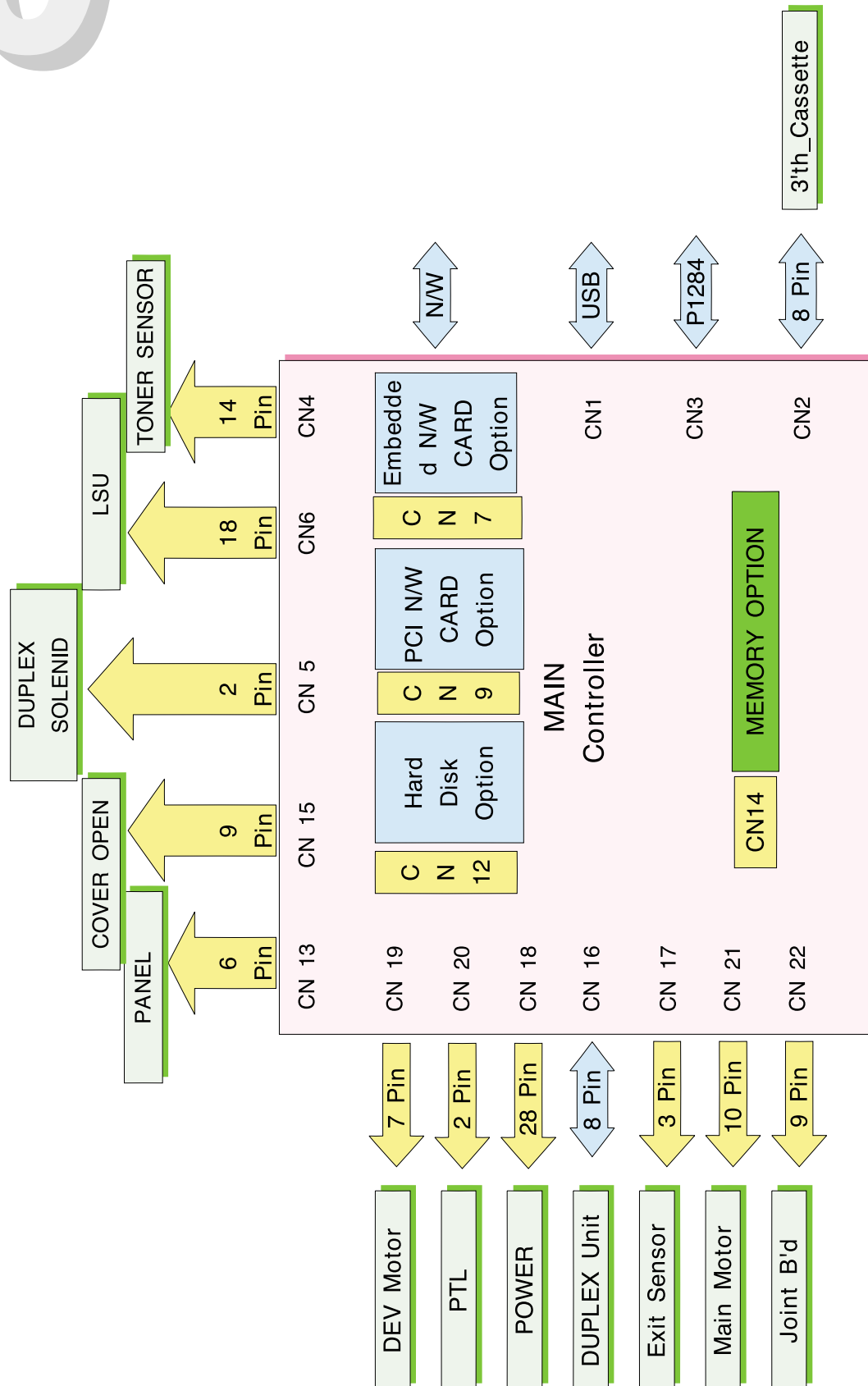


# 10. Connection Diagram

ML-3560 Connection Diagram



## [Signal Description Table]

CN 18 (POWER) Main ↔ SMPS/HVPS			
Pin	Signal Name	Pin	Signal Name
1	DEVE_AC-PWM	2	←
2	24V	1	←
3	DEVE_AC_Vpp	4	←
4	24V	3	←
5	DEVE_AC_CON	6	←
6	24V	5	←
7	DEVE_VDC-PWM	8	←
8	24VS	7	←
9	FUSER_BAIS_PWM	10	←
10	3.3V	9	←
11	MHV_PWM	12	←
12	3.3V	11	←
13	FAN_SMPS	14	←
14	3.3V	13	←
15	THV_PWM	16	←
16	VCC	15	←
17	THV_READ	18	←
18	VCC	17	←
19	nTHV_EN	20	←
20	FAN_FEEDBACK	19	←
21	FUSER COVER	22	←
22	GND	21	←
23	GND	24	←
24	GND	23	←
25	FUSER_ON	26	←
26	GND	25	←
27	GND	28	←

28	GND	27	GND
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CN 16 (DUPLEX) MAIN ↔ DUPLEX B'D			
Pin	Signal Name	Pin	Signal Name
1	24VS	1	←
2	3.3V	2	←
3	3.3V	3	←
4	DUPLEX_RXD	4	←
5	DUPLEX_DETECT	5	GND(DETECT)
6	DUPLEX_TXD	6	←
7	GND	7	←
8	GND	8	←
9	GND		←

CN 17 (EXIT SENSOR) MAIN ↔ EXITSENSOR			
Pin	Signal Name	Pin	Signal Name
1	GND	2	←
2	3.3V	1	←
3	P_EIXT	4	←

CN 21 (DC_MOT) MAIN ↔ MAIN MOTOR			
Pin	Signal Name	Pin	Signal Name
1	24VS	1	←
2	24VS	2	←
3	GND	3	←
4	GND	4	←
5	GND	5	←
6	VCC	6	←
7	nMAIN_MOT_ON	7	←

8	MAIN_MOT_READY	8	←
9	MAIN_MOT_CLK	9	←
10	NC		

CN 22 (JOINT) MAIN ↔ JOINT B'D			
Pin	Signal Name	Pin	Signal Name
1	24VS	1	←
2	MAIN CLUTCH	2	←
3	MP_CLUTCH	3	←
4	REGI_CLUTCH	4	←
5	MP_EMPTY	5	←
6	3.3V	6	←
7	CASSESTE_DETECT	7	←
8	GND	8	←
9	TMEP1	9	←

CN 19 (DEV_MOT) MAIN ↔ DEVE MOTOR			
Pin	Signal Name	Pin	Signal Name
1	24VS	1	←
2	GND	2	←
3	nDEV_MOT_READY	3	←
4	nDEV_MOT_CLK	4	←
5	nDEV_MOT_ON	5	←
6	nDEV_MOT_DIR	6	←
7	NC		

CN 20 (PTL) MAIN ↔ PTL			
Pin	Signal Name	Pin	Signal Name
1	VCC	1	←
2	PTL_ON	2	←

8	3.3V	7	←
9	OUTBIN_FULL	10	←
10	CART_CLK	9	←
11	P_REGI	12	←
12	CART_DOUT/CART_DIN	11	←
13	P_EMPTY	14	←
14	GND	13	←

CN 15		(COVER_OPEN) MAIN ↔ COVER_OPEN	
Pin	Signal Name	Pin	Signal Name
1	24V	1	←
2	24V	2	←
3	24VS	3	←
4	24VS	4	←
5	NC	5	←
6	COVER_OPEN	6	←
7	NC	7	←
8	VCC	8	←
9	LSU_5V	9	←

CN 5 (DPX_SOL) MAIN ↔ DUPLEX SOLENOID			
Pin	Signal Name	Pin	Signal Name
1	DUPLEX_SOL	1	←
2	24VS	2	←

CN 6		(LSU) MAIN ↔ LSU	
Pin	Signal Name	Pin	Signal Name
1	GND	2	← (LD DRIVER)
2	LSU_5V	1	←
3	LD_POWER2	4	←
4	LD_POWER1	3	←
5	VDO1_minus	6	←
6	VDO1_plus	5	←
7	VDO2_minus	8	←
8	VDO1_plus	7	←
9	nLD_EN	10	←
10	nSH1	9	←
11	nHSTNC_plus	12	←
12	nSH2	11	←
13	nHSTNC_minus	13	←
14	LSU_CLK	1	← (P-MOTOR)
15	nREADY	2	←
16	LSU_MOT_ON	3	←
17	GND	4	←
18	GND	5	←

CN 4		(CART) MAIN ↔ TONER SENSOR	
Pin	Signal Name	Pin	Signal Name
1	24V	2	←
2	P_SIZE3	1	←
3	FAN_SMPS	4	←
4	P_SIZE2	3	←
5	FAN_MAIN	6	←
6	P_SIZE1	5	←
7	GND	8	←

CN 2		(SCF) MAIN ↔ SCF B'D	
Pin	Signal Name	Pin	Signal Name
1	24V	1	←
2	3.3V	2	←
3	SCF_EMPTY	3	3.3V
4	SCF_RXD	4	←
5	SCF_DETECT	5	←
6	SCF_TXD	6	←
7	GND	7	←
8	GND	8	←
9	GND	9	←
10	GND	10	←
11	GND		

CN 23		(THERM) MAIN ↔ FUSER	
Pin	Signal Name	Pin	Signal Name
1	THERM_IN	1	←
2	FUSER_ON	2	GND
3	FUSER_EN	3	FUSER_ON