



Bill of Materials for the LM2596ATPBCKGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor	1.0 k	1%	Axial	Panasonic - ECG	ERO-S2PHF1001	Yes	Yes
R2	1	Resistor	3.0 k	1%	Axial	Panasonic - ECG	ERO-S2PHF3001	Yes	Yes
C1	1	Electrolytic Capacitor	100 uF	10%	Axial	Nippon	ELXZ500ESS101MH1	Yes	Yes
C2	1	Electrolytic Capacitor	220 uF	10%	Axial	Nippon	ELXZ250ESS221MH1	Yes	Yes
C3	1	Capacitor	4.7 nF	10%	Radial	Vishay	K472K15X7RH5TH5	Yes	Yes
L1	1	Inductor	33 uH	20%	DO5040	Coilcraft	DO5040H-333ML	No	Yes
D1	1	Schottky Rectifier 3.0 A 40V	1N5822	-	Axial	On Semiconductor	1N5822RLG	No	Yes
IC1	1	Switching Regulator (150kHz)	LM2596	-	TO220	On Semiconductor	LM2596TADJG	No	Yes
HEATSINK	1	Heatsink	-	-	-	Fischer Electronic	SK 104/25.4 STS	Yes	Yes
Vin+, Vin-, Vout+, Vout-, EN	5	Printed Circuit Pins	-	-	0.040 DIA	Mill-Max	6821-0-00-15-00-00-08-0	Yes	Yes