

Pasadena (MAXREFDES31#) BOM

Designation	Qty	Description
C2, C27, C42, C43, C44, C45	6	CAP,100V,10% 0.1uF,X7R,CER,0805
C3, C20	2	CAP, 10% 0.022UF 50V X7R CER 0603
C4, C5	2	CAP,25V,10% 10uF,X5R,CER,1206
C7	1	CAP+,22uF,20%,63V,ELECT,6.30mm
C8, C12, C30, C32, C34	5	CAP, 10% 0.1UF 16V X7R CER 0603
C9, C10	2	CAP#,220uF,20%,6.3V,SMD,5.3X5.3MM
C11	1	CAP,10V,10% 10uF,X5R,CER,0805
C14, C22	2	CAP,50V,10% 0.01uF,X7R,CER,0603
C15,C21	2	CAP,50V,10% 47000pF,X7R,CER,0603
C16	1	CAP+,100pF,20%,25V,X7R,0603
C6, C13, C17	3	CAP,50V,10% 1uF,X7R,CER,1210
C18, C25, C26	3	CAP,2KV,10% 2200pF,X7R,CER,1812
C24	1	CAP,50V,10% 330pF,X7R,CER,0603
C31	1	CAP+,1000pF,10%,25V,X7R,0603
D1, D2	2	DIODE+,BRIDGE,0%,200V,1A,MiniDIP
D3	1	DIODE+,TRANSIENT VOLTAGE SUPPRESSOR,0%,58V,600W,SMB
D8	1	2A, 100V SCHOTTKY DIODE (SMB)
D10, D17	2	DIODESWITCHING,0%,75V,150mA,SOD-323
D11	1	DIODE+,ZENER,6%,18V,5mA,SOT323
J1	1	RJ45 MAGJACK 1G-ETHERNET, 802.3AF/A
J3	1	Modular Jack Assembly, Side Entry, 8 Position
L1	1	1000uH, 0.8A inductor (7mm x 6.4mm x 5.08mm)
L2	1	3.3uH,2.26A inductor (5.2mm x 5.2mm x 3mm)
L3	1	CHOKE,COMMON-MODE+,0 0,0%,50V,2A,5.5X8.6
N1, N2 ,N3, N4	4	5A 30V LOGIC LEVEL N-CHANEL FET (PowerPak SO8)
N5	1	MOSFET+,N-CH,150V,4.1A,SO-8
R1	1	24.9K OHM 1% RESISTOR (0603)
R2	1	10 OHM 1% 0603 RESISTOR
R4	1	RES,1%,30.9 OHMS,0805
R5, R20, R23, R24, R40	5	RES,0 OHMS,5%,0805
R6	1	RES,1%,16.9KOHMS,0603
R7	1	34KOHM+-1% RESISTOR (0603 PB FREE
R8	1	RES,5%,1.5MOHMS,0603
R9	1	100K OHM 1% RESISTOR (0603)
R27	1	169K OHM 1% RESISTOR (0603)
R10, R42	1	RES,2K OHMS 1% 0603
R12, R13, R19	3	RES,10 OHMS,5%,0805
R14, R15	2	30.1K OHM 1% RESISTOR (0603)
R16, R31, R47	3	RES,0 OHMS,5%, 0603
R18	1	RES,4.02K OHM 1% 0603
R21, R25	2	RES+,0.15 OHMS,1%,1/2W,1206
R26	1	RES,499 OHM 1% (0603)
R37	1	1MOHM +-1% RESISTOR (0603)
R28	1	49.9KOHM +-1% RESISTOR (0603)
R29	1	200K, 5% RESISTOR (0603)
R30	1	121K OHM 1% RESISTOR (0603)
R34	2	RESISTOR, 1KOHM +-5% (0603)
R32, R33	2	510OHM, 1% RESISTOR (0603)
R35	1	4.12K OHM 1% RESISTOR (0603)
R36	1	2.49KOHM 1% RESISTOR (0603)
R39	1	RES,10 OHMS 5% 0603
T1	1	XFMR#,50uH,15%,18X13.5MM
U1	1	IC+,MAX5969BETE+

U2	1	IC+,MAX5974AETE+
U3	1	70V 200%-400% CTR DIP-4 SURFACE MO
U4	1	1.24V PRECISION SHUNT REGULATOR (SO
V+,	1	TESTPOINT, PC MINI-RED
V-	1	TESTPOINT, PC MINI-BLACK
OUT1, OUT2, GND, GND, WAD+,	6	20G tinned copper Bus wire from into "U" shapes loops (0.25" off the f
R52, R53, R54, R55	4	Resistor, 75 OHM, 5% (0805)
C41	1	Capacitor, 1000pF, size 1808, 10%, 1500V
PCB1	PC Board: Pasadena (MAXREFDES31#)	
	1	3.3V and 5V PoE Powered Device

PC board)

Cap Num	Value		Resistor Num	Value	Diode Nu m	value
	25	2200			D1	
	26	2200			D1	
	2	0.1				
	18	2200				
	27	0.1				

MOSFET			
Num	value		
		J1	406566