



RoHS Complaint Low RDS on Industry leading quality Dynamic dw/rlt Rating Fast Fast RFZ44NP8F The President To To To RFZ44NP8F To To To To RFZ44NP8F To To To To To To To T	Comment	Description	Designator	Footprint	LibRef	Quantity
Industry-leading County						
Quality Dynamic Avid Rating Fast Switching Fully Avalanche Rated 175C Operating 115C Operating 1175C						
Modern Rated 1 1 10-220 IRF244NPBF Temperature 1 1 10-220 IRF244NPBF Temperature 1 1 10-220 IRF244NPBF Temperature 1 1 10-220 IRF244NPBF Temperature 1 1 10-220 IRF244NPBF Temperature 1 1 10-240 IRF244NPBF Temperature 1 10-240 IRF244NPBF Temperature 1 1 10-240 IRF244NPBF Temperature 1 1 10-240 IRF244NPBF Temperature 1 10-240 IRF244NPBF Temperature 1 1 10-240 IRF248NPBF Temperature 1 1 10-						
Availanche Rated 175C Operating 1						
175C Operating						
		,				
1.5.4. 32-W, linear voltage regulator 3 70.254 P1054X470X1 955-3 10.254 P1054X470X1 955-3 1	IRF744NPBF		1	TO-220	IRF744NPBF	1
Wolfsper regulator 3				10 220		
Cap				TO254P1054X470X1		
Cap	LM7812CT/NOPB	TO-220 -40 to 125		955-3	LM7812CT/NOPB	2
Cap						
Cap Ceramic 1pf SOV COR 0.25pf Radial 2.5mm 125C CAP_RCER72A472K0 RCER72A472K0A2H0 A2H038 SB CAP_RCER72A472K0 A2H038 SB CAP_RCER72A472K0 A2H038 CAP_RCER72A472K0A2H0 A2H038 CAP_RCER72A472K0A2H0	Cap	Capacitor		Cap1	Cap	13
Radial 2.5mm 125C C2			,,,,			
1201						
Cap Ceramic 1pf SOV COG 0.25pf Radial 2.5mm 125C Automotive Bulk C12 A2H038 A2H						
SOV COG 0.25pF Radial 2.5mm 125C Altomotive Bulk C12 A2H038 38	120u		C2	A2H03B	3B	1
Radial 2.5mm 125C						
Cap Ceramic 1pF S0V C0C 0.25pF Radial 2.5mm 125C CAP_RCER72A472K0 RCER72A472K0A2H0 A2H03B A2H03B				CAP_RCER72A472K0	RCER72A472K0A2H0	
SOV COG 0.25pF Radial 2.5mm 125C Automotive Bulk C12 A2H03B 38	10nF		C9			1
Radial 2.5mm 125C	1					
Automotive Bulk C12				CAP BCEB334473F0	BCEB230423KUV3HU	
Cap Ceramic 1pf SOV COG 0.25pf Radial 2.5mm 125C CAP_RCER72A472KO RCER72A472KOA2HO SB CAP_RCER72A472KO RCER72A472KOA2HO SB CAP_RCER72A472KOA2HO SB CAP_RCER72A472KOA2HO SB CAP_RCER72A472KOA2HO SB CAP_RCER72A472KOA2HO SB CAP_RCER72A472KOA2HO AUtomotive Bulk C14 A2H03B SB CAP_RCER72A472KOA2HO AUtomotive Bulk C15 A2H03B SB CAP_RCER72A472KOA2HO AUtomotive Bulk C16 A2H03B SB CAP_RCER72A472KOA2HO A2H03B SB CAP_RCER72A472KOA2H	470pF		C12			1
SOV COG 0.25pF Radial 2.5mm 125C CAP_RCER72A472K0 RCER72A472K0A2H0 Automotive Bulk C13 A2H038 38 RCER72A472K0A2H0 A2H038 A2H0						
10						
Cap Ceramic 1pF S0V C0G 0.25pF Radial 2.5mm 125C Automotive Bulk C14 A2H03B 38			040	_		
SOV COG 0.25pF Radial 2.5mm 125C Automotive Bulk C14 A2H03B 3B	Tu		C13	A2H03B	3B	1
Radial 2.5mm 125C						
Cap Ceramic 1pF 50V COG 0.25pF Radial 2.5mm 125C CAP_RCER72A472K0 RCER72A472K0A2H0 Automotive Bulk C15 A2H03B 3B Cap Ceramic 1pF 50V COG 0.25pF Radial 2.5mm 125C CAP_RCER72A472K0 RCER72A472K0A2H0 A2H03B 3B CAP_RCER72A472K0 RCER72A472K0A2H0 A2H03B A2H0				CAP_RCER72A472K0	RCER72A472K0A2H0	
SOV COG 0.25pF Radial 2.5mm 125C A2H03B 3B	10n		C14	A2H03B	3B	1
Radial 2.5mm 125C						
20n				CAD DCED72A472KO	DCED72A472K0A2H0	
Cap Ceramic 1pF	20n		C15			1
Radial 2.5mm 125C						
10						
High Conductance Fast Diode D1	4		01/			
Diode 1N4148	in		C16	AZHU3B	38	1
1N5822 3A Through Hole 2 Position Wire to Board Terminal Block Horizontal with Board 0.200 5.08mm_Through Hole J1, J2, J3, J4, J5 1760490000 176051	Diode 1N4148	-	D1	DO-35	Diode 1N4148	1
1N5822 3A Through Hole 2 Position Wire to Board Terminal Block Horizontal with Board 0.200 5.08mm_Through Hole J1, J2, J3, J4, J5 1760490000 176051						
2 Position Wire to Board Terminal Block Horizontal with Board 0.200 _5.08mm_ Through Hole						
Board Terminal Block Horizontal with Board 0.200 5.08mm_ Through 1760510000 Hole J1, J2, J3, J4, J5 1760490000 17605100000 17605100000 1760	1N5822	-	Dsch3, Dsch4, Dsch5	0D530P	1N5822	5
Block Horizontal with Board 0.200						
1760510000 Hole						
1760510000 Hole						
Inductor Inductor						
Optoisolator Transistor Output 5000Vrms 1 Channel Q						5
Transistor Output 5000Vrms 1 Channel 20	Inductor		L1	Inductor2	Inductor	1
DIP762W50P254L65 Q						
PC817A				DIP762W50P254L65		
OMQ100NPBF 100V 2A SMA Q1 Schottky OMQ100NPBF R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, Res1 Resistor R15, R16, R17, R18 AXIAL-0.3 Res1 Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3-TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T LM2585T	PC817A		Q		PC817A	1
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18 AXIAL-0.3 Res1 Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3-TL431CLP T0-92 0 to 70 U1 T0-92 TL431CLP LM2585T U2 LM2585T LM2585T						
R6, R7, R8, R9, R10, R11, R12, R13, R14, Res1 Res1 Resistor R15, R16, R17, R18 AXIAL-0.3 Res1 Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3-TL431CLP T0-92 0 to 70 U1 T0-92 TL431CLP LM2585T U2 LM2585T LM2585T	0MQ100NPBF	100V 2A SMA		Schottky	0MQ100NPBF	1
R11, R12, R13, R14, Res1 Resistor R15, R16, R17, R18 AXIAL-0.3 Res1 Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3- TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T						
Res1 Resistor R15, R16, R17, R18 AXIAL-0.3 Res1 Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3- TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T						
Res Resistor R19, R20, R21 AXIAL-0.3 Res1 Adjustable precision shunt regulator 3- TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T	Res1	Resistor		AXIAL-0.3	Res1	18
Adjustable precision shunt regulator 3- TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T	Res	Resistor		AXIAL-0.3	Res1	3
shunt regulator 3- TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T						
TL431CLP TO-92 0 to 70 U1 TO-92 TL431CLP LM2585T U2 LM2585T LM2585T						
LM2585T U2 LM2585T LM2585T	TI 421CI B		111	TO 92	TI 431CLD	1
		10-92 0 10 70				1
[1L3842_PCBLIB						1
	1L3842		<u></u>	1L384Z_PCBLIB	11.3842	1