

EVAL6498L bill of materials

Part reference	Part value	Part description
C1	10 μ F / 50 V	Ceramic capacitor, SMT 1206
C2	68 μ F / 450 V	Electrolytic capacitor, 68 μ F 450 V 20% Radial P7.5 mm 18x25
C3	2.2 μ F / 50 V	Ceramic capacitor, SMT 1206 or T.H.
C4,C7	N.M.	Ceramic capacitor, SMT 0805
C5,C10	220 nF / 50 V	Ceramic capacitor, SMT 0805
C6	N.M.	Ceramic capacitor, SMT 0603
C8,C9	33 pF / 25 V	Ceramic capacitor, SMT 0603
D1	N.M.	Diode DO-41 or SMA
D2,D3	STPS2L30A	Diode Schottky 30 V, 2 A, SMA
JP1, JP2	Jumper - open	SMT jumper
J1	Phoenix contact 1985991 or similar	Conn. term. block T.H. 3 POS 5.08 mm
J2	2 x Phoenix contact 1984950 or or similar	Conn. term. block T.H. 6 POS 3.5 mm
J3	FCI 68000-406HLF or similar	Conn. header 6 POS 2.54 mm STR TIN
Q1,Q2	To be selected by customer	IGBT/MOSFET, TO-220 or TO-247
R1	10 Ω	Resistor, SMT 1206
R2,R4, R6,R7	To be selected by customer	Resistor, SMT 1206 or T.H.
R3, R8	1 k Ω	Resistor, SMT 0603
R5	N.M.	Resistor, SMT 0603
R9	0 Ω	Resistor, SMT 0805
TP1,TP4,TP5	RS 200-207 or similar	PCB test terminal 1 mm
TR1	N.M.	Trimmer, 0.5 W, T.H.
U1	L6498LD	High voltage high and low-side gate driver, SO-14