



Bill of Materials for the CAT4139AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	High Efficiency Boost LED Driver	-	-	SOT23-5	ON Semiconductor	CAT4139TD-GT3	No	Yes
C1	1	Ceramic Capacitor	1.0 μ F / 6.3 V X5R	10%	0805	Taiyo Yuden	JMK212BJ105KK-T	Yes	Yes
C2	1	Ceramic Capacitor	1.0 μ F / 50 V X7R	10%	1210	Taiyo Yuden	UMK325BJ105KH-T	Yes	Yes
C3	1	Ceramic Capacitor	4.7 μ F / 6.3 V X5R	10%	0805	Taiyo Yuden	JMK212BJ475KD-T	Yes	Yes
D1	1	Schottky Diode	40 V / 1 A	-	Sub SMA	TSC	SS14L	Yes	Yes
L1	1	Inductor	22 μ H / 0.7A	20%	4.8mm x 4.8mm	NIC	NPIS43D220MTRF	Yes	Yes
R1	1	SMT Resistor	2.2 Ω / 250 mW	5%	1206	Panasonic	ERJ-8GEYJ2R2V	Yes	Yes
R2	1	Multi-Turn Trim Pot	200 Ω / 500 mW	10%	9.7mm x 5.00mm	Vishay	T93YA470KT20	Yes	Yes
R3	1	SMT Resistor	1 k Ω / 100 mW	1%	0603	Yageo	RC0603FR-071KL	Yes	Yes
R4	1	SMT Resistor	200 k Ω / 100 mW	1%	0603	Yageo	RC0603FR-07200KL	Yes	Yes
R5	1	SMT Resistor	0 Ω / 125 mW	5%	0805	Yageo	RC0805JR-070RL	Yes	Yes
K1	1	2 Pin Header Connector 0.1" Pitch	-	-	2.54mm x 5.08mm	Tyco	640452-2	Yes	Yes