



Bill of Materials for the LV5011MD2GEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1	1	Metallized Polyester Film Capacitor	0.033uF/AC275V	10%	Radial	Okaya	LE333	Yes	Yes
C2	1	Ceramic Capacitor, X7R	0.22uF/630V	10%	Radial	Murata	RDER72J224K5B1C13B	Yes	Yes
C3	1	Ceramic Capacitor, X7R	0.047uF/630V	10%	Radial	Murata	RDER72J473K3K1C11B	Yes	Yes
C4	1	Ceramic Capacitor, X7R	0.047uF/630V	10%	Radial	Murata	RDER72J473K3K1C11B	Yes	Yes
C5	1	Ceramic Capacitor, X7R	4.7uF/50V	10%	1206	Murata	GRM31CR71H475KA	Yes	Yes
C6	1	Aluminum Electrolytic Capacitor	47uF/80V	20%	8*11.5	Rubycon	80ZLJ47M	Yes	Yes
C7	1	Ceramic Capacitor, CH	100pF/50V	10%	0603	Murata	GRM1882CH1H101JA01	Yes	Yes
D1	1	Bridge Diode	600V/0.8A	-	1Z(SMD)	Shindengen	S1ZB60	Yes	Yes
D2	1	Diode	400V/1A	-	SMA	ON Semiconductor	MRA4004T3G	Yes	Yes
D3	1	Power Rectifier, Ultra-Fast	600V/1A	-	SMA	ON Semiconductor	MURA160T3G	Yes	Yes
L1	1	Inductor	3.9mH	10%	Radial	Sumida	RCH895NP-392K	Yes	Yes
F1	1	Metal Film Fuse Resistor	68, 1W	5%	Axial	Panasonic	ERQ1ABJ680	Yes	Yes
R1	1	Metal Film Resistor	68, 1W	5%	Axial	Panasonic	ERG1SJ680	Yes	Yes
R2	1	Metal Film Resistor	680Ω, 3W	5%	Axial	Panasonic	ERG3SJ681	Yes	Yes
R3	1	Chip Resistor	1.8Meg	1%	0805	ROHM	KTR10PZPZF1804	Yes	Yes
R4	1	Chip Resistor	5.6k	1%	0603	KOA	RK73H1JTDD562	Yes	Yes
R5	1	Chip Resistor	0	-	0603	KOA	RK73Z1JTDD000	Yes	Yes
R6	1	Chip Resistor	820k	5%	1206	ROHM	KTR10EZPJ824	Yes	Yes
R7	1	Chip Resistor	2	1%	0805	ROHM	MCR10PZHFL2R00	Yes	Yes
R8	0	Open / DNP	-	-	-	-	-	Yes	Yes
R9	1	Chip Resistor	100	5%	0603	KOA	RK73H1JTDD101	Yes	Yes
R10	1	Chip Resistor	10k	1%	0603	KOA	RK73H1JTDD103	Yes	Yes
R11	1	Chip Resistor	39k	1%	0603	KOA	RK73H1JTDD393	Yes	Yes
T1	1	Transformer	-	-	EE10	WE midcom	750342001 rev.01	Yes	Yes
U1	1	LED Driver	-	-	SOIC10	ON Semiconductor	LV5011MD	No	Yes
VR1	1	Varistor	470V	-	Radial	Nippon Chemicon	TND05V-471KB	Yes	Yes