



## Bill of Materials for the CAT4237BGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	CMOS White LED Driver	-	-	TSOT23 - 5-pin	Catalyst	CAT4237TD-GT3	NO	YES
C1	1	Ceramic Capacitor , X5R	4.7 $\mu$ F/6.3 V	20%	0805	Panasonic	ECJ-GVB0J475M	YES	YES
C2	1	Ceramic Capacitor, X7R	0.22 $\mu$ F/50 V	10%	1206	Kemet	C1206C224K5RACTU	YES	YES
L1	1	Inductor, low DCR, high current	33 $\mu$ H	20%	4mmx4mm	TDK	VLCF4018T-330MR42-2	YES	YES
D1	1	Schottky Diode, Low VF, high current	-	-	SOD-323	Central	CMDSH05-4	YES	YES
R1	1	SMT Resistor	6.81 $\Omega$	1%	0603	Yageo	RC0603FR-076R81L	YES	YES
R2	1	Trimmer Potentiometer	100 $\Omega$	10%	6.6mmx6.1mm	Bourns	3329W-1-101LF	YES	YES
R3	1	SMT Resistor	1.0 k $\Omega$	1%	0603	Yageo	Digi-Key 311-1.0KHCT-ND	YES	YES
R4	1	SMT Resistor	200 k $\Omega$	1%	0603	Yageo	RC0603FR-07200KL	YES	YES
D2, R5, S1	0	DNP	-	-	-	-	-	-	-
L1 to L8	8	White LED, SMT	-	-	2mmx3mm	Nichia	NSCW100	YES	YES
J1	1	6-pin Header Connector, 0.1", Single Strip"	-	-	-	Sullins Connector Solutions	PTC06SAAN	YES	YES
J2 to J4	3	2-pin Header Connector, 0.1", Single Strip"	-	-	-	Sullins Connector Solutions	PTC02SAAN	YES	YES
T1 to T10	10	Pin Receptacle (Test Points)	-	-	1.83mm $\Phi$	Mill-Max	0149-0-15-01-30-14-04-0	YES	YES