





Comment	Description	Designator	Footprint	LibRef	Quantity
10uF 35V	CAP CER 10UF 35V X7R 1206	C1, C2, C5	Capacitor 1206	GMK316AB7106KL-TR	3
1uF 100V	Cap Ceramic 1uF 100V X7S 10% Pad SMD 0805 125C T/R	C3, C4, C6	C0805	GRM21BC72A105KE01 L	3
Green Led	LED 0805 GREEN 20MCD	D1, D2, D3	Led Green 0805 Dialight 5988	598-8170-107F	3
TVS 58V 1.5kW	TVS DIODE 58VWM 93.6VC SMC	D4, D5	TVS SMCJSeries	SMCJ58CA	2
56V	Diodes Zener 56V 1.5W	D7, D8	DIODE ZENER 56V 1SMA5943BT3G	1SMA5943BT3G	2
Fuse 6.3A	Fuse 2410 SMD FAST- ACTING PRECISION W	F1, F2	FUSE SMD 6.3A SF- 2410FP630W	SF-2410FP630W-2	2
39502-1002	Terminal Block,2 Contacts,PIN ;RoHS Compliant: Yes	J1, J2	Terminal Block 0395021002	39502-1002	2
Header 11 100mils	HEADER 11 pins Male 2.54MM	J3	Header 11 pos Male 2.54	PREC011SAAN-RC	1
NMOS FDMS86540	MOSFET 60V N- Channel PowerTrench MOSFET	M1, M2	NMOS FDMS86540	FDMS86540	2
82R 1%	Res Thick Film 0805 82R, 150 V, Thick Film, 125 mW	R1, R3	Resistor R0805 Panasonic ERJ	ERJ6ENF82R0V	2
133R 1%	Res Thick Film 0805 133R, 125 mW, 1%, 150 V	R2	Resistor R0805 Panasonic ERJ	ERJ-6ENF1330V	1
243R 1%	Res Thick Film 0805 243 R, 125 mW, 1%, 150 V	R4	Resistor R0805 Panasonic ERJ	ERJ-6ENF2430V	1
1K 0.125W	Res 0805, 1K, 0.125W	R5	Resistor R0805 Panasonic ERJ	ERJ6ENF1001V	1
2k2	Res Thick Film 00805 2.2K 1% 1/8W 0805	R6	Resistor R0805 Panasonic ERJ	ERJ6ENF2201V	1
7k5 1%	Res Thick Film 7.5k 125mW, ±1%;	R7	Resistor R0805 Panasonic ERJ	ERJ-6ENF7501V	1
Lin regulator	Linear Regulator, Adjustable, 20V	U1, U2	Linear TL783CKTTR	TL783CKTTR	2
ORing	IC OR CTRLR N+1 6SOT	U3, U4	LM5050	LM5050MK-2/NOPB	2
12V lin	LINEAR 12V 60MA TO252-3	U5	Linear ZXTR2012K	ZXTR2012K-13	1