



Bill of Materials for the NCP45521IMNGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	ecoSWITCH™ Integrated Load Switch	NCP45521	-	DFN8	On Semiconductor	NCP45521IMNTWG-H	Yes*	Yes
R1	1	Resistor SMD	100 ohm	± 5%	0805	Panasonic - ECG	ERJ-6GEYJ101V	Yes	Yes
C1, C4	2	Ceramic Capacitor SMD	0.1 uF	± 10%	0603	Murata Electronics	GRM188R71H104KA93D	Yes	Yes
C3	1	Ceramic Capacitor SMD	1 uF	± 10%	0603	Murata Electronics	GRM188R71E105KA12D	Yes	Yes
C5	1	Ceramic Capacitor SMD	0.018 uF	± 10%	0603	Murata Electronics	GRM188R71H183KA01D	Yes	Yes
J1, J6	2	Connector Header	0.1" 2 Positions	-	TH	TE Connectivity	5-146285-2	Yes	Yes
J1, J6	2	Connector Jumper	0.1" 2 Positions	-	-	Sullins Connector	SPC02SYAN	Yes	Yes
J2, J3, J4, J5	4	Banana Connector - Binding Post	-	-	TH	Emerson Network	111-2223-001	Yes	Yes
TP3, TP4, TP5,	6	Compact Test/Connection Point	0.063" Hole Diameter	-	TH	Keystone Electronics	5007	Yes	Yes
-	4	Board Hex Standoff	4-40 Thread, 0.5"	-	TH	Keystone Electronics	1893	Yes	Yes
-	4	Standoff Machine Screw	4-40, 0.375"	-	-	B&F Fastener Supply	PMSSS 440 0038 PH	Yes	Yes

* The NCP45521IMNTWG-H can be substituted only by NCP45521IMNTWG-L