

MAXREFDES98EV# Reference Design BOM RevA

Designation	Qty	Description
/RST, IOUT	2	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; WHITE; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH; RECOMMENDED FOR BOARD THICKNESS=0.062IN; NOT FOR COLD TEST KEYSTONE 5007
C1,C2	2	1000pF 10%, 10V, X7R ceramic capacitor (1808) AVX 1808SC102KAT1A
GND	1	FINISH; RECOMMENDED FOR BOARD THICKNESS=0.062IN; NOT FOR COLD TEST KEYSTONE 5006
J1	1	CONNECTOR; FEMALE; THROUGH HOLE; GIGABIT MAGJACK; RIGHT ANGLE; 22PINS BEL 0826-1X1T-GH-F
J2,J3	2	CONNECTOR; FEMALE; THROUGH HOLE; SSQ SERIES; STRAIGHT; 6PINS SAMTEC SSQ-106-23-G-S
J5	1	CONNECTOR; MALE; THROUGH HOLE; DC POWER JACK; RIGHT ANGLE; 3PINS CUI INC. PJ-002AH
J6	1	CONNECTOR; FEMALE; THROUGH HOLE; LOW PROFILE MODULAR JACK ASSEMBLY; RIGHT ANGLE; 8PINS TYCO ELECTRONICS/AMP 1116518-1
PGND, VOUT	2	EVK KIT PARTS; MAXIM PAD; WIRE; NATURAL; SOLID; WEICO WIRE; SOFT DRAWN BUS TYPE-S; 20AWG WEICO WIRE 9020 BUSS
PWR	1	DIODE; LED; CHIPLED BLUE; BLUE; SMT (0603); VF=2.85V; IF=0.05A OSRAM LB Q39G-L2N2-35-1
Q1, Q2	2	TRANSISTOR, NPN, SOT-23, PD=0.225W, IC=0.2A, VCEO=40V ON Semiconductor MMBT3904
R1, R2, R4, R5	4	RESISTOR; 0805; 75 OHM; 1%; 100PPM; 0.125W; THICK FILM VISHAY DALE CRCW080575R0FK
R8	1	RESISTOR; 1206; 0.016 OHM; 1%; 350PPM; 0.5W; THICK FILM ROHM UCR18EVHFSR016
R9	1	RESISTOR; 0603; 100K; 1%; 100PPM; 0.10W; THICK FILM VISHAY DALE/PANASONIC CRCW06031003FK; ERJ-3EKF1003
R10	1	RESISTOR, 0603, 560 OHM, 1%, 100PPM, 0.10W, THICK FILM VISHAY DALE CRCW0603560R0FK
U1	1	IC; AMP; PRECISION CURRENT SENSE AMPLIFIER; SOT23-5 MAXIM MAX9634HEUK
VA1, VA2, VB1, VB2	4	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; ORANGE; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH; RECOMMENDED FOR BOARD THICKNESS=0.062IN; NOT FOR COLD TEST KEYSTONE 5008
VDC	1	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.35IN; BOARD HOLE=0.063IN; RED; PHOSPHOR BRONZE WIRE SILVER PLATE KEYSTONE 5005
PCB	1	PCB: MAXREFDES98_MOTHERBOARD_APPS_A