



Bill of Materials for the CAT4106AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	4-Channel Boost LED Driver	-	-	16-TQFN	ON Semiconductor	CAT4106HV4-GT2	No	Yes
C1	1	Ceramic Capacitor	1.0 μ F / 10 V / X5R	10%	0603	AVX	0603ZD105KAT2A	Yes	Yes
C2	1	Ceramic Capacitor	4.7 μ F / 25 V / X5R	10%	1206	AVX	12063D475KAT2A	Yes	Yes
C3	1	Ceramic Capacitor	10 μ F / 35 V / X5R	10%	1210	Taiyo Yuden	GMK325BJ106KN-T	Yes	Yes
R1	1	Resistor	649 Ω	1%	0603	Various	Various	Yes	Yes
R2, R3	2	SMT Resistor	0.1 W, 28 k Ω	1%	0603	Yageo	RC0603FR-0728KL	Yes	Yes
R4, R6	2	Trimmer Potentiometer	0.5 W, 2 M Ω	10%	9.60mm x 5.00mm	Murata	PV36Y205C01B00	Yes	Yes
R5	1	SMT Resistor	0.1 W, 69.8 k Ω	1%	0603	Yageo	RC0603FR-0769K8L	Yes	Yes
R7, R8	2	SMT Resistor	0.1 W, 60.4 k Ω	1%	0603	Yageo	RC0603FR-0760K4L	Yes	Yes
R9	1	SMT Resistor	0.1 W, 100 Ω	1%	0603	Yageo	RC0603FR-07100RL	Yes	Yes
R10	1	SMT Resistor	0.1 W, 1 k Ω	1%	0603	Tyco	RC0603FR-071KL	Yes	Yes
R11, R12, R14	3	SMT Resistor	0.1 W, 100 k Ω	1%	0603	Yageo	RC0603FR-07100KL	Yes	Yes
R13	1	Trimmer Potentiometer	20 k Ω	10%	7.00mm x 6.60mm	Vishay	T73YE-20K-ND	Yes	Yes
L	1	Inductor	47 μ H, 1.08 A	20%	7.60mm x 7.60mm	Coiltronics	DR73-470-R	Yes	Yes
D	1	Schottky Diode	60 V / 1 A	-	SOD-323F	NXP	PMEG6010CEJ T/R	Yes	Yes
M1	1	N-Channel MOSFET	60 V / 115 mA	-	SOT-23	ON Semiconductor	2N7002L	No	Yes
Z1	1	Zener Diode	6.2 V	-	SOD-323F	ON Semiconductor	MM3Z6V2	No	Yes
J1, J2	2	2 Pin Header Connector	0.1" Pitch	-	2.54mm x 5.08mm	Tyco	640452-2	Yes	Yes
J5, J6	2	4 Pin Header Connector	0.1" Pitch	-	2.54mm x 10.16mm	Tyco	640452-4	Yes	Yes
-	6	Pin Receptacle (Test Points)	-	-	See datasheet	Mil-Max	0149-0-15-15-30-27-04-0 (or equiv)	Yes	No
-	1	SMT Red LED	-	-	0805	LiteOn	LTST-C170CKT	Yes	Yes