

EVALSTDRV600HB8 - bill of material

Part reference	Part value	Part description
C1	N.M.	Electrolytic capacitor, D18, P7.62
C2	220 nF / 50 V	Ceramic capacitor, SMT 0805 (or 2.5 x 7.5 P05)
C3, C4	N.M.	Ceramic capacitor, SMT 0805
C5, C6	33 pF / 25 V	Ceramic capacitor, SMT 0603
C7	N.M.	Ceramic capacitor, SMT 1206
C8	220 nF / 50 V	Ceramic capacitor, SMT 0603
C9	10 μ F / 50 V	Electrolytic capacitor, D5, P2.5
D1, D2	STPS0540Z	Schottky diode 40 V, 0.5 A, SOD-123
D3	N. M.	DO41 or SMA
J1	MORSV350-4P	PCB terminal block 3.50 mm, 4 POS
J2	STRIP254P-M-4	Male pin strip 2.54 mm, 4 POS
J3	MORSV508-3P	PCB terminal block 5.08 mm, 3 POS
Q1, Q2	N. M.	Power MOSFETs or IGBTs, DPAK, D2PAK, or TO220
R1	10 Ω	Resistor, SMT 0805
R2, R3, R4, R5	N.M.	Resistor, SMT 0805 or T.H. P10
R6	2 Ω	Resistor, SMT 0603
R13, R14	1 k Ω	Resistor, SMT 0603
TP1, TP2	TPTH-RING-1MM	PCB test terminal 1 mm
U1	N.M.	600 V high- and low-side gate driver, SO8