

Bill of Materials

Ref Des	Qty	Part Number	Description	MFG
C1	1	C3216X5R0J106	Capacitor, 10 μ F, X5R, 6.3 V, SMD 1206	TDK
C2	1		Capacitor, 10 pF, X7R, SMD 0805	
C3	1		Capacitor, 10 nF, X7R, SMD 0805	
C4	1	C4532X5R1A226M	Capacitor, 22 μ F, X5R, 6.3 V, SMD 1812	TDK
C5			Not Used	
J1, J2	1		Header 1 x 3, 0.1" pitch, with jumper	
L1	1	CDRH6D38-100	Coil	Sumida
R1	1		Resistor, 100 k Ω , 1%, SMD 0805	
R2	1		Resistor, 1 M Ω , 1%, SMD 0805 Not used with fixed output voltage versions	
R3	1		Resistor, 180 k Ω , 1%, SMD 0805 Not used with fixed output voltage versions	
R4	1		Resistor, 1 M Ω , 1%, SMD 0805	
R5	1		Resistor, 390 k Ω , 1%, SMD 0805	
R6	1		Resistor, 470 k Ω , 1%, SMD 0805	
GND, LBO	2		Test points	
INPUT, OUTPUT	2		Header 1 x 4, 0.1" pitch	
U1	1	TPS61010DGS	IC, high-efficiency boost converter, adjustable version, MSOP10	Texas Instruments
		TPS61013DGS	IC, high-efficiency boost converter, 2.5-V fixed output voltage version, MSOP10	Texas Instruments
		TPS61015DGS	IC, high-efficiency boost converter, 3-V fixed output voltage version, MSOP10	Texas Instruments
		TPS61016DGS	IC, high-efficiency boost converter, 3.3-V fixed output voltage version, MSOP10	Texas Instruments

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