



## Bill of Materials for the LOWVOLTAGEP2GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Capacitor SMD	1 uF, 50 V	20%	805	Any	Any	Yes	Yes
Connectors	2	SMD	N/A	N/A	SMD	AVX	AVX 709296001002006	No	Yes
D1	1	Schottky Diode SMD	100 V	NA	SMA	ON Semiconductor	MBRA1H100T3G	No	Yes
LED1-3	3	SMD LED	3 V	N/A	SMD	Lumileds	LFXH-C2B-0200	No	Yes
Q1, Q4, Q5, Q12	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT3904LT1G	No	Yes
Q2, Q3, Q8, Q9	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT3906LT1G	No	Yes
Q6	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	NSS40201L	No	Yes
Q7	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-223	ON Semiconductor	BCP53	No	Yes
Q10	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	NSS40200L	No	Yes
Q11	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-223	ON Semiconductor	BCP56	No	Yes
R1, R3	1	Resistor SMD	4.99k, 1/8th W	5%	805	Any	Any	Yes	Yes
R2, R5, R6	1	Resistor SMD	1k, 1/8th W	5%	805	Any	Any	Yes	Yes
R4, R7, R11, R12	1	Resistor SMD	10k, 1/8th W	5%	805	Any	Any	Yes	Yes
R8, R9	1	Resistor SMD	100k, 1/8th W	5%	805	Any	Any	Yes	Yes
R10	1	Resistor SMD	2.2k, 1/8th W	5%	805	Any	Any	Yes	Yes
R13, R15	1	Resistor SMD	DNP	5%	805	Any	Any	Yes	Yes
R14, R16	1	Resistor SMD	6.65, 1/8th W	5%	805	Any	Any	Yes	Yes
R17	1	CCR	10 mA, 50 V	-	SOD-123	ON Semiconductor	NSI50010Y	No	Yes
S1	1	Schottky Diode SMD	30 V	NA	SOD-123	ON Semiconductor	BAT54T1G	No	Yes
ZD1	1	Zener	43 V		SOD-123	ON Semiconductor	MMSZ5260B	No	Yes