

MAXREFDES125# Reference Design BOM RevA

Designation	Qty	Description
C1,C2	2	2.2uF,100V,TOL=10%;X7R(1210) MURATA/TDK GRM32ER72A225KA35; CGA6N3X7R2A225K230X
C5	1	2.2uF 10%, 10V, X7R ceramic capacitor (0603) MURATA; SAMSUNG RM188R71A225KE15; CL10B225KP8NNN
C6	1	0.022uF 10%, 50V, X7R ceramic capacitor (0402) MURATA GRM155R71H223KA12
C7	1	120uF, 20%, 6.3V, capacitor (7343) PANASONIC EEF-SX0J121E7
C8	1	22uF 10%, 10V, X7R ceramic capacitors (1210) MURATA GRM32ER71A226K
C9,C11	2	0.1uF 10%, 50V, X7R ceramic capacitor (0402) TDK/MURATA CGA2B3X7R1H104K; C1005X7R1H104K050BB; GRM155R71H104KE14
C10	1	2.2pF, 50V, C0G ceramic capacitors (0402) AVX; MURATA 04025A2R2BAT; GRM1555C1H2R2BA01
VIN, GNDO, PGND, VOUT	4	CONNECTOR; MALE; THROUGH HOLE; POWER HEADER AND BOARD STACKER; STRAIGHT; 1PIN SAMTEC FWJ-01-01-T-S
JU1,JU2	2	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT; 3PINS SULLINS PEC03SAAN
L1	1	INDUCTOR; SMT; FERRITE CORE; 10UH; TOL=+/-20%; 4.6A SUMIDA CEP125NP-100MC
N1	1	TRAN; SILICON N-CHANNEL POWER MOSFET; NCH; LPAK; PD- (45W); I-(25A); V-(60V) RENESAS TECHNOLOGY CORP. RJK0651DPB-00#J5
R1	1	3.32M ohm 1% resistor (0402) Any Any
R2	1	300k ohm 1% resistor (0402) Any Any
R3	1	169k ohm 1% resistor (0402) Any Any
R4	1	36k ohm 1% resistor (0402) Any Any
R5	1	93.1k ohm 1% resistor (0402) Any Any
R6	1	10k ohm 1% resistor (0402) Any Any
R8	1	4.7 ohm 1% resistor (0402) Any Any
SU1,SU2	2	TEST POINT; JUMPER; STR; TOTAL LENGTH=0.256IN; BLACK; INSULATION=PBT CONTACT=PHOSPHOR BRONZE; COPPER PLATED TIN SULLINS ELECTRONICS CORP. STC02SYAN
U1	1	4.5V - 60V; 4A; HIGH – EFFICIENCY MAXIM MAX17536ATP+
C3	0	Not installed, resistor (1210)
R7	0	Not installed, resistor (0402)
PCB	1	PCB: MAXREFDES125_APPS_A