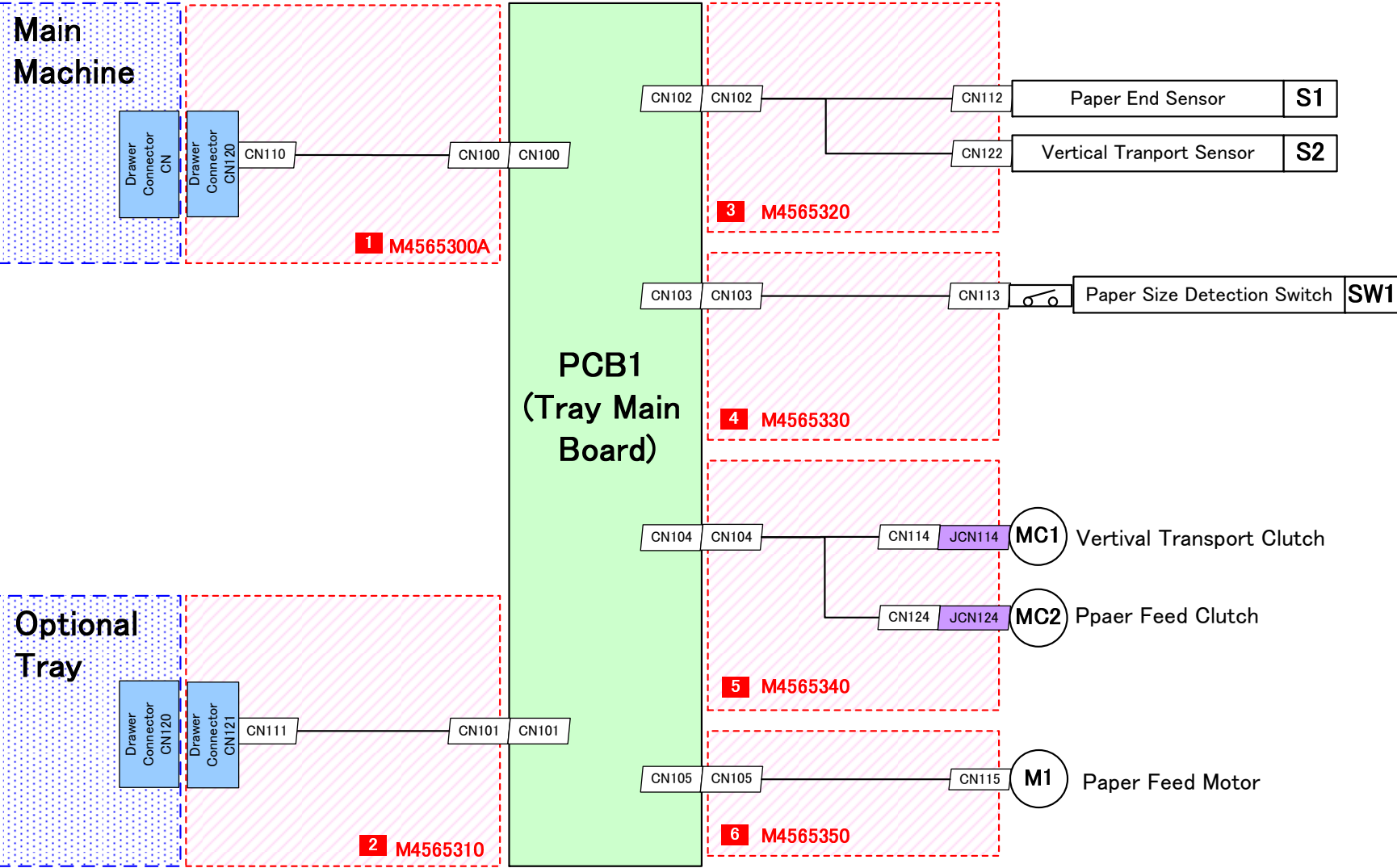


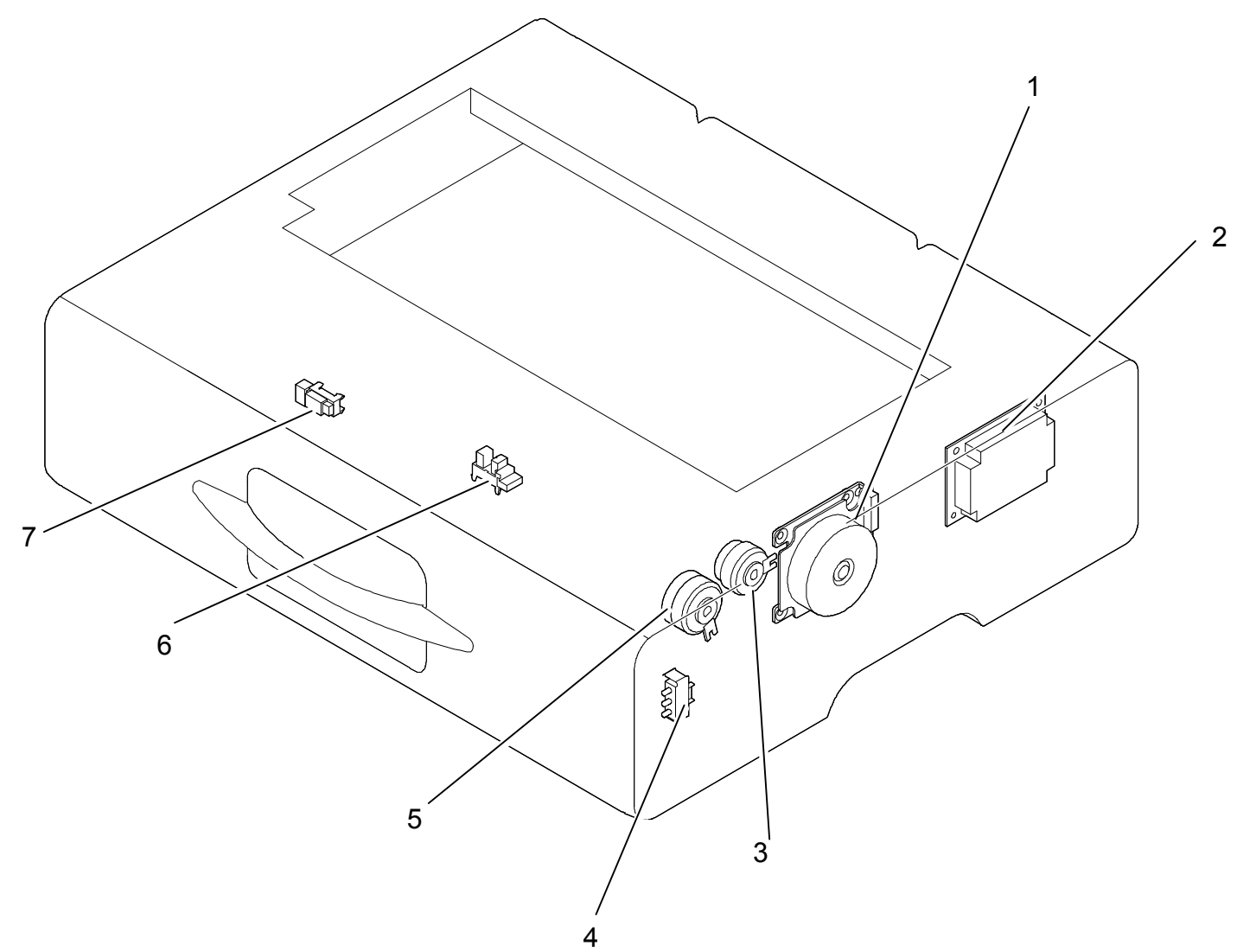
M456 POINT TO POINT DIAGRAM



PIN ASIGN LIST

Harness No.	Connector (From)			Signal Information		Connector (To)		
	To Connector	Addr.	Pin No.			Addr.	Pin No.	To Connector
1	Tray Main Board	CN100	1	DEF0	←	CN110	12	Drawer Connector (Main Machine) (CN120)
			2	DEF1			11	
			3	+24V			10	
			4				9	
			5	PGND			8	
			6				7	
			7	SOD	←		6	
			8	SID	→		5	
			9	SCK	←		4	
			10	SGND			3	
			11	CLK	←		2	
			12	+5V			1	
2	Tray Main Board	CN101	1	+5V		CN111	12	Drawer Connector (Optional Tray) (CN121)
			2	CLK	→		11	
			3	SGND			10	
			4	SCK	→		9	
			5	SID	←		8	
			6	SOD	→		7	
			7	PGND			6	
			8				5	
			9	+24V			4	
			10				3	
			11	DEF1_OUT	→		2	
			12	DEF0_OUT			1	
			13	NC				
3	Tray Main Board	CN102	1	SGND		CN112	3	Ppaer End Sensor
			2	Ppaer End Sensor	←		2	
			3	+5V		CN122	3	Vertical Transport Sensor
			4	SGND			2	
			5	Vertical Transport Sensor	←		1	
			6	+5V				
4	Tray Main Board	CN103	1	SW2	←	CN113	4	Paper Size Detection Switch
			2	SW1			3	
			3	SGND			2	
			4	SW0	←		1	
			5	NC				
5	Tray Main Board	CN104	1	+24V		CN114	2	Vertical Transport Clutch
			2	Vertical Transport CL			1	
			3	+24V		CN124	2	Ppaer Feed Clutch
			4	Paper Feed CL			1	
6	Tray Main Board	CN105	1	M_CLK		CN115	11	Paper Feed Motor
			2	BRAKE			10	
			3	CW/CCW			9	
			4	START/STOP			8	
			5	LOCK			7	
			6	+5V			6	
			7	SGND			5	
			8	PGND			4	
			9				3	
			10	+24V			2	
			11				1	

M456 ELECTRICAL COMPONENT LAYOUT



Paper Tray Unit (M456)

Symbol	Index No.	Description	P to P
Motor			
M1	1	Paper Feed Motor	E5
Sensors			
S1	6	Paper End Sensor	B6
S2	7	Vertical Transport Sensor	B6
Switch			
SW1	4	Paper Size Detection Switch	C6
Clutch			
MC1	3	Paper Feed Clutch	D5
MC2	5	Vertical Transport Clutch	D5
PCB			
PCB1	2	Tray Main Board	C3