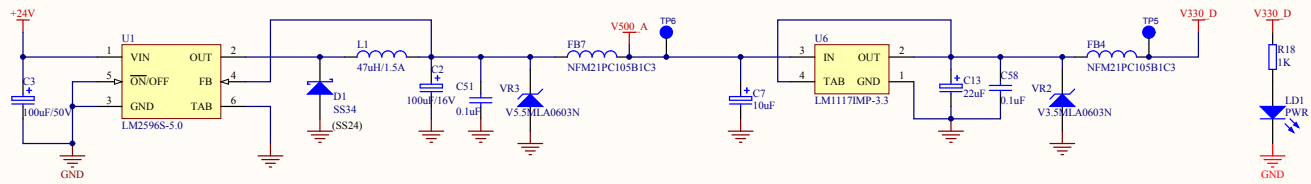
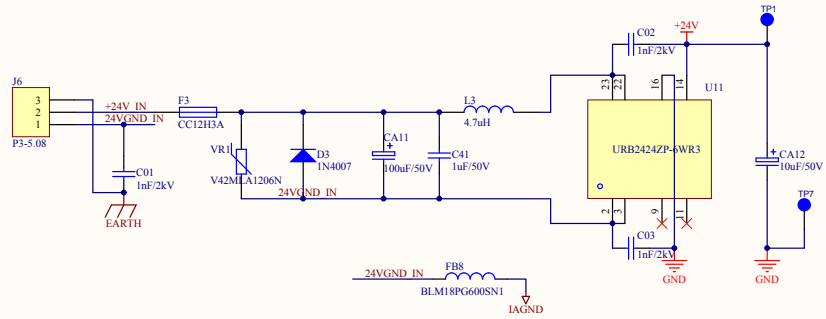
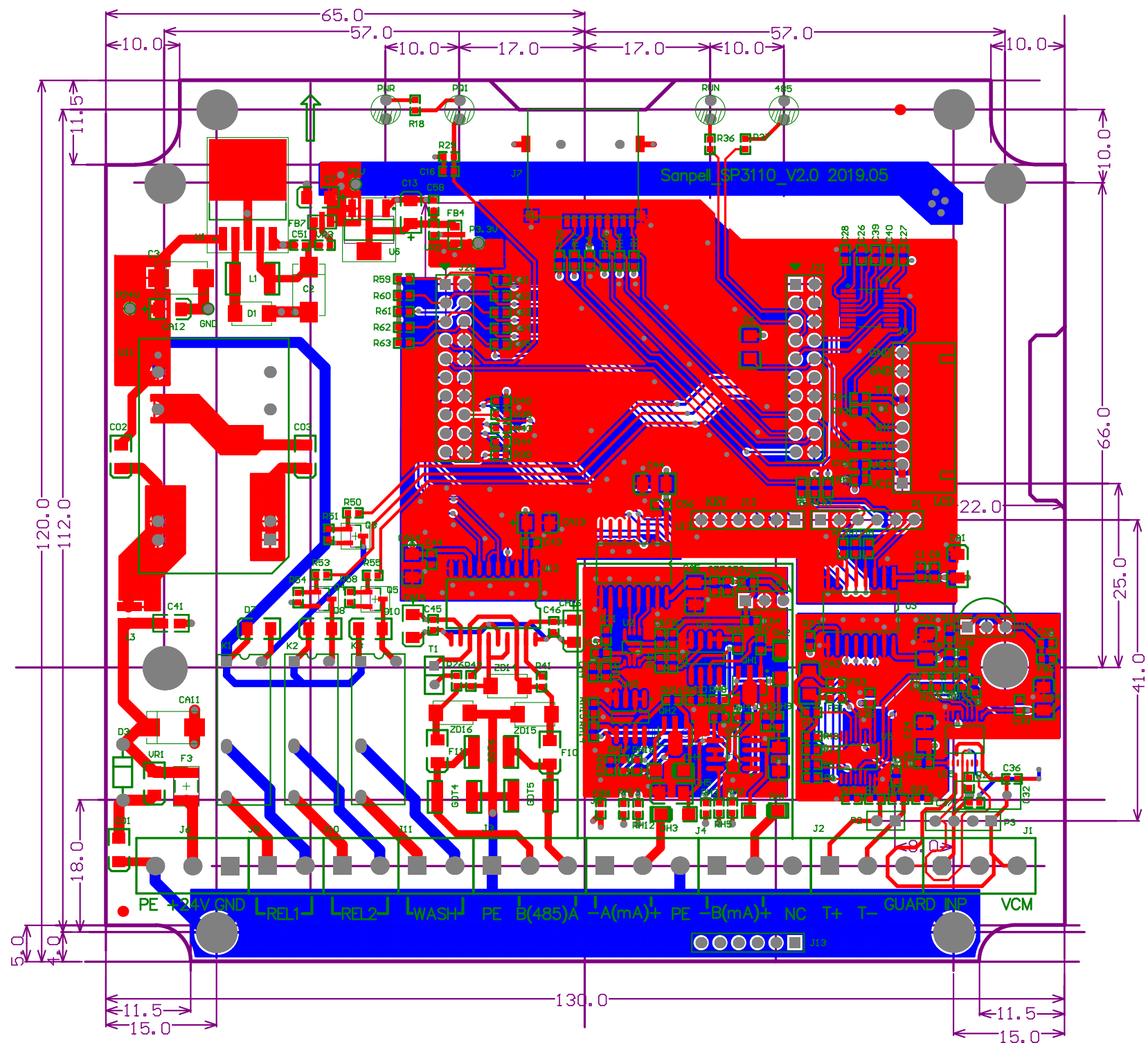


Power



Title		
Size A3	Number	Revision 1.0
Date: 5/15/2019	Sheet of	
File: E:\Cm Work\06 POWER\SchDoc	Drawn By:	KJH



Bill of Materials

<Parameter Title not found>

Source Data From: SPLCD.PrjPCBProject: SPLCD.PrjPCBVariant: None

Creation Date: 5/15/2019 9:25:30 AM

Print Date:	43600	43600.3928
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Footprint	Comment	LibRef	Designator	Description	Quantity
1206	1nF/2KV	CAP	C01, C02, C03	Capacitor	3
0603A	10nF	CAP	C1	7µF	1
D	100uF/16V	CAPE	C2, CA11	7µF 7µF	1
0603A	100uF/50V	CAPE	C3, CA11	7µF	1
0603A	0.1uF	C, CAP	C4, C5, C6, C8, C9, C11, C13, C20, C25, C26, C27, C28, C29, C31, C33, C35, C38, C39, C40, C51, C53, C54, C56, C57, C61, C62, C63, C64, C65, CH1, CH3, CH4, CH5	Capacitor, X7R Ceramic, Capacitor, Capacitor, X7R Ceramic, 7µF	33
1206C	10uF	C, CAPE	C7, C45, CA13, CA14, CA15, CA16	7µF 7µF	6
1206C	22uF	C	C13	7µF 1µF	1
0603	0.1uF	C, CAP	C16, C43, C44, C45, C46, C58	Capacitor, 7µF	6
0603A	1uF	C	C17	7µF	1
1206	10uF	CAPE	C28, C34, CA1, CA2, CA3, CA4	7µF 7µF	6
0603A	100pF	CAP	C30	Capacitor	1
RAD-0.2	1nF/2KV	CAP	C32	Capacitor	1
0603A	1nF	CAP	C36, C37	Capacitor	2
0603A	1uF/50V	CAP	C41	Capacitor	1
1206C	10uF/50V	CAPE	CA12	7µF 7µF	1
1206	10uF/50V	C	CH2, CH5	7µF 7µF	2
Z	SS34	D Schottky	D1	Schottky Diode	1
0603A	DN4007	Diode DN4007	C10	1 Amp General Purpose Rectifier	1
1206	1N4148	Diode 1N4148	D6, D7, D8, D10	High Conductance Fast Diode	1
1206D	1N4148	Diode 1N4148	DH1, DH2, DH3, DH4	1 Amp General Purpose Rectifier	1
1812	CL21H48	FUSE1	F3	Fuse, 3A, 63Vdc	1
1206	FUSE1	FUSE1	F10, F11	Fuse	2
0603A	BLM18PG0005 N1	INDUCTOR	FB1, FB2, FB3, FB5, FB6	Inductor	5
NFM21PC10	NFM21PC1058 I	Inductor	FB4, FB7	Inductor	2
0603	BLM18PG0005 N1	Inductor	FB8	Inductor	1
1812	SMD1812-001	BT100	GD14, GD15, GD16		3
PH-5.08mm	P3-5.08mm	Header 3	J1, J2, J3, J4, J5, J6	Header, 3-Pin	1
PH-5.08mm	TP Socket	Header 10	J7	Header, 10-Pin	1
HOR10E	H4-SAW	Header 8	J8	Header, 8-Pin	1
PH2-5.08mm	P2-5.08mm	Header 2	J9, J10, J11	Header, 2-Pin	3
HOR16E	Header 16	Header 6	J12, J13, P1	Header, 2-Pin	3
DOR2010	Header 1002	Header 102	L20, L21	Header, 10-Pin, Dual row	3
ALDP124	ALDP124	SI1A1000X	K1, K2, K3	24V coil, 5A SPST Relay	1
1812	47uH/1.5A	Inductor L1	L1	Inductor	1
LPS3010	4.7uH	INDUCTOR L3	L3		1
LED	PNVR	LED0	L01	Typical INFRARED GaAs LED	1
LED	RUN	LED0	L02	Typical INFRARED GaAs LED	1
LED	485	LED0	L03	Typical INFRARED GaAs LED	1
HOR10E	Header 2	Header 2	P2	Header, 2-Pin	1
HOR104	Header 4	Header 4	P3	Header, 4-Pin	1
0603A	M2-P	Photo NPN	PC1	NPN Phototransistor	1
SOT23_N	MMB13904	MMB13904	Q4, Q5, Q6	NPN Switching Transistor	3
SOT89M	2SD1624	Header 3	QH1, QH2	Header, 3-Pin	1
0603A	1R, R, RE, RES	R1, R4, R14, R15, R17, R26, R29, RH1, RH2, RH3, RH4, RH6	R1, R4, R14, R15, R17, R26, R29, RH1, RH2, RH3, RH4, RH6	Resistor, 7µF	11
0603A	100R	R, RES	R2, R3, RE, R7, R8, R11, R13, R22	7µF	13
0603A	100R	R, RE, RES	R6, R9, R10, R12, R51, R54, R58, RH4, RH8, RH10, RH14, RH17, RH19	7µF	13
0603A	330R	RE	R16, R19	7µF	2
0603A	1K	R, RE, RES	R18, R20, R24, R25, R36, R37, R50, R53, R55	7µF	9
0603A	9K, 0.1%	R	R21	7µF	1
0603A	4.7K	R, RE	R23, R71	7µF	2
0603A	47K	RES	R3, R30, R40, R43, R44, R59, R60, R61, R62, R63	7µF	10
0603A	NC	RES	R32	7µF	1
0603A	100R	RES	R33, R34	7µF	1
0603	47K	R	R41, R42	7µF	1
0603	120R	R	R78	7µF	1
0603A	100R 1%	RE	RH2, RH6, RH12, RH18	7µF	1
0603A	49.9	RE	RH3, RH5, RH13	7µF	3
0603A	100K 0.1%	RE	RH6, RH15	7µF	2
SW-PB	SW-PB	SW-PB	S1, S2, S3, S4, S5	Switch	1
SIP2	CON2	CON2	T1	Connector	1
test point	P24V	PAD	TP1		1
test point	P33V	PAD	TP5		1
test point	P5V	PAD	TP6		1
test point	GND	PAD	TP7		1
TS582_N	LM2596S-5.0	LM2596S-5.0	U1	SIMPLE SWITCHER®Power Converter 150 KHz 3A Step-Down Voltage Regulator, 5-pin TO-263	1
LT2602	LT2602MS8	LT2602	U2		1
ADUM1401_Z	ADUM1401-1A	ADUM1401	U3	1Mbps Data Rate, 100ns Propagation delay	1
TS5OP-16	SP3232EE-UL	SP3232EE	U4	EXAR	1
AD7793	AD7793BRJ	AD7793	U5		1
MP04A_N	LM117MP-3.3	LM117MP-3.3	U6	800mA Low-Dropout Linear Regulator, 4-pin SOT-223	1
HDR1X3	TL431BCLP	Header 3	U9, U14		2
URP242ZP-6WR3	URP242ZP-6WR3	URP242ZP-6WR3	U11	Programmable Precision Reference	1
SOL-20	ADM2587E	ADM2587E	U12		1
ADUM1401	ADUM1401-1A	ADUM1401	U13	1Mbps Data Rate, 100ns Propagation delay	1
LMP91200	LMP91200	LMP91200	U15		1
S08_M	LM2904DMR2	AD8646	UHT, UH2, UH3		1
1206	V42MLA1206N	Res Varistor	VR1	Varistor (Voltage-Sensitive Resistor)	1
0603	V5.5MLA0603N	D Zener	VR2	Zener Diode	1
0603	V5.5MLA0603N	D Zener	VR3	Zener Diode	1
SMBJ12	SMBJ12	SMBJ	ZD1, ZD5, ZD16	瞬态抑制二极管	3

Approved	Notes
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Notes

Approved	Date