



Bill of Materials for the UIC1WGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
R1	1	Resistor SMD	33kΩ, 1/8th W	1%	0805	Any	Any	Yes	Yes
R2-R6	1	Resistor SMD	510kΩ, 1/8th W	1%	0805	Any	Any	Yes	Yes
C1	1	Capacitor Aluminum TH	10μF, 160 V	20%	TH	Chemi-Con	EKXE161ELL100MHB5D	Yes	Yes
Q1	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT3906LT1G	No	Yes
Q2	1	PNP Bipolar Transistor SMD	N/A	N/A	SOT-23	ON Semiconductor	MMBT6520LT1G	No	Yes
Q3	1	NPN Bipolar Transistor SMD	N/A	N/A	SOT-223	ON Semiconductor	PZTA96S	No	Yes
ZD1	1	Zener Diode SMD	91 Vz	N/A	SOD-123	ON Semiconductor	MMSZ5270B	No	Yes
CCR1	1	Constant Current Regulator SMD	120V, 20mA	15%	SMB	ON Semiconductor	NSIC2020JB	No	Yes
BD1	1	Bridge Rectifier	N/A	N/A	DIP4	ON Semiconductor	DBB08G	Yes	Yes
F1	1	Fuse	1A, 350 VAC	N/A	TH	Bel Fuse Inc.	3JQ 1-R	Yes	Yes
MOV1	1	Varistor	423V, 1.2kA	N/A	TH	Bourns Inc.	MOV-07D471KTR	Yes	Yes
LED1	1	SMD LED	48V	N/A	2-SMD	Phillips Lumileds	L135-50800CHV00001	No	Yes