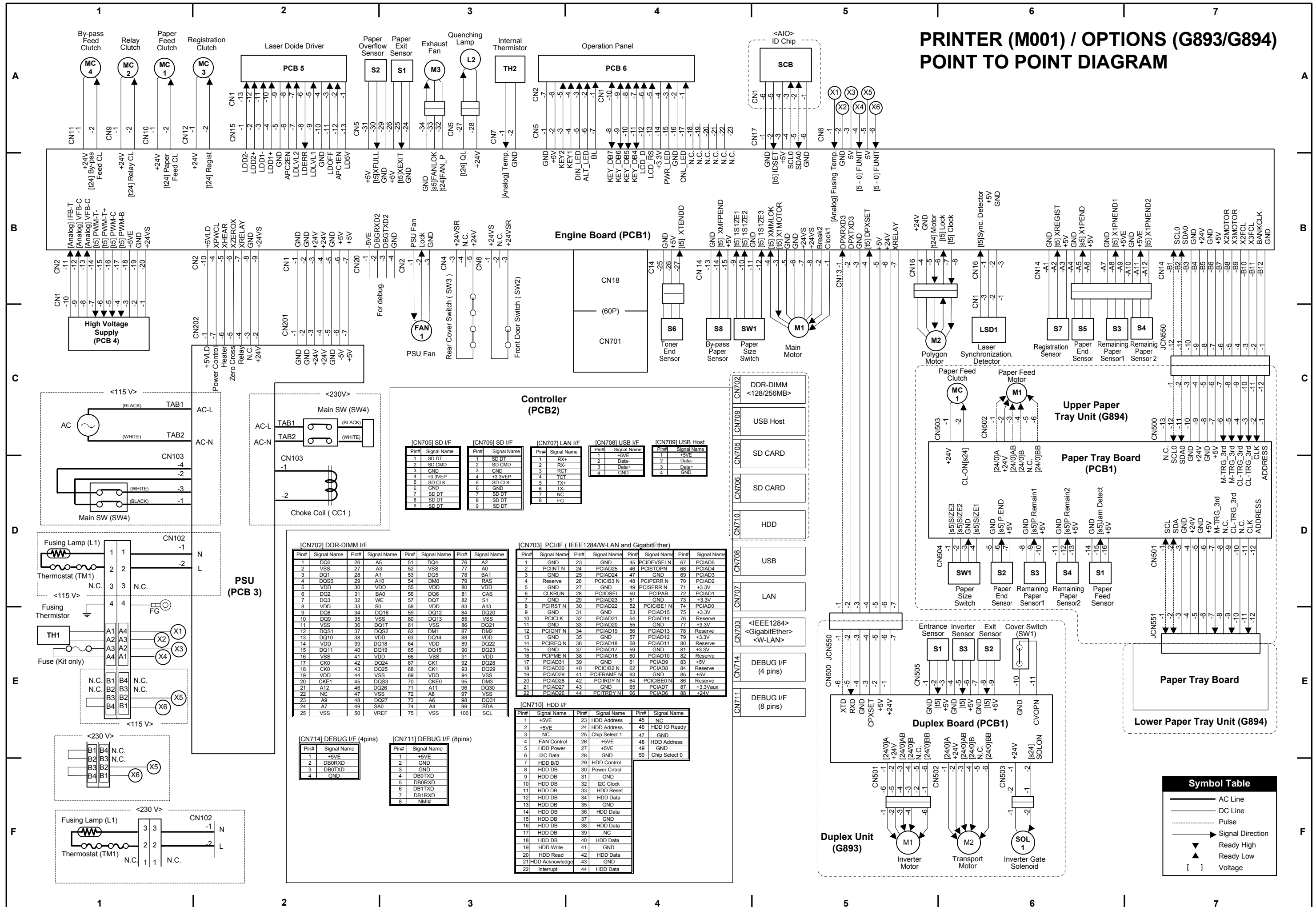


PRINTER (M001) / OPTIONS (G893/G894) POINT TO POINT DIAGRAM



Pin#	Signal Name	Pin#	Signal Name
1	SD DT	2	SD CMD
2	SD DT	3	SD CMD
3	GND	4	+3.3VEP
4	+3.3VEP	5	SD CLK
5	SD CLK	6	GND
6	GND	7	SD DT
7	SD DT	8	SD DT
8	SD DT	9	SD DT

Pin#	Signal Name	Pin#	Signal Name
1	SD DT	2	SD CMD
2	SD DT	3	SD CMD
3	GND	4	+3.3VEP
4	+3.3VEP	5	SD CLK
5	SD CLK	6	GND
6	GND	7	SD DT
7	SD DT	8	SD DT
8	SD DT	9	SD DT

Pin#	Signal Name	Pin#	Signal Name
1	Rx+	2	Rx-
2	Rx-	3	Rx+
3	Rx+	4	Rx-
4	Rx-	5	Tx+
5	Tx+	6	Tx-
6	Tx-	7	NC
7	NC	8	FG

Pin#	Signal Name	Pin#	Signal Name
1	Rx+	2	Rx-
2	Rx-	3	Data+
3	Data+	4	Data-
4	Data-	5	GND

Pin#	Signal Name	Pin#	Signal Name
1	+5V	2	GND
2	GND	3	Data+
3	Data+	4	Data-
4	Data-	5	GND

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	DQ0	26	A5	51	DQ4	76	A2
2	VSS	27	A3	52	VSS	77	A0
3	DQ1	28	A1	53	DQ5	78	BA1
4	DQ50	29	A10	54	DM0	79	RAS
5	VDD	30	VDD	55	VDD	80	VDD
6	DQ2	31	BA0	56	DQ6	81	CAS
7	DQ3	32	WE	57	DQ7	82	S1
8	VDD	33	S0	58	VDD	83	A13
9	DQ8	34	DQ16	59	DQ12	84	DQ20
10	DQ9	35	VSS	60	DQ13	85	VSS
11	VSS	36	DQ17	61	VSS	86	DO21
12	DQ11	37	DQ22	62	DM1	87	DM2
13	DQ10	38	VDD	63	DQ14	88	VDD
14	VDD	39	DQ18	64	VDD	89	DO22
15	DQ11	40	DQ19	65	DQ15	90	DO23
16	VSS	41	VDD	66	VSS	91	VDD
17	CK0	42	DQ24	67	CK1	92	DO28
18	CK0	43	DQ25	68	CK1	93	DO29
19	VDD	44	VSS	69	VDD	94	VSS
20	CKE1	45	DQ33	70	CKE0	95	DM3
21	A12	46	DQ26	71	A11	96	DO30
22	NC	47	VSS	72	A8	97	VSS
23	A9	48	DQ27	73	A6	98	DO31
24	A7	49	SA0	74	A4	99	SDA
25	VSS	50	VREF	75	VSS	100	SCL

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	GND	23	GND	45	PCIDEVSELN	67	PCIA05
2	PCINT N	24	PCIA025	46	PCISTOPN	68	PCIA04
3	GND	25	PCIA024	47	GND	69	PCIA03
4	Reserve	26	PCICB3 N	48	PCIPERR N	70	PCIA02
5	GND	27	GND	49	PCISERR N	71	+3.3V
6	CLK/RUN	28	PCIDSEL	50	PCIPAR	72	PCIA01
7	GND	29	PCIA023	51	GND	73	+3.3V
8	PCIRST N	30	PCIA022	52	PCICBE1 N	74	PCIA00
9	GND	31	GND	53	PCIA011	75	+3.3V
10	PCICLK	32	PCIA021	54	PCIA014	76	Reserve
11	GND	33	PCIA020	55	GND	77	+3.3V
12	PCIGAT N	34	PCIA019	56	PCIA013	78	Reserve
13	GND	35	GND	57	PCIA012	79	+3.3V
14	PCIREQ N	36	PCIA018	58	PCIA011	80	Reserve
15	GND	37	PCIA017	59	GND	81	+3.3V
16	PCIPME N	38	PCIA016	60	PCIA010	82	Reserve
17	PCIA031	39	GND	61	PCIA09	83	+5V
18	PCIA030	40	PCICB2 N	62	PCIA08	84	Reserve
19	PCIA029	41	PCIFRAME N	63	GND	85	+5V
20	PCIA028	42	PCITRDY N	64	PCICBE0 N	86	Reserve
21	PCIA027	43	GND	65	PCIA07	87	+3.3Vaux
22	PCIA026	44	PCITRDY N	66	PCIA06	88	+24V

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	+5VE	23	HDD Address	45	NC
2	+5VE	24	HDD Address	46	HDD IO Ready
3	NC	25	Chip Select 1	47	GND
4	FAN Control	26	+5VE	48	HDD Address
5	HDD Power	27	+5VE	49	GND
6	I2C Data	28	GND	50	Chip Select 0
7	HDD B/D	29	HDD Control		
8	HDD DB	30	Power Control		
9	HDD DB	31	GND		
10	HDD DB	32	I2C Clock		
11	HDD DB	33	HDD Reset		
12	HDD DB	34	HDD Data		
13	HDD DB	35	GND		
14	HDD DB	36	HDD Data		
15	HDD DB	37	GND		
16	HDD DB	38	HDD Data		
17	HDD DB	39	NC		
18	HDD DB	40	HDD Data		
19	HDD Write	41	GND		
20	HDD Read	42	HDD Data		
21	HDD Acknowledge	43	GND		
22	Interrupt	44	HDD Data		

Pin#	Signal Name	Pin#	Signal Name
1	+5VE	2	GND
2	DB0RXD	3	GND
3	DB0TXD	4	GND

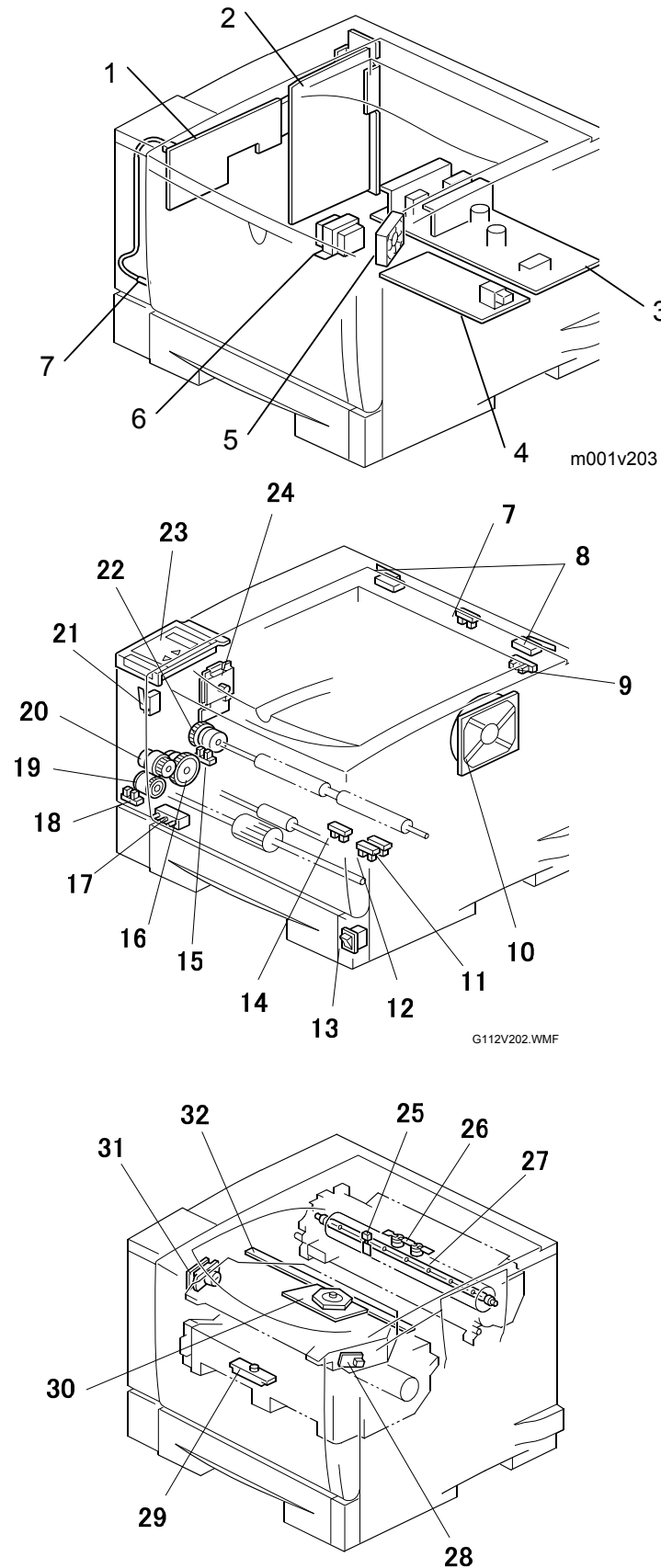
Pin#	Signal Name	Pin#	Signal Name
1	+5VE	2	GND
2	DB0RXD	3	GND
3	DB0TXD	4	DB0TXD
4	DB0RXD	5	DB0RXD
5	DB1TXD	6	DB1TXD
6	DB1RXD	7	DB1RXD
7	DB1RXD	8	NMI#

	AC Line
	DC Line
	Pulse
	Signal Direction
	Ready High
	Ready Low
[]	Voltage

PRINTER (M001) / OPTIONS (G893/G894) ELECTRICAL COMPONENT LAYOUT

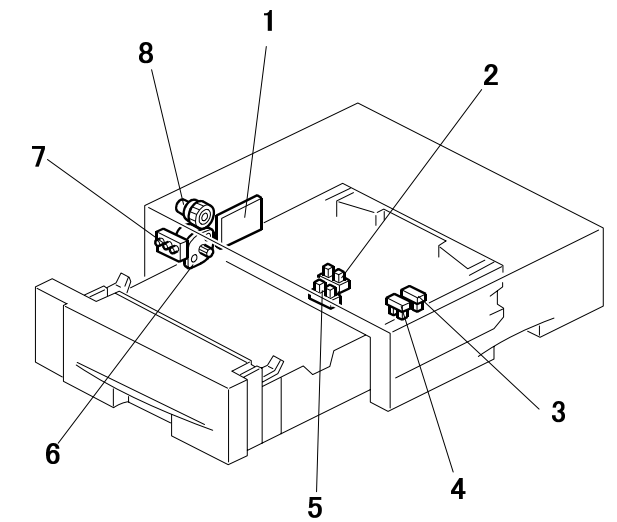
Printer (M001)

Symbol	Index No.	Description	P to P
Motors			
M1	24	Main	C5
M2	30	Polygonal Mirror	C5-6
M3	10	Exhaust Fan	A3
Magnetic Clutches			
MC1	16	Paper Feed	A1
MC2	20	Relay	A1
MC3	22	Registration	A2
MC4	19	By-pass feed	A1
Switches			
SW1	17	Paper Size	C4-5
SW2	21	Front Door	C3
SW3	8	Rear Cover	C3
SW4	13	Main	C2, D1
Sensors			
S1	7	Paper Exit	A3
S2	9	Paper Overflow	A2-3
S3, S4	11, 12	Remaining Paper	C6-7
S5	14	Paper End	C6
S6	29	Toner End	C4
S7	15	Registration	C6
S8	18	By-pass paper	C4
PCBs			
PCB1	1	Engine	B1-7
PCB2	2	Printer controller	C3-4
PCB3	3	PSU (Power Supply Unit)	CDE2
PCB4	4	High Voltage Supply	C1
PCB5	31	LDD (Laser Diode Driver)	A2
PCB6	23	Operation Panel	A3-4
Lamps			
L1	27	Fusing	D1, F1
L2	32	Quenching	A3
Others			
TM1	26	Thermostat	D1, F1
TH1	25	Fusing Thermistor	E1
TH2	7	Internal Thermistor	A3
LSD1	28	Laser Synchronization Detector	C6
CC1	6	Choke Coil (230V machine only)	D2
FAN1	5	PSU FAN	C3



Paper Tray Unit (G894)

Symbol	Index No.	Description	P to P
Motor			
M1	6	Paper feed	C6
Sensors			
S1	5	Paper feed	D6
S2	2	Paper end	D6
S3, S4	3, 4	Remaining paper	D6
Switch			
SW1	7	Paper size	D6
Clutch			
MC1	8	Paper feed	C6
PCB			
PCB1	1	Paper tray board	D6-7



Duplex Unit (G893)

Symbol	Index No.	Description	P to P
Motor			
M1	8	Inverter	F5
M2	4		F6
Sensors			
S1	1	Entrance	E5
S2	5	Exit	E6
S3	6	Inverter	E6
Switch			
SW1	3	Cover	E6
Clutch			
SOL1	7	Inverter gate	F6
PCB			
PCB1	2	Duplex board	E5-6

