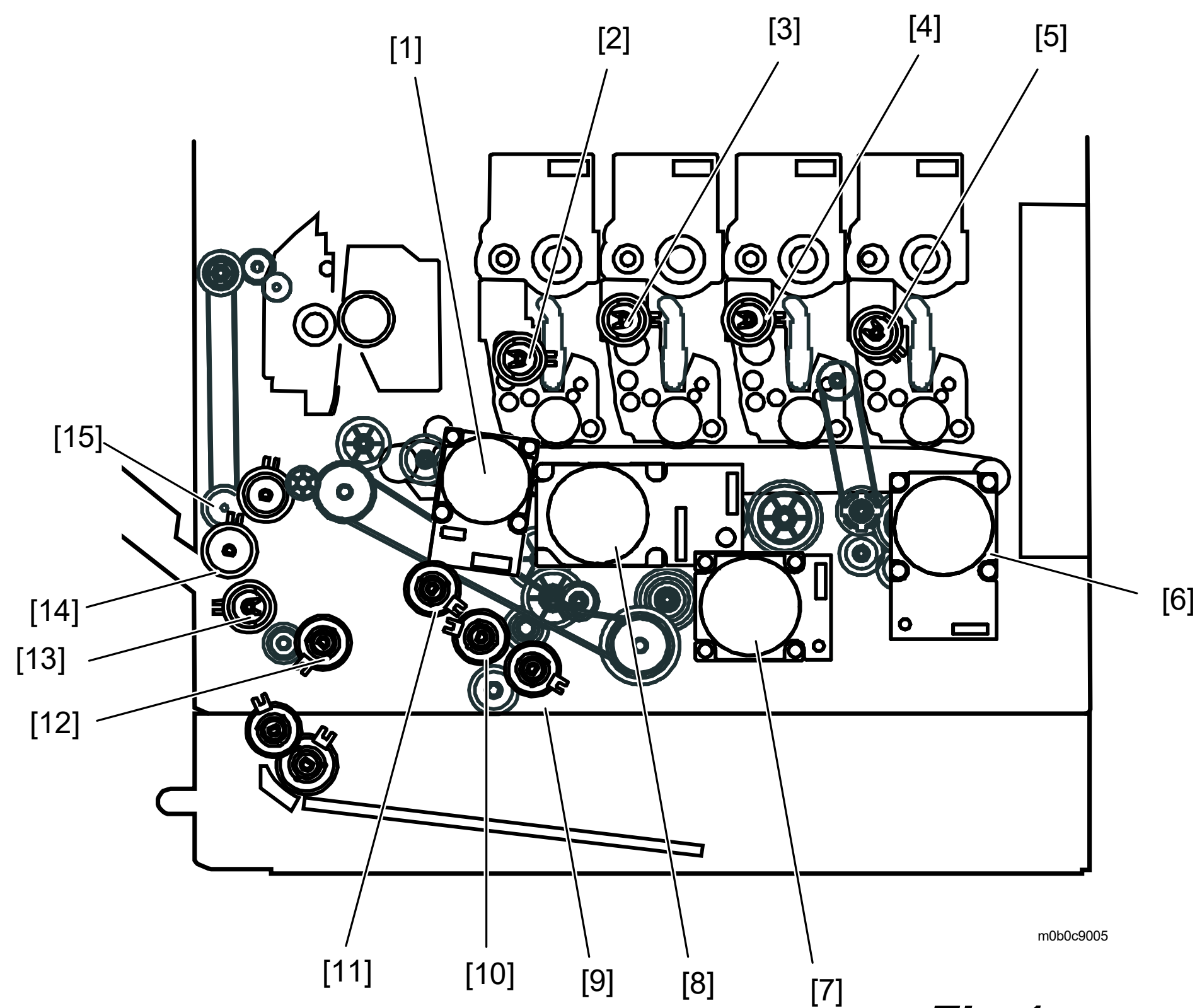


Fig.1

m0b0c9005

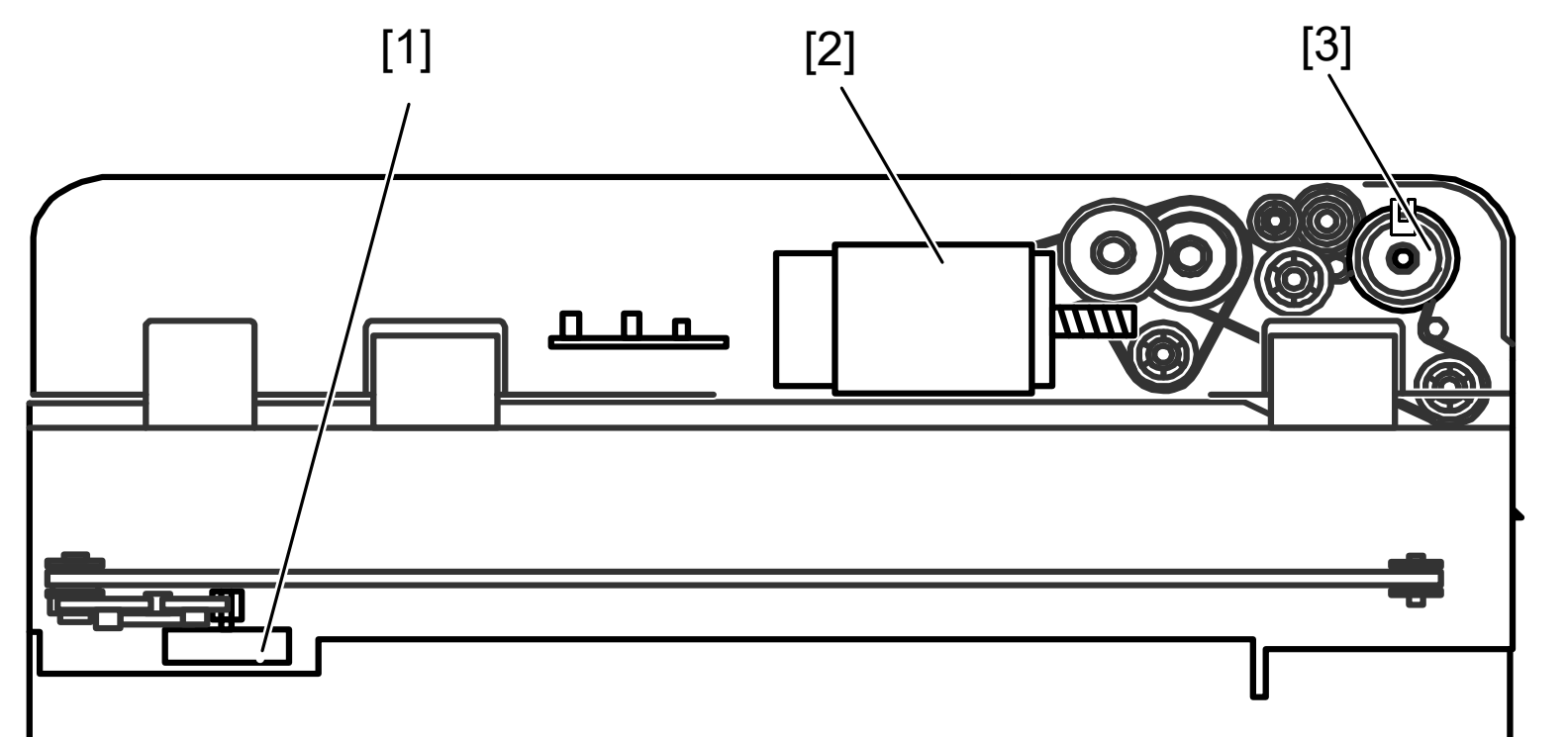


Fig.2

m0b0c9006

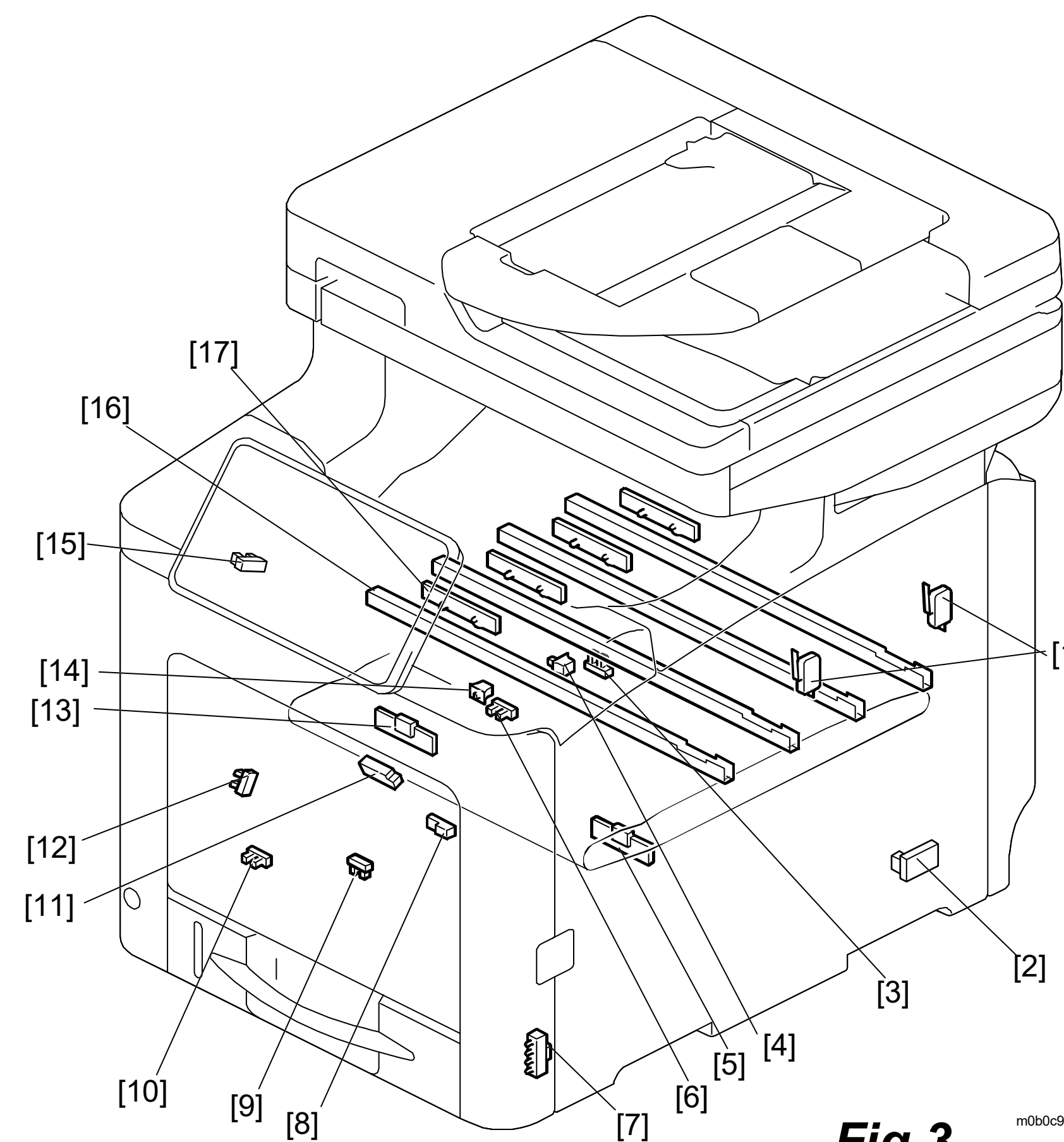


Fig.3

m0b0c9007

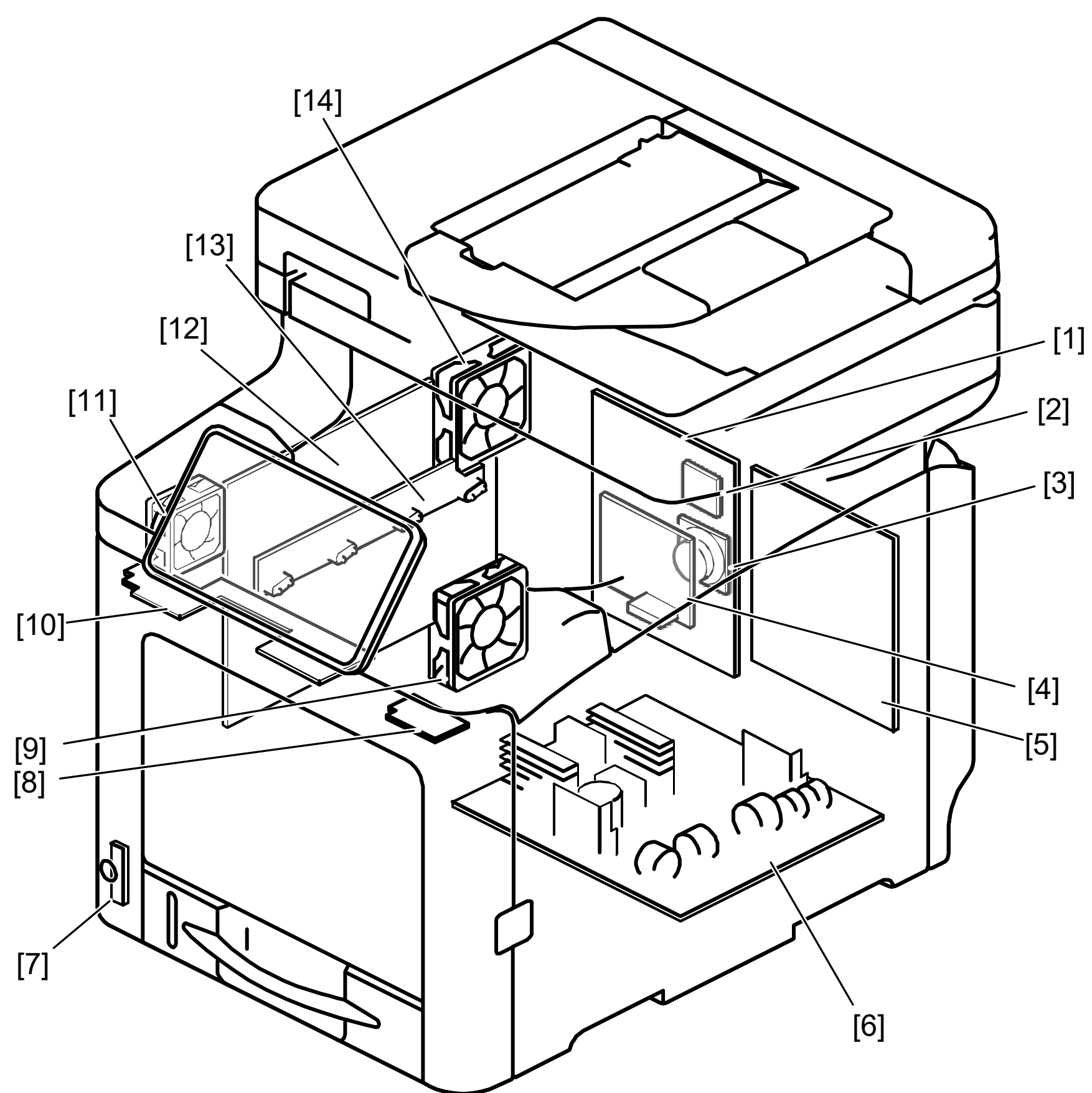


Fig.4

m0b0c9008

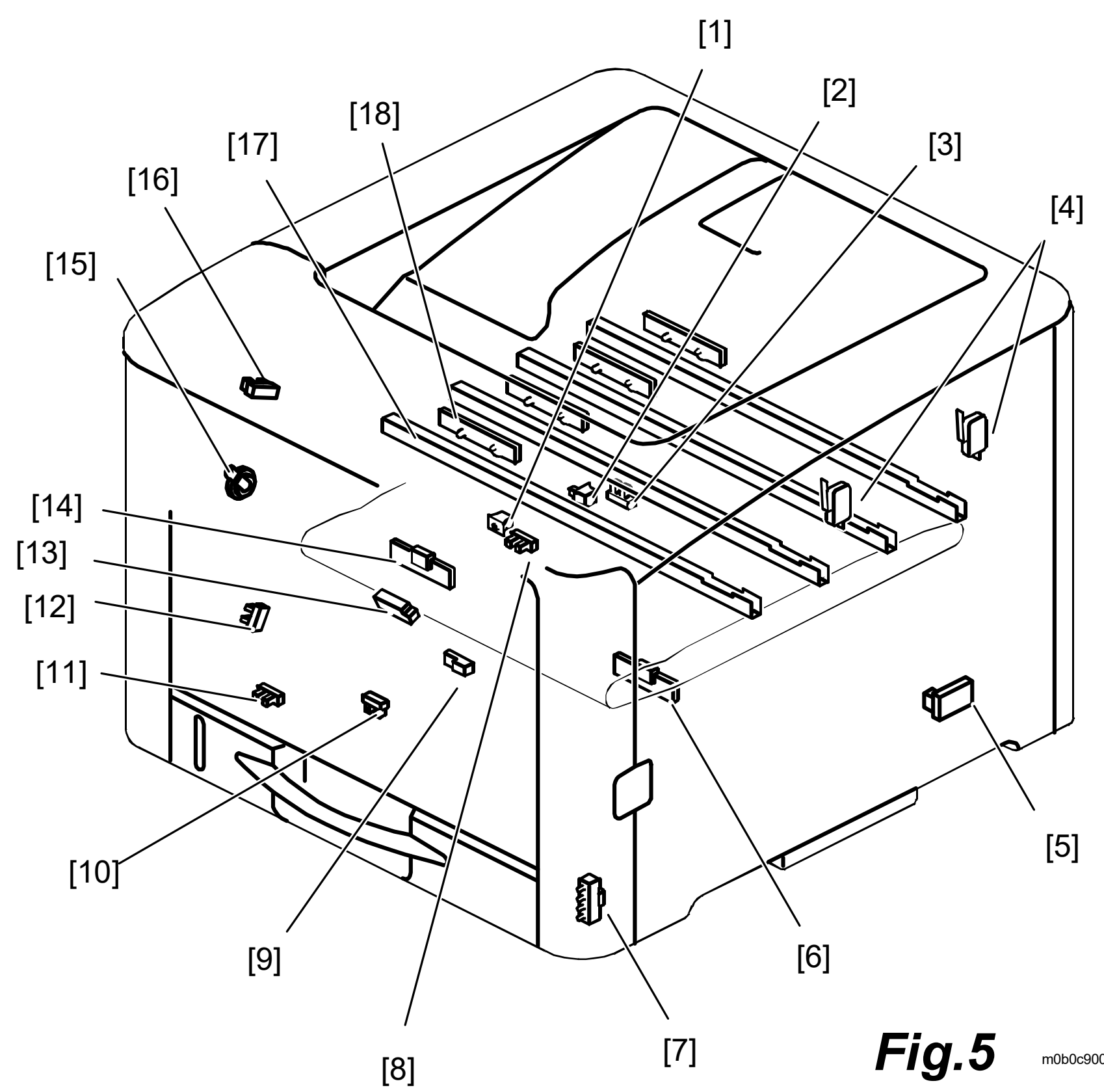


Fig.5

m0b0c9009

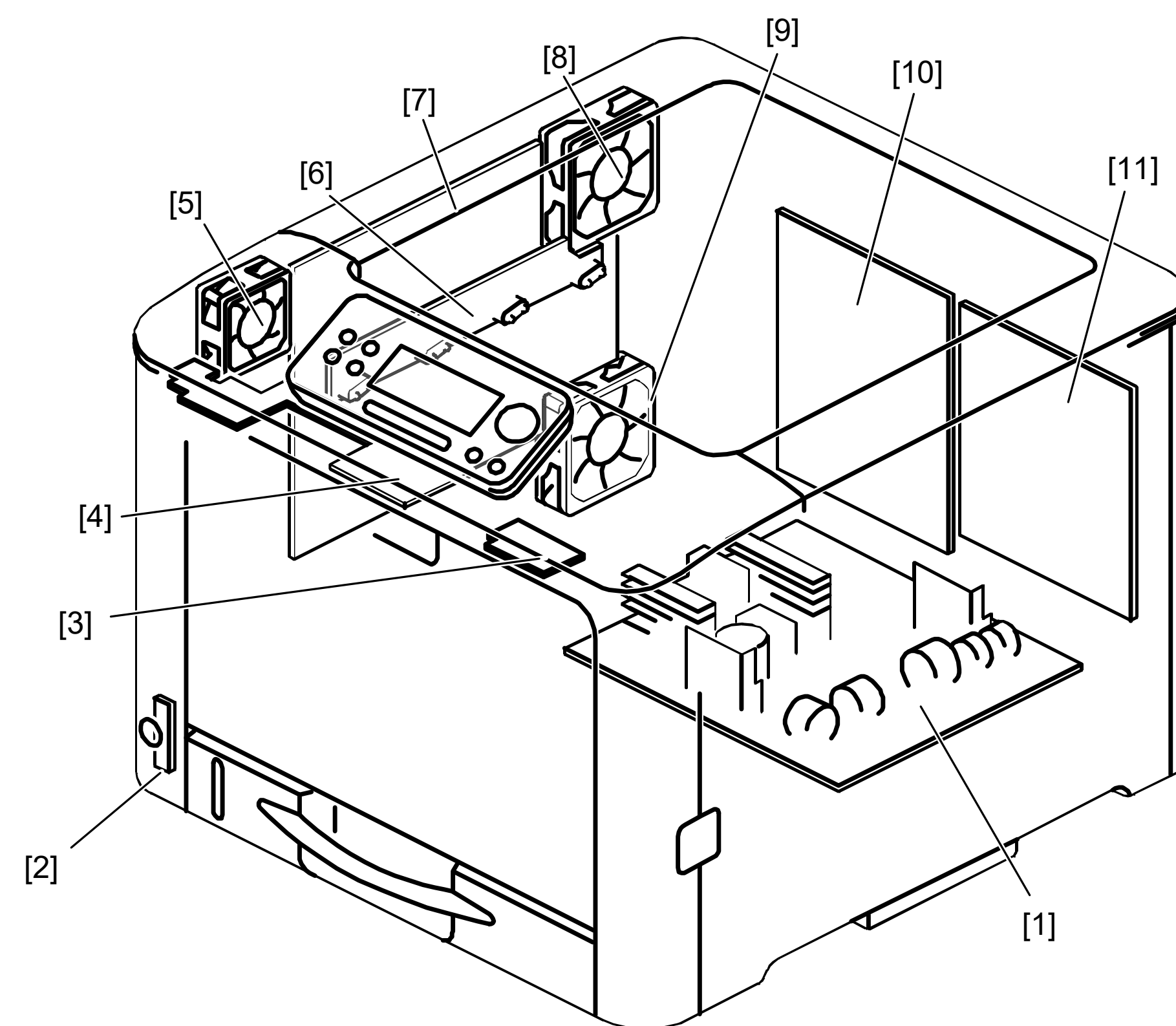
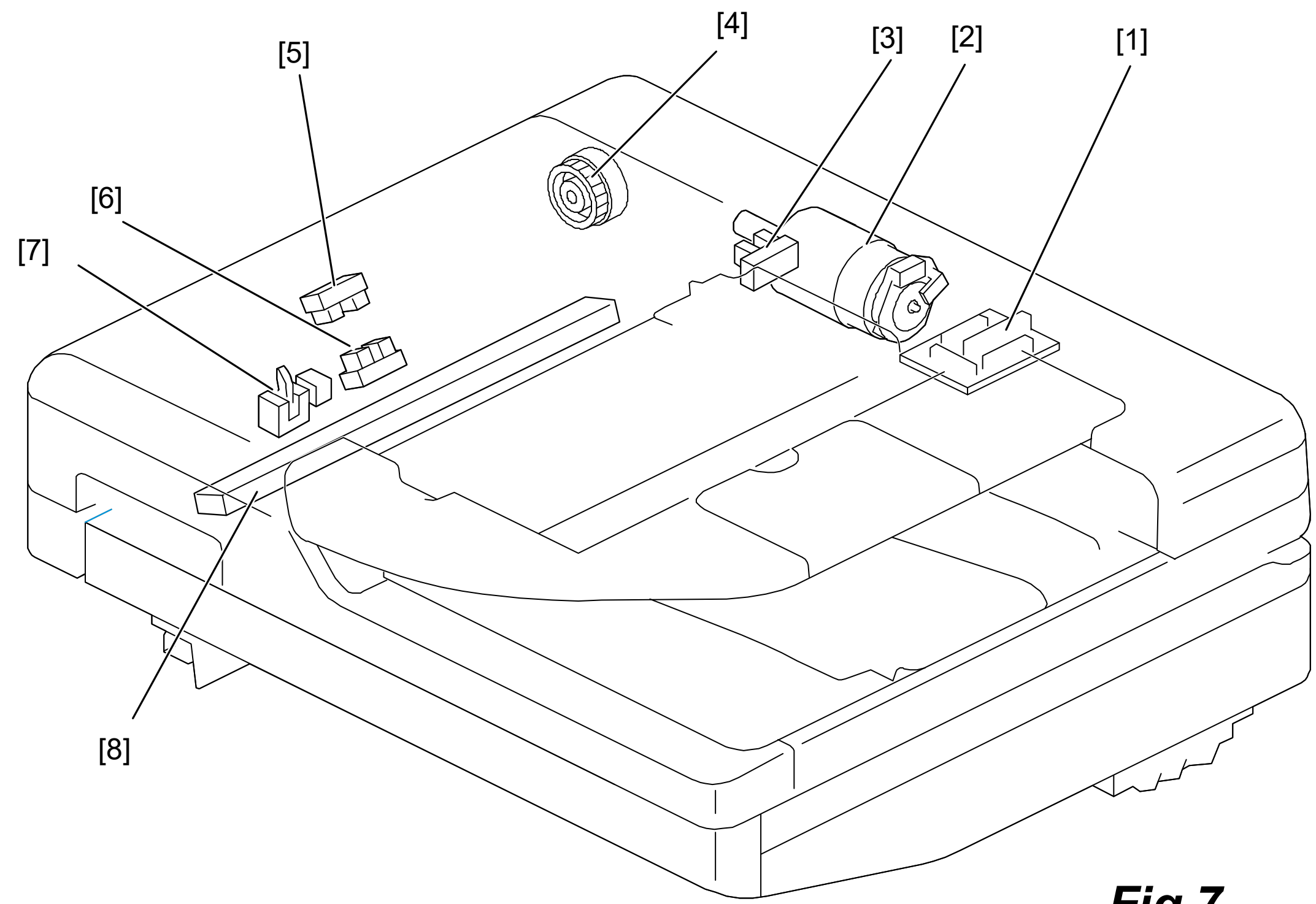


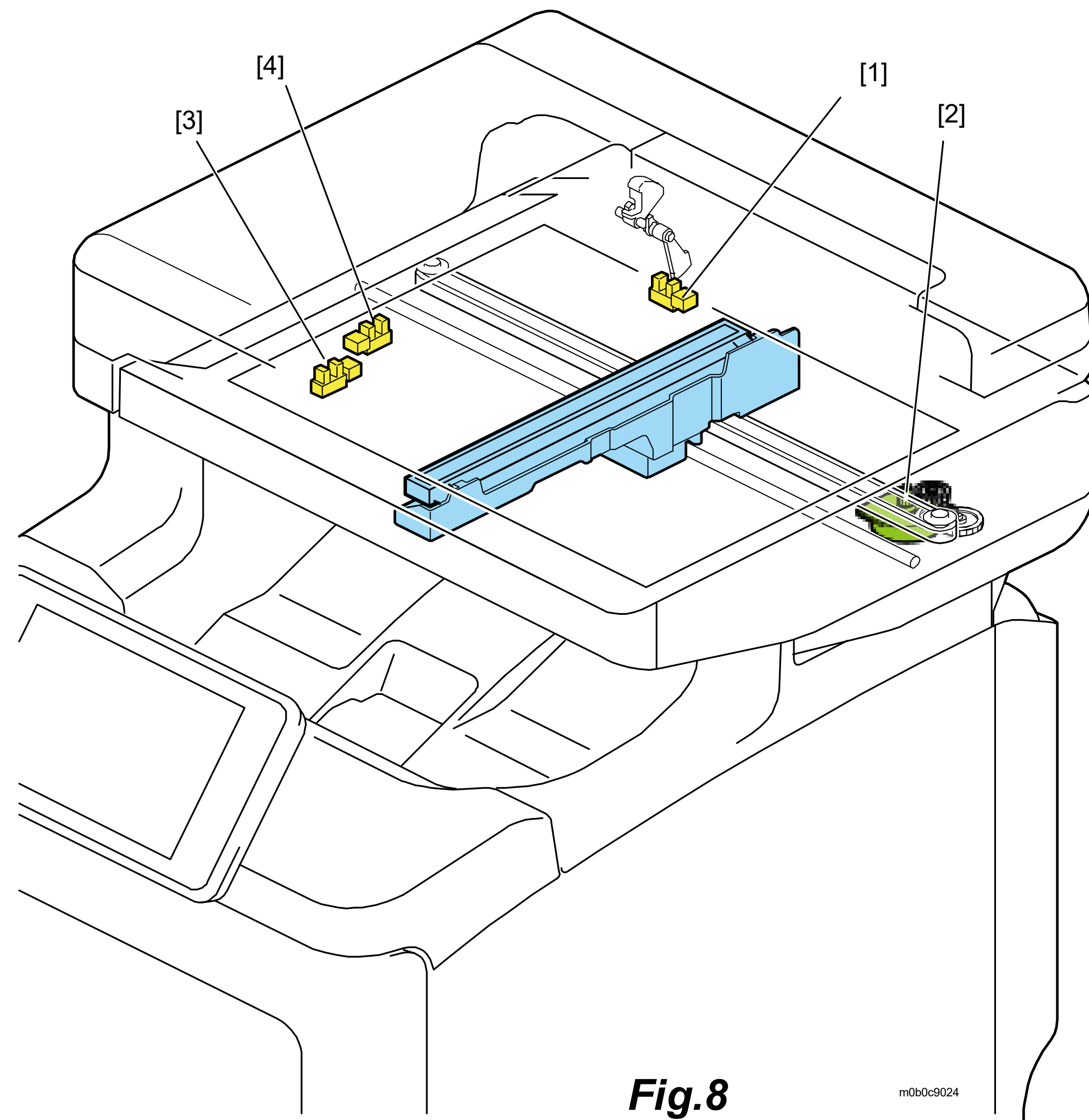
Fig.6

m0b0c9010

M0B0/D0A0/D0AA/D0AB ELECTRICAL COMPONENT LAYOUT



m0b0c9012



m0b0c9024

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.3-3 Fig.5-3	Paper Exit Full Sensor	G6
S2	Fig.3-2 Fig.5-5	Temperature/Humidity Sensor	G7
S3	Fig.3-7 Fig.5-7	Paper Size Sensor	G8
S4	Fig.3-17 Fig.5-18	Toner End Sensor (K)	G9
S5	Fig.3-17 Fig.5-18	Toner End Sensor (C)	G9
S6	Fig.3-17 Fig.5-18	Toner End Sensor (M)	G10
S7	Fig.3-17 Fig.5-18	Toner End Sensor (Y)	G10
S8	Fig.3-4	ITB Contact Sensor	D11
S9	-	Thermopile	D7
S10	Fig.5-13	Fusing Entrance Sensor	D8
S11	Fig.3-9 Fig.5-10	Duplex Sensor	D8
S12	Fig.3-10 Fig.5-11	Bypass Paper End Sensor	D8
S13	-	Bypass Bottom Plate Registration Sensor	E8
S14	Fig.3-14 Fig.5-1	Waste Toner Bottle Set Sensor	C9
S15	Fig.3-6 Fig.5-2,8	Waste Toner Full Sensor	C9
S16	Fig.3-15 Fig.5-16	Paper Exit Sensor	C9
S17	Fig.3-5,13 Fig.5-6,14	TM(ID) Sensor 1	D10
S18	Fig.3-5,13 Fig.5-6,14	TM(ID) Sensor 2	D10
S19	Fig.3-8 Fig.5-9	Registration Sensor	C10
S20	Fig.3-12 Fig.5-12	Paper End Sensor	D10
S21	Fig.8-3	Scanner HP Sensor	C3
S22	Fig.8-4	DF Scanning Position Sensor	C4
S23	Fig.7-3 Fig.8-1	DF Set Sensor	C4
S24	-	Top Cover Set Sensor	B5
S25	Fig.7-5	Registration Sensor	B5
S26	-	DF Feed Sensor	B5
S27	Fig.7-6	Original Set Sensor	B5
S28	Fig.7-7	ID Card Set Sensor	B5
Motors			
M1	Fig.1-1	Transfer/Transport Motor	G4
M2	Fig.1-7	Fusing Motor	G4
M3	Fig.1-6	Drum/Development Motor (K)	G4
M4	Fig.1-8	Drum/Development Motor (Y,M,C)	G6
M5	Fig.2-1	Scanner Motor	C4
M6	Fig.2-2	DF Drive Motor	C4
Clutches			
CL1	Fig.1-11	Registration Clutch	G3
CL2	Fig.1-9	ITB Contact Clutch	G3
CL3	Fig.1-10	Paper Feed Clutch	G3
CL4	Fig.1-5	Toner Supply Clutch (K)	G5
CL5	Fig.1-4	Toner Supply Clutch (C)	G5
CL6	Fig.1-3	Toner Supply Clutch (M)	G5
CL7	Fig.1-2	Toner Supply Clutch (Y)	G6

Symbol	Index No.	Description	P to P
PCBs			
PCB1	-	ID Chip Relay Board	G1
PCB2	Fig.4-5 Fig.6-11	EGB	F4
PCB3	Fig.4-1 Fig.6-10	CTL	E4
PCB4	Fig.4-6 Fig.6-18	PSU	D7
PCB5	Fig.4-2	WLAN Board	E2
PCB6	Fig.4-10 Fig.6-4	OPRB(Operation Panel Relay Board)	C2
PCB7	Fig.4-8 Fig.6-3	NFC Board	B2
PCB8	Fig.4-12 Fig.6-7	HVP	D9
PCB9	Fig.4-13 Fig.6-6	New PCDU Detection Board	D9
PCB10	Fig.4-4	FCU	D2
PCB11	Fig.7-8	CIS	C3, B5
PCB12	Fig.7-1	DFRB	C5
Solenoids			
SOL1	-	Toner Supply Shutter Solenoid	G1
SOL2	-	Duplex Invertor Solenoid	G6
Switches			
SW1	Fig.3-1 Fig.5-4	InterLock SW 1	C6
SW2	Fig.3-1 Fig.5-4	InterLock SW 2	C6
SW3	Fig.4-7 Fig.6-2	Main Power Switch	D8
Thermistors			
TH1	-	Thermistor(Fusing Belt)	C7
TH2	-	Thermistor(Pressure Roller)	C7
Thermostats			
TS1	-	Thermostat 1	C7
Lamps			
L1	-	LED Head (K)	G2
L2	-	LED Head (C)	G2
L3	-	LED Head (M)	G2
L4	-	LED Head (Y)	G2
L5	Fig.3-16 Fig.5-17	Discharge Lamp (K)	G9
L6	Fig.3-16 Fig.5-17	Discharge Lamp (C)	G9
L7	Fig.3-16 Fig.5-17	Discharge Lamp (M)	G10
L8	Fig.3-16 Fig.5-17	Discharge Lamp (Y)	G10
FANs			
FAN1	Fig.4-14 Fig.6-8	Cooling Fan	C9
FAN2	Fig.4-11 Fig.6-5	Fusing Fan	C9
FAN3	Fig.4-9 Fig.6-9	PSU Fan	C9