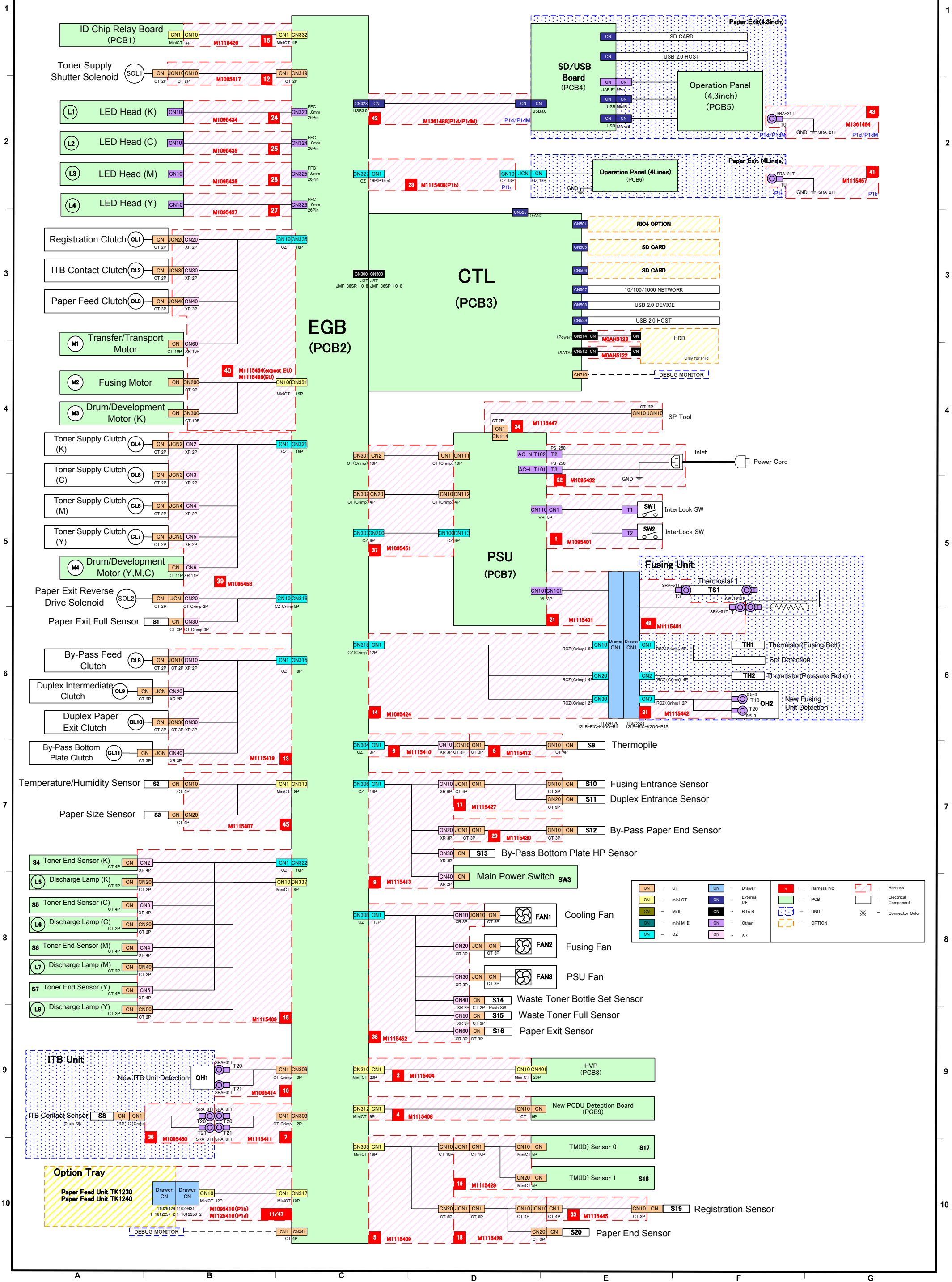
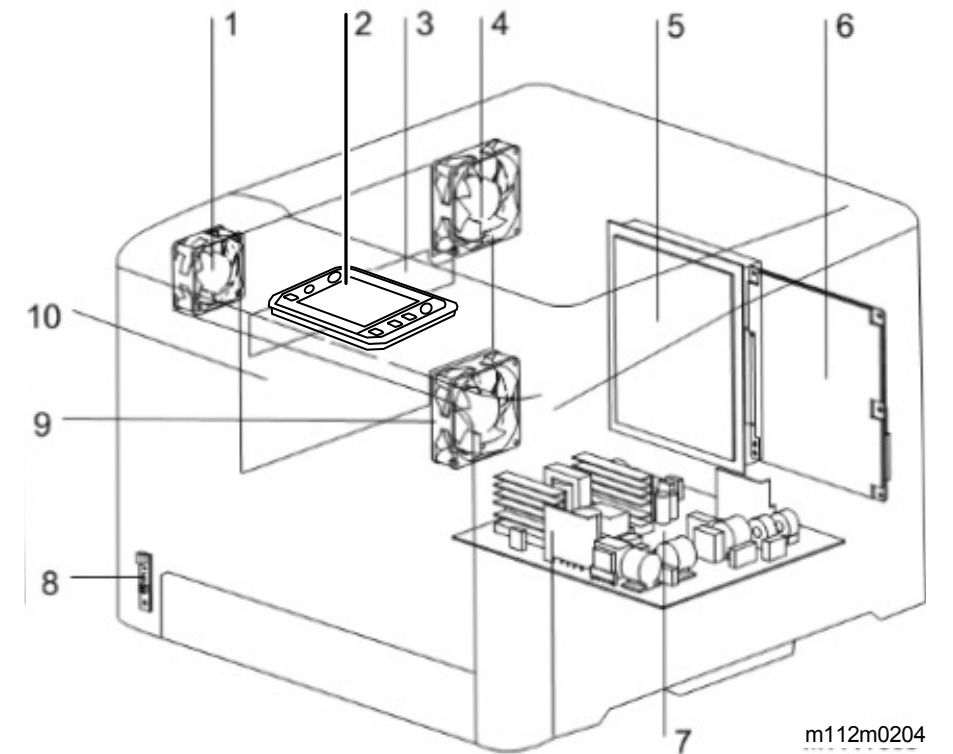
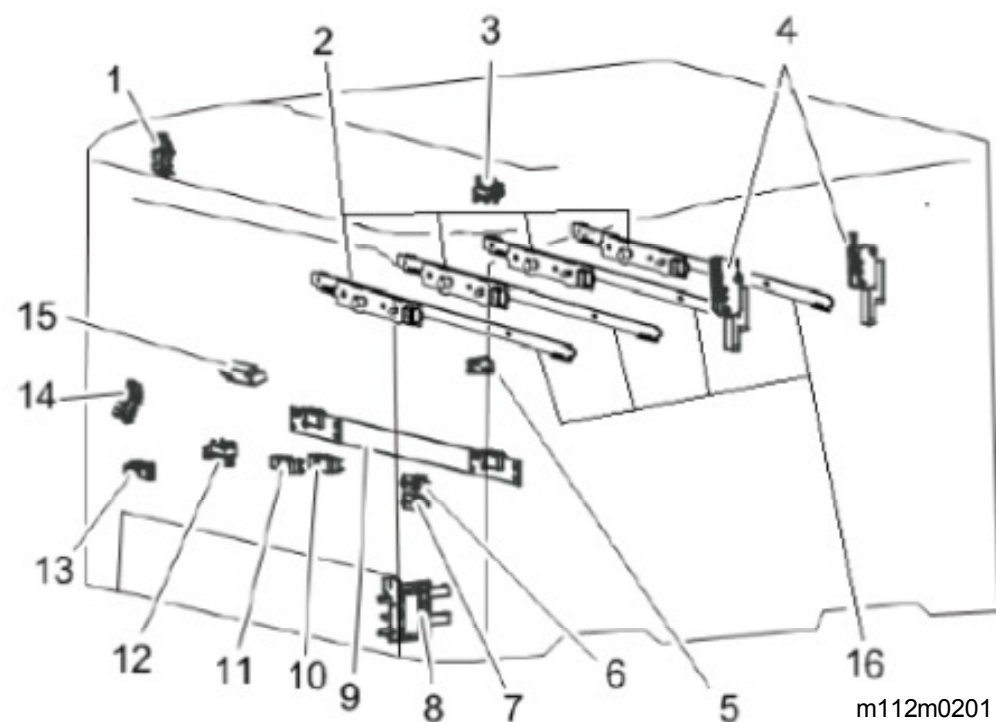
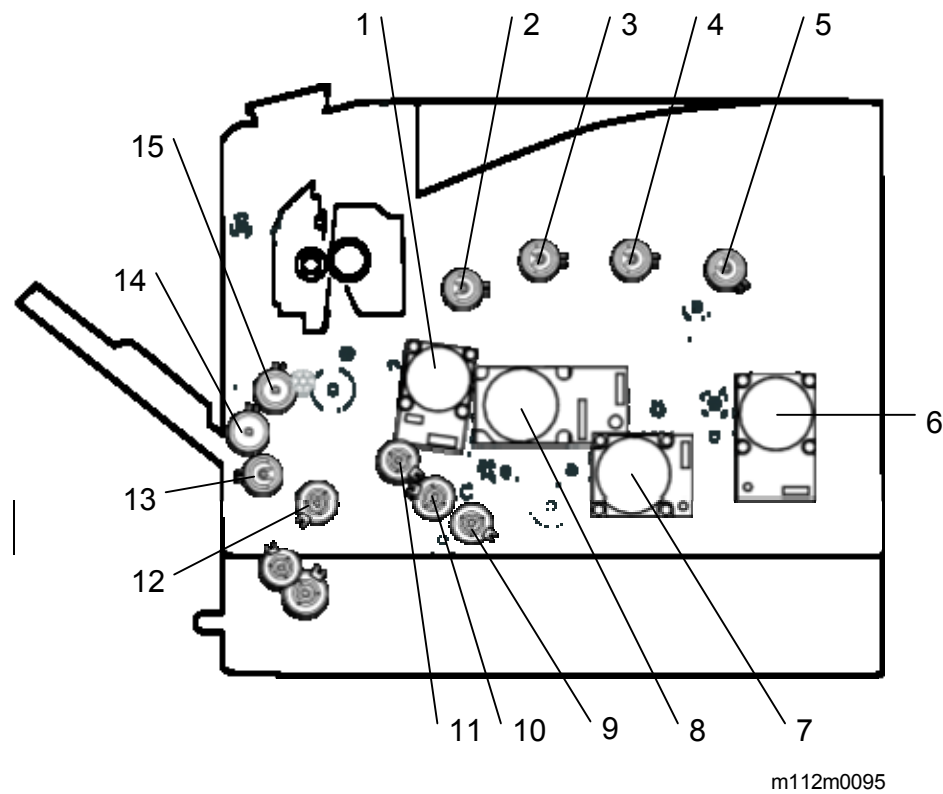


M111/M136 Point to Point Diagram





Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.2-3	Paper Exit Full Sensor	A1
S2	-	Temperature/Humidity Sensor	A7
S3	Fig.2-8	Paper Size Sensor	A7
S4	Fig.2-2	Toner End Sensor (K)	A7
S5	Fig.2-2	Toner End Sensor (C)	A8
S6	Fig.2-2	Toner End Sensor (M)	A8
S7	Fig.2-2	Toner End Sensor (Y)	A8
S8	Fig.2-8	ITB Contact Sensor	A9
S9	-	Thermopile	E7
S10	Fig.2-15	Fusing Entrance Sensor	E7
S11	Fig.2-11	Duplex Entrance Sensor	E7
S12	Fig.2-12	By-Pass Paper End Sensor	E7
S13	Fig.2-13	By-Pass Bottom Plate HP Sensor	E7
S14	Fig.2-6	Waste Toner Bottle Set Sensor	E8
S15	Fig.2-7	Waste Toner Full Sensor	E9
S16	Fig.2-1	Paper Exit Sensor	E9
S17	Fig.2-9	ID Sensor 0	E10
S18	Fig.2-9	ID Sensor 1	E10
S19	Fig.2-10	Registration Sensor	E10
S20	Fig.2-14	Paper End Sensor	E10
Motors			
M1	Fig.1-1	Transfer/Transport Motor	A4
M2	Fig.1-7	Fusing Motor	A4
M3	Fig.1-6	Drum/Development Motor (K)	A4
M4	Fig.1-8	Drum/Development Motor (Y,M,C)	A5
Clutches			
CL1	Fig.1-11	Registration Clutch	A3
CL2	Fig.1-9	ITB Contact Clutch	A3
CL3	Fig.1-10	Paper Feed Clutch	A3
CL4	Fig.1-2	Toner Supply Clutch (K)	A4
CL5	Fig.1-3	Toner Supply Clutch (C)	A4
CL6	Fig.1-4	Toner Supply Clutch (M)	A4
CL7	Fig.1-5	Toner Supply Clutch (Y)	A4
CL8	Fig.1-13	By-Pass Feed Clutch	A6
CL9	Fig.1-15	Duplex Intermediate Clutch	A6
CL10	Fig.1-12	Duplex Paper Exit Clutch	A6
CL11	Fig.1-14	By-Pass Bottom Plate Clutch	A7

Symbol	Index No.	Description	P to P
PCBs			
PCB1	-	ID Chip Relay Board	A1
PCB2	Fig.3-6	EGB	C3
PCB3	Fig.3-5	CTL	D3
PCB4	-	SD/USB Board	E1
PCB5	Fig.3-2	Operation Panel(4.3inch)	F2
PCB6	Fig.3-2	Operation Panel(4Lines)	E2
PCB7	Fig.3-7	PSU	D5
PCB8	Fig.3-10	HVP	E9
PCB9	Fig.3-3	New PCDU Detection Board	E9
Solenoids			
SOL1	-	Toner Supply Shutter Solenoid	A1
SOL2	-	Paper Exit Reverse Drive Solenoid	A5
Switches			
SW1	Fig.2-4	InterLock SW	E5
SW2	Fig.2-4	InterLock SW	E5
SW3	Fig.3-8	Main Power Switch	D8
Thermistors			
TH1	-	Thermistor(Fusing Belt)	F6
TH2	-	Thermistor(Pressure Roller)	F6
Thermostats			
TS1	-	Thermostat 1	F5
Lamps			
L1	-	LED Head (K)	A2
L2	-	LED Head (C)	A2
L3	-	LED Head (M)	A2
L4	-	LED Head (Y)	A2
L5	Fig.2-16	Discharge Lamp (K)	A8
L6	Fig.2-16	Discharge Lamp (C)	A8
L7	Fig.2-16	Discharge Lamp (M)	A8
L8	Fig.2-16	Discharge Lamp (Y)	A9
FANs			
FAN1	Fig.3-4	Cooling Fan	E8
FAN2	Fig.3-1	Fusing Fan	E8
FAN3	Fig.3-9	PSU Fan	E8

Symbol	Index No.	Description	P to P
Others			
OH1	-	New ITB Unit Detection	B9
OH2	-	New Fusing Unit Detection	F6

M111/M136 ELECTRICAL COMPONENT LAYOUT

M111/M136 Pin Assignment Lists

s No.	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 Interlock SW2	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	CN3000	New PCDU Detection Board	9		
	2				SEN_PCDUNEW_Y_P	←	Old	New	8							
	3				SEN_PCDUSET_M_P	←	Not Set	Set	7							
	4				SEN_PCDUNEW_M_P	←	Old	New	6							
	5				+24VS_LPS				5							
	6				SEN_PCDUSET_C_P	←	Not Set	Set	4							
	7				SEN_PCDUNEW_C_P	←	Old	New	3							
	8				SEN_PCDUSET_K_P	←	Not Set	Set	2							
	9				SEN_PCDUNEW_K_P	←	Old	New	1							
5	M1115409	CN1	CN305	EGB	1	+3.3V				M1115429	CN10	JCN1	TM(ID) Sensor 0	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				TM(ID) Sensor 1				5			
	7				GND								4			
	8				SEN_TM1PWM	→	OFF	ON					3			
	9				SEN_TM1D_A	←		Analog		2						
	10				SEN_TM1R_A	←		Analog	1							
	-				N.C.				M1115428	CN20	JCN1	Registration Sensor	4			
	11				GND								3			
	12				SEN_REG_N	←	Paper Detected	Paper Not Detected					2			
	13				+5V_ODM								1			
	14				GND							Paper End Sensor	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							
7	M1115411	CN1	CN303	EGB	3	TMP_A	←		Analog	M1095450	T20	T20	ITB Contact Sensor	1		
	1				+24VS_LPS				2							
					2	SEN_1TCSP	←	Contact	Not Contact		T21	T21		1		
8	M1115412	CN1	JCN10		-	N.C.					CN10	CN	Thermopile	4		
	1				+5V				3							
	2				GND				2							
	3				TMP_A	←		Analog	1							
9	M115413	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				Duplex Entrance Sensor				3			
	5				SEN_DUP_N	←	Paper Detected	Paper Not Detected					2			
	6				+5V_ODM								1			
	7				GND											
	8				SEN_HAND_N	←	Paper Detected	Paper Not Detected	M1115430	CN20	JCN1	By-Pass Paper End Sensor	3			
	9				+5V								2			
	10				GND								1			
	11				SEN_HAND_BP_P	←	Down	Up		CN30	CN	By-Pass Bottom Plate HP Sensor	3			
	12				+5V								2			
	13				GND								1			
	14				PW_BTN_N	←										
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/ 47	M1095416 M1125416	CN1	CN317	EGB	1	+5V					CN10	Drawer CN	Option Tray	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	M1095417				CN1	CN319	EGB	1	+24VS_LPS							
	2	SOL_UPCOVER_P	→	Stop				Drive	1							
13	M1115419	CN1	CN315	EGB	1	+24V_LPS					JCN10	CN	By-Pass Feed Clutch	2		
	2				CL_HAND_P	→	Stop	Drive	1							
	3				+24V_LPS				CN20					JCN	Duplex Intermediate Clutch	2
	4				CL_DUP_MID_P	→	Stop	Drive								1
	5				+24V_LPS						JCN30	CN	Duplex Paper Exit Clutch			3
	-				N.C.											2
	6				CL_DUP_OUT_P	→	Stop	Drive	1							
	-				N.C.											
	7	+24V_LPS				CN40	JCN	By-Pass Bottom Plate Clutch	3							
	8	CL_HAND_BP_P	→	Stop	Drive				2							

M111/M136 Pin Assignment Lists

s No.	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.		
14	M1095424	CN1	CN318	EGB	1	SEN_FUSET_N	←	Set	Not Set	M1115442	CN10	CN1	Fusing Set Detection	6		
					2	GND									5	
					3	NC_TH_RESERVE_A	←		Analog				Thermistor(Fusing Belt)	4		
					4	GND								3		
					5	TH_FU_EDGE_A	←		Analog		2					
					6	GND					1					
					7	TH_HEAT_A	←		Analog		CN20	CN2	Thermistor(Pressure Roller)	4		
					8	GND								3		
					9	TH_EDGE_A	←		Analog					2		
					10	GND								1		
					11	+24VS2					CN30	CN3	New Fusing Unit Detection	2		
					12	SEN_FU_NEW_P	←	Old	New					1		
15	M1115469	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					CN3	CN	Toner End Sensor (C)
					5	GND					3					
					6	SEN_TE_C_A	←		Analog		2					
					7	GND					1					
					8	SEN_TEON1_P	→	OFF	ON		CN4	CN	Toner End Sensor (M)	4		
					9	GND								3		
					10	SEN_TE_M_A	←		Analog					2		
					11	GND								1		
					12	SEN_TEON1_P	→	OFF	ON		CN5	CN	Toner End Sensor (Y)	4		
					13	GND								3		
					14	SEN_TE_Y_A	←		Analog					2		
					15	GND								1		
					16	SEN_TEON1_P	→	OFF	ON		CN20	CN	Discharge Lamp (K)	2		
		1	QLBK_P	→	OFF	ON	1									
		2	+24V_LPS				CN30	CN	Discharge Lamp (C)					2		
		3	QLCOL_P	→	OFF	ON								1		
		4	+24V_LPS				CN40	CN	Discharge Lamp (M)					2		
		5	QL_COL_P	→	OFF	ON								1		
		6	+24V_LPS				CN50	CN	Discharge Lamp (Y)					2		
		7	QL_COL_P	→	OFF	ON								1		
		8	+24V_LPS													
16	M1115426	CN1	CN332	EGB	1	GND					CN10	CN	ID Chip Relay Board	4		
					2	ID_SDA								3		
					3	ID_SCL	→							2		
					4	+3.3V_ID2								1		
17	M1115427	CN1	CN10		1	GND					CN10	CN	Fusing Entrance Sensor	3		
					2	SEN_PAPERON_P	←	Paper Detected	Paper Not Detected					2		
					3	+5V_ODM								1		
					4	GND					CN20	CN	Duplex Entrance Sensor	3		
					5	SEN_DUP_N	←	Paper Detected	Paper Not Detected					2		
					6	+5V_ODM								1		
18	M1115428	CN1	CN20		-	NC				M1115445	CN10	CN	Registration Sensor	4		
					1	GND								3		
					2	SEN_REG_N	←	Paper Detected	Paper Not Detected					2		
					3	+5V_ODM					CN20	CN	Paper End Sensor	1		
					4	GND								3		
					5	SEN_PAPEND_N	←	Paper Detected	Paper Not Detected					2		
19	M1115429	CN1	CN10		6	+5V					CN10	CN	TM(ID) Sensor 0	1		
					1	+3.3V								5		
					2	GND								4		
					3	SEN_TM0PWM	→	OFF	ON					3		
					4	SEN_TM0R_A	←		Analog		CN20	CN	TM(ID) Sensor 1	2		
					5	SEN_TM0D_A	←		Analog					1		
					6	+3.3V								5		
					7	GND								4		
					8	SEN_TM1PWM	→	OFF	ON					3		
					9	SEN_TM1R_A	←		Analog					2		
10	SEN_TM1D_A	←		Analog	1											
20	M1115430	CN1	CN20		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	-		
					-	N.C.								1		
					2	AC_N_HT								2		
					3	AC_L_HT								4		
					-	N.C.								3		
22	M1095432	T2	AC-N101	PSU	1	AC_IN_N					Inlet-N		Inlet	1		
		T3	AC-L102						Inlet-L		2					
23	M1115406	CN1	CN327	EGB	1	AC_IN_L					CN10	CN	Operation Panel(4Lines)	13		
					2	GND								12		
					3	GND								-		
					4	POKOPE	←							11		
					5	SDMODE_N	→							10		
					6	LDET_IN_N	←							9		
					7	ENG_ENABLE_N	→							-		
					8	PONOPE_N	→							8		
					9	ECO_SW_N	←							7		
					10	POKUSB	→							-		
					11	OPE_CTLERR_N	→							-		
					12	OPE_LED_N	→							-		
					13	+5VX_OPU								6		
					14	+5VX_OPU								-		
					15	OP0_CLK	→							5		
					16	+5VX_OPU								4		
					17	OP0_TXD	→							3		
					18	+5VX_OPU								2		
					19	OP0_RXD	←							1		

M111/M136 Pin Assignment Lists

s No.	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.
24	M1095434		CN323	EGB	1	GND					CN10	CN	LED Head (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	CN	LED Head (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	CN	LED Head (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	CN	LED Head (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

M111/M136 Pin Assignment Lists

s No.	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	Fusing Drawer	1	+24VS2					T10		New Fusing Unit Detection	1
					2	SEN_FU_NEW_P	←	Old	New		T20			1
33	M1115445	CN1	CN10		1	N.C.					CN10	CN	Registration Sensor	–
					2	GND								3
					3	SEN_REG_N	←	Paper Detected	Paper Not Detected					2
					4	+5V_ODM								1
34	M1115447	CN1	CN114	PSU	1	JIGU_24V					JCN10		SP Tool	2
					2	JIGU_TRG								1
36	M1095450	T20	T20		1	+24VS_LPS					CN1	CN	ITB Contact Sensor	1
		T21	T21		1	SEN_ITCSP	←							2
37	M1095451	CN2	CN301	EGB	1	GND					CN1	CN111	PSU(+24V)	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		1	GND					CN10	CN112	PSU(+5V)	4
					2	GND								3
					3	+5VX								2
					4	+5VX								1
		CN200	CN307		1	HT_TRG_P	→				CN100	CN113	PSU(Control)	6
					2	RESERVE_HT_TRG_P								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		CN10	CN	Cooling Fan	3
					2	FAN_MINLOCK_N	←	Normal	Error					2
					3	GND								1
					4	FAN_FU_P	→	Stop	Drive		CN20	CN	Fusing Fan	3
					5	FAN_FULOCK_N	←	Normal	Error					2
					6	GND								1
					7	FAN_PSU_P	→	Stop	Drive		CN30	CN	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	←	Not Full	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					CN2	CN	Toner Supply Clutch (K)	2
					2	CL_TR_K_P	→	Stop	Drive					1
					3	+24V_LPS					CN3	CN	Toner Supply Clutch (C)	2
					4	CL_TR_C_P	→	Stop	Drive					1
					5	+24V_LPS					CN4	CN	Toner Supply Clutch (M)	2
					6	CL_TR_M_P	→	Stop	Drive					1
					7	+24V_LPS					CN5	CN	Toner Supply Clutch (Y)	2
					8	CL_TR_Y_P	→	Stop	Start					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	CN	Paper Exit Reverse Drive Solenoid	2
					2	SOL_PAPOUT_P	→	Stop	Drive					1
					3	GND					CN30	CN	Paper Exit Full Sensor	3
					4	SEN_PEFULL_N	←	Paper Detected	Paper Not Detected					2
					5	+5V_ODM								1

M111/M136 Pin Assignment Lists

s No.	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.
40	M1115454 /M1115468	CN10	CN335	EGB	1	+24V_LPS					CN20	CN	Registration Clutch	2
					2	CL_REG_P	→	Stop	Drive					1
					3	+24V_LPS					CN30	CN	ITB Contact Clutch	2
					4	CL_1TCSP_P	→	Stop	Drive					1
					5	+24V_LPS					CN40	CN	Paper Feed Clutch	3
					6	CL_PAP_P	→	Stop	Drive					2
					-	N.C.								1
					7	N.C.								
					8	N.C.								
					9	DM_MIDFEEDGAIN	→	Half Speed	Std Speed		CN60	CN	Transfer/Transport Motor	10
					10	DM_MIDFEEDCLK	→							9
					11	DM_MIDFEEDBK_P	→	Stop	Drive					8
					12	DM_MIDFEEDCW	→	Forward	Reverse					7
					13	DM_MIDFEEDON_N	→	Start	Stop					6
					14	DM_MIDFEEDLOCK_N	←	Drive	Stop					5
					15	GND								4
					16	GND								3
					17	+24VS2								2
					18	+24VS2								1
		CN100	CN331	EGB	1	DM_FUGAIN	→	Half Speed	Std Speed		CN200	CN	Fusing Motor	9
					2	DM_FUCLK	→							8
					3	DM_FUCW	→	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
41	M1115457	T1			1	GND					T10		Operation Panel(4Lines)	1
42	M1361488	CN1	CN328	EGB	1	+5VX_OPU					CN2	CN	SD/USB Board	1
					2	OPE_USB_M								2
					3	OPE_USB_P								3
					4	MUL_TPG_N								4
					5	GND								5
					6	SUBLINK_M								6
					7	SUBLINK_P								7
					8	GND								8
					9	VBY_TX_M								9
					10	VBY_TX_P								10
43	M1361464	T1			1	GND					T10		SD/USB Board	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_PSIZE2_N	←				CN20	CN	Paper Size Sensor	4
					6	SEN_PSIZE1_N	←							3
					7	GND								2
					8	SEN_PSIZE0_N	←							1
48	M1115401	CN1	CN1	Fusing Drawer	1	N.C							Thermostat 1	-
					2	AC_N_LHT					T1			1
					3	N.C							Fusing Heater	-
					4	AC_L_HT					T3			1