

Table 4–1. TPS61040EVM–001 Bill of Materials

Reference	Description	Size	Qty.	MFG	Part #
C1	Capacitor, ceramic, 4.7 μ F, 6.3 V, X5R, 15%	0805	1	Murata	GRM21B60J475KA11
C2	Capacitor, ceramic, 22 pF, 50 V, C0G, 5%	0603	1	Murata	GRM1885C1H220JZ01
C3	Capacitor, ceramic, 1 μ F, 25 V, X7R, 10%	1206	1	Murata	GRM31MR7E105KC01
D1	Diode, Schottky 0.5 A 30 V	SOD–123	1	On Semi	MBR0530T1
J1 – J5	Header, 2-pin, 100-mil spacing (36-pin strip)	0.1 x 2"	5	Sullins	PTC36SAAN
JP1	Header, 3-pin, 100-mil spacing (36-pin strip)	0.1 x 3"	1	Sullins	PTC36SAAN
L1	Inductor, SMT, 10 μ H, 0.76 A, 0.23 Ω	0.15 x 0.162	1	Sumida	CR32–100
R1	Resistor, chip, 2.21 M Ω , 1/16 W, 1%	0603	1	Standard	Standard
R2	Resistor, chip, 162 k Ω , 1/16 W, 1%	0603	1	Standard	Standard
U1	IC, high efficiency boost converter	SOT23–5 (DBV)	1	TI	TPS61040DBV
	PCB, 1.5' x 1" x 0.062"		1	Any	SLVP209
	Shunts, 100-mil, black	0.1 mm	1	3M	929950–00

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