



Bill of Materials

Bill of Materials For Project [power-v2.0.PrjPCB] (No PCB Document Selected)

 Source Data From:
 power-v2.0.PrjPCB

 Project:
 power-v2.0.PrjPCB

 Variant:
 None

 Creation Date:
 2020-03-08
 2:51:18 PM

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 08-Mar-20
 2:51:35 PM

#Column Name	Comment	#Column Name Er	Designator	Description	Quantity
	100nF		C1, C3, C6	CAP CER 0.1UF 50V X7R 0805	3
	10uF		C7, C8	CAP CER 10UF 50V X7R 1210	2
	8.2nF		C9	CAP CER 8200PF 50V X7R 0805	1
	47uF		C10, C11	CAP CER 47UF 6.3V X7R 1210	2
	10pF		C12	CAP CER SMD 0603 10PF 10% X7R 50	1
	1nF		C13	CAP CER 1000PF 50V X7R 0805	1
	4.7uF		C14, C15	CAP CER 4.7UF 25V X5R 0805	2
	MMSZ5245B-TP		D1	Zener Diode 15V 500mW ±5% Surface	1
				Mount SOD-123	
	LED2		D3, D4, D5	Typical RED, GREEN, YELLOW, AMBER	3
				GaAs LED	
	SBRD10200TR		D8	Diode Schottky 200V 10A Surface Mount	1
	3BKD 10200 1K		D0	DPAK	'
	Fuse 20A 1206		F1	FUSE BOARD MOUNT 20A 32VAC 63VDC	1
	Fuse 20A 1200		F1	FOSE BOARD WOUNT 20A 32VAC 03VDC	'
	CONN HEADER		JM1, JM2, JM3, JM4	Connector Header Through Hole 6 position	4
	VERT 6POS		o, o <u>e</u> , oe, o	0.156" (3.96mm)	· ·
	3.96MM			0.130 (3.361111)	
	SRU1048-8R2Y		L1	FIXED IND 8.2UH 4.6A 15 MOHM SMD	1
	XT60		P1	XT60 CONNECTORS FEMALE PAIR	1
			P3		1
	Header 2X2		_	Header, 2-Pin, Dual row	1
	Header 4X2		PN	Header, 4-Pin, Dual row	1
	AON6407		Q1, Q2	P-Channel 30V 32A (Ta), 85A (Tc) 7.3W	2
				(Ta), 83W (Tc) Surface Mount 8-DFN (5x6)	
	1.96K		R2, R13	RES SMD 1.96K OHM 1% 1/8W 0805	2
	270		R3	RES SMD 270 OHM 5% 1/8W 0805	1
	110		R4		1
				RES SMD 110 OHM 1% 1/8W 0805	
	100k		R5, R17	RES SMD 100K OHM 1% 1/8W 0805	2
	10		R6, R7	RES SMD 10 OHM 1% 1/8W 0805	2
	10k		R8, R9, R10, R11, R12	RES SMD 10K OHM 1% 1/8W 0805	5
	10.2k		R14	RES SMD 10.2K OHM 1% 1/8W 0805	1
	24.3K		R15	RES SMD 24.3K OHM 1% 1/8W 0805	1
	2mOhm		Rshunt	RES 0.002 OHM 1% 1W 1206	1
	SPST Rocker		S1	Rocker Switch SPST 10A (AC) 125V Panel	1
				Mount, Snap-In	
	INA226AIDGSR		U1	36-V, Bi-Directional, Ultra-High Accuracy,	1
				Low-/High-Side, I2C Out Current/Power	
				Monitor w/ Alert 10-VSSOP -40 to 125	
	TPS54331		U3	Buck Switching Regulator IC Positive	1
				Adjustable 0.8V 1 Output 3A 8-SOIC	
				0.154, 3.90mm Width	
	ZLDO1117K33T		U4	Linear Voltage Regulator IC Positive Fixed 1	1
	C		04	Output 1A TO-252-3	
	EMI		U5, U6	RC (Pi) EMI Filter 2nd Order Low Pass 2	2
	□IVII		05, 06		2
				Channel R = 100Ohms, C = 19pF (Total)	
				SOT-665	
Approved		Notes			50
Appi oveu		110103			