

**EVAL6491HB Bill Of Material**

Part reference	Part value	Part description
C1	68 $\mu$ F / 450 V	ELECTROLYTIC CAPACITOR, 68 $\mu$ F 450V 20% RADIAL P7.5mm 18x25
C2	2.2 $\mu$ F / 50 V	CERAMIC CAPACITOR, SMT 1206 or T.H.
C4, C6, C10, C12	220 nF / 50 V	CERAMIC CAPACITOR, SMT 0603
C5	1 nF / 25 V	CERAMIC CAPACITOR, SMT 0603
C7,C9	33 pF / 25 V	CERAMIC CAPACITOR, SMT 0603
C8	4.7 $\mu$ F / 25 V	CERAMIC CAPACITOR, SMT 0603
C11	10 $\mu$ F / 50 V	CERAMIC CAPACITOR, SMT 1206
C3A	D.N.M.	CERAMIC CAPACITOR, SMT 1206 or T.H.
C3	5.6 nF / 25 V	CERAMIC CAPACITOR, SMT 0603
D1,D2	DB2X41500L	DIODE SCHOTTKY 40 V, 3 A, SOD-123
D3	D.N.M.	DO-41 or SMA
J1	3 x GIXO 720-02-1 or similar	Conn. term. block T. H. 6 POS 3.5 mm
J2	FCI 68000-406HLF or similar	Conn. header 6 POS 2.54 mm STR TIN
J3	GIXO 740-03-1 or similar	Conn. term. block T.H. 3 POS 5.0 mm
JP1, JP2, JP3	Jumper - OPEN	SMT JUMPER
JP4, JP5	Jumper - CLOSED	SMT JUMPER
Q1,Q2	To be selected by customer	IGBT/MOSFET, TO-220 or TO-247
R1	43 k $\Omega$	RESISTOR, SMT 1206 or T.H.
R2, R4, R3, R5	To be selected by customer	RESISTOR, SMT 1206 or T.H.
R15	6.8 $\Omega$	RESISTOR, SMT 1206
R6	4.7 k $\Omega$	RESISTOR,SMT 0603
R7, R13, R14	1 k $\Omega$	RESISTOR, SMT 0603
R16, R17	D.N.M.	RESISTOR, SMT 0603
R8, R9, R10, R11, R12	0.2 $\Omega$ , 1%, 2W	RESISTOR, SMT 2512
TP1, TP2, TP3, TP4, TP5, TP6, TP7	RS 200-207 or similar	PCB TEST TERMINAL 1 mm
TR1	BI Technologies 67WR500LF or similar	TRIMMER 500 $\Omega$ , 0.5 W, T.H.
TR2	Murata PV36W204C01B00 or similar	TRIMMER 200 k $\Omega$ , 0.5 W, T.H.
U1	L6491	High voltage high and low-side 4 A gate driver, SO-14