10. Connection Diagram
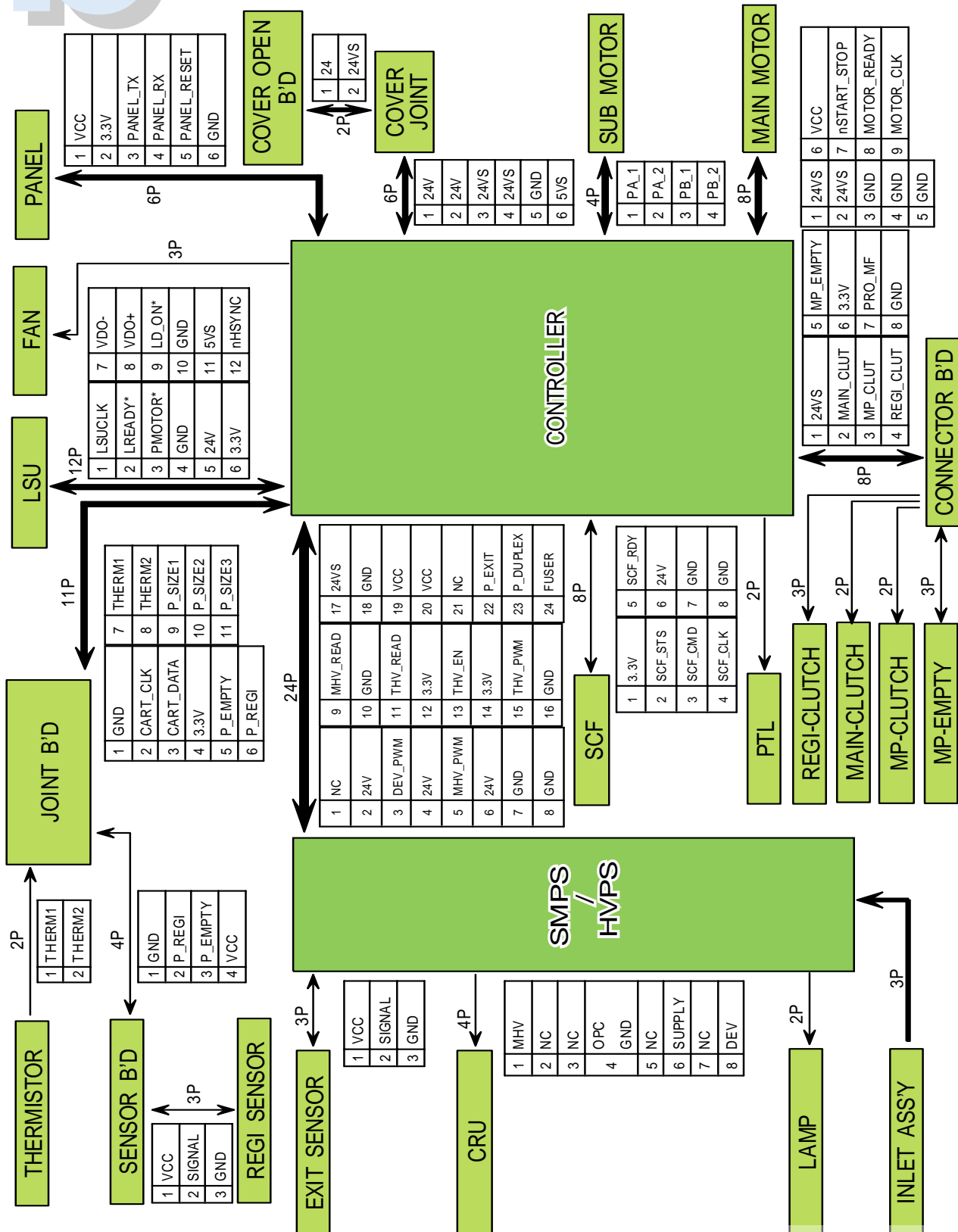
CONTROLLER

SMPS / HVPS

Blocks: PANEL, COVER OPEN B'D, COVER JOINT, SUB MOTOR, MAIN MOTOR, FAN, LSU, JOINT B'D, THERMISTOR, SENSOR B'D, REGI SENSOR, EXIT SENSOR, CRU, LAMP, INLET ASS'Y, SCF, PTL, REGI-CLUTCH, MAIN-CLUTCH, MP-CLUTCH, MP-EMPTY, CONNECTOR B'D

PANEL (6P)

1	VCC
2	3.3V
3	PANEL_TX
4	PANEL_RX
5	PANEL_RESET
6	GND

COVER OPEN B'D (2P)

| 1 | 24 |
| 2 | 24VS |

COVER JOINT (6P)

1	24V
2	24V
3	24VS
4	24VS
5	GND
6	5VS

SUB MOTOR (4P)

1	PA_1
2	PA_2
3	PB_1
4	PB_2

MAIN MOTOR (8P)

1	24VS	6	VCC
2	24VS	7	nSTART_STOP
3	GND	8	MOTOR_READY
4	GND	9	MOTOR_CLK
5	MP_EMPTY		

CONNECTOR B'D (8P)

1	24VS	5	MP_EMPTY
2	MAIN_CLUT	6	3.3V
3	MP_CLUT	7	PRO_MF
4	REGI_CLUT	8	GND

FAN (3P)

LSU (12P)

1	LSUCLK	7	VDO-
2	LREADY*	8	VDO+
3	PMOTOR*	9	LD_ON*
4	GND	10	GND
5	24V	11	5VS
6	3.3V	12	nHSYNC

JOINT B'D (11P)

1	GND	7	THERM1
2	CART_CLK	8	THERM2
3	CART_DATA	9	P_SIZE1
4	3.3V	10	P_SIZE2
5	P_EMPTY	11	P_SIZE3
6	P_REGI		

SMPS/HVPS (24P)

1	NC	9	MHV_READ	17	24VS
2	24V	10	GND	18	GND
3	DEV_PWM	11	THV_READ	19	VCC
4	24V	12	3.3V	20	VCC
5	MHV_PWM	13	THV_EN	21	NC
6	24V	14	3.3V	22	P_EXIT
7	GND	15	THV_PWM	23	P_DUPLEX
8	GND	16	GND	24	FUSER

SCF (8P)

1	3.3V	5	SCF_RDY
2	SCF_STS	6	24V
3	SCF_CMD	7	GND
4	SCF_CLK	8	GND

THERMISTOR (2P)

| 1 | THERM1 |
| 2 | THERM2 |

SENSOR B'D (4P)

1	GND
2	P_REGI
3	P_EMPTY
4	VCC

REGI SENSOR (3P)

1	VCC
2	SIGNAL
3	GND

EXIT SENSOR (3P)

1	VCC
2	SIGNAL
3	GND

CRU (4P)

1	MHV
2	NC
3	NC
4	OPC
5	NC
6	SUPPLY
7	NC
8	DEV

GND

LAMP (2P)

INLET ASS'Y (3P)

Memo

TONER

Samsung Electronics