



## Bill of Materials for the CAT3626 Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed
U1	1	6-Channel LED Driver with I2C interface	-	-	QFN16	ON Semiconductor	CAT3626HS4	NO
U2	1	8-bit flash microcontroller TSSOP20	-	-		Philips Semiconductor	P89LPC922FDH	YES
U3	1	RS-232 Transmitter/receiver, SOIC16 Narrow	-	-		Intersil	ICL3232ECBN	YES
U4	1	3V, 500mA Voltage Regulator, DPAK	-	-		National Semiconductor	LP8345CDT-3.3	YES
U5	1	5V Voltage Regulator, 1A, SOT223	-	-		National Semiconductor	LM340MP-5.0	YES
C1, C2, C3, C4,	4	Ceramic Capacitor X5R	1 $\mu$ F, 10V	10%	0603	AVX	0603ZD105KAT2A	YES
C5, C6, C7, C8,	7	Ceramic Capacitor, X7R	0.1 $\mu$ F, 10V	10%	0805	AVX	0805ZC104KAT2A	YES
C13, C14	2	Ceramic Capacitor	22pF, 100V	5%	1206	AVX	12061A220JAT2A	YES
C15	1	Tantalum Capacitor, Low ESR	10 $\mu$ F / 10V	10%	1206	AVX	TPSA106K010R1800	YES
R1	1	SMT Resistor	180 k $\Omega$ , 1/8 W	1%	0805	Dale	CRCW0805180KFKTA	NO
R2, R3	2	SMT Resistor	5.1 k $\Omega$ , 1/8 W	1%	0805	Dale	CRCW08055K10FKTA	NO
R4	1	SMT Resistor	22 k $\Omega$ , 1/8 W	1%	0805	Dale	CRCW080522K0FKTA	NO
D1 to D6	6	White LED – Not Soldered	-	-	3 mm x 2 mm	Nichia	NSCW100	YES
D7, D8	2	RGB LED, SMD	-	-	6 mm x 5.7mm	Everlight	EL61-23RGBC	YES
J1 to J7, J9	8	2-pin Header Connector, 0.1", Single Strip	-	-	-	MMM	2302-6211TG	YES
J8	1	4-pin Header Connector, 0.1", Single Strip	-	-	-	MMM	23046211TG	YES
K1	1	6-pin Header Connector, 0.1", Double Strip	-	-	-	MMM	2308-62221TG	YES
K3	1	Slide switch	-	-	-	ITT Cannon	L102-01-1-MS-02-Q2	YES
X1	1	Crystal	11.0592 MHz	10%	11mm x 4.65 mm	Vishay	XT9SNLANA11M0592	YES
	9	Jumper Shunts	-	-	-	Specialty Electronics	2JM-G	YES
PP1	1	D-Sub-Plug 9-Pole Solder Pin	-	-	-	ITT Cannon	DE-9P	YES
T1 to T6	6	Pin Receptacle	-	-	-	Mil-Max	#0149-0-15-01-30-14-04-0	YES
BTH	1	Battery Holder 1x 9V	-	-	53.9 mm x 29.6 mm	Keystone	1294	YES