

### EVAL6494L - bill of material

Part reference	Part value	Part description
C1	10 $\mu$ F / 50 V	Ceramic capacitor, SMT 1206
C2	68 $\mu$ F / 450 V	Electrolytic capacitor, 68 $\mu$ F, 450 V, 20% radial P7.5 mm 18 x 25
C3	2.2 $\mu$ 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	220 nF / 50 V	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	Schottky diode 30 V, 2 A, SMA
JP1	Jumper - OPEN	SMT jumper
JP2	Jumper - CLOSED	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 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 $\Omega$	Resistor, SMT 1206
R2, R4, R6, R7	To be selected by customer	Resistor, SMT 1206 or T.H.
R3	43 k $\Omega$	Resistor, SMT 0603
R5	N. M.	Resistor, SMT 0603
R8	1 k $\Omega$	Resistor, SMT 0603
R9	0 $\Omega$	Resistor, SMT 0805
TP1, TP4, TP5	RS 200-207 or similar	PCB test terminal 1 mm
TR1	Murata PV36W204C01B00 or similar	Trimmer 200 k $\Omega$ , 0.5 W, T. H.
U1	L6494LD	High voltage high and low-side gate driver, SO-14