



Bill of Materials for the 60WLEDBULBGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor SMD	510k, 1/8th W	5%	0805	Any	Any	Yes	Yes
R2	1	Resistor SMD	422, 1/8th W	1%	0805	Any	Any	Yes	Yes
R3	1	Resistor SMD	52.3k, 1/8th W	1%	0805	Any	Any	Yes	Yes
R4	1	Resistor SMD	374, 1/8th W	1%	0805	Any	Any	Yes	Yes
R5	1	Resistor SMD	10k, 1/8th W	5%	0805	Any	Any	Yes	Yes
R6	1	Resistor SMD	51k, 1/8th W	5%	0805	Any	Any	Yes	Yes
R7, R8	2	Resistor SMD	100k, 1/8th W	5%	0805	Any	Any	Yes	Yes
C1	1	Capacitor SMD	10nF, 500 V	20%	0805	Any	Any	Yes	Yes
C2	1	X2 Film Capacitor	220 nF, 275 VAC	10%	Through Hole	Würth Electronics Inc	890324023028	Yes	Yes
BD1	1	Bridge Rectifier	600 V	N/A	TO-269AA	Vishay	MB6S-E3/80	Yes	Yes
D1	1	Diode SMD	62 Vz	5%	SOD-123	ON Semiconductor	MMSZ5265BT1G	No	Yes
D2	1	Diode SMD	250 V	N/A	SOD-323	ON Semiconductor	BAS21HT1G	No	Yes
LED1-LED4	4	SMD LED	36V	N/A	SMD	Cree	MHBAWT-0000-000N0BD265E	No	Yes
Q1	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBTA56LT1G	No	Yes
Q2	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT3904LT1G	No	Yes
Q3	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT6517LT1G	No	Yes
Q4	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	NSS1C201LT1G	No	Yes
Q5	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	NSS1C200LT1G	No	Yes
CCR1	1	Constant Current Regulator SMD	120V, 30mA	15%	SMB	ON Semiconductor	NSIC2030JB	No	Yes
CCR2, CCRX	2	Constant Current Regulator SMD	120V, 50mA	15%	SMB	ON Semiconductor	NSIC2050JB	No	Yes
F1	1	Fuse SMD	1.5A, 250V	N/A	2-SMD	Littelfuse	044301.5DR	Yes	Yes
MOV1	1	Varistor SMD	198V, 250A	N/A	2-SMD	Littelfuse	V220CH8T	Yes	Yes
L1	1	Resistor SMD	0, 1/8th W	NA	0805	Any	Any	Yes	Yes
AC+	1	3" Red Wire	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes
AC-	1	3" Black Wire	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes
A	1	5" Wire Any Color	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes
B	1	5" Wire Any Color	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes
C	1	5" Wire Any Color	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes
D	1	5" Wire Any Color	22 AWG	N/A	Through Hole	Any	Any	Yes	Yes