



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