



Bill of Materials for the NCP1597BGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	FootPrint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	Current Mode PWM Converter	-	-	DFN3X3_10PIN	ON Semi	NCP1597BMNTWG	No	Yes
C1;C2;C4;C5	4	Ceramic Chip Capacitor	22 uF	20%	0805	TDK	C2012X5R0J226M	Yes	Yes
C3	1	Ceramic Chip Capacitor	0.1uF	10%	0603	TDK	C1608X7R1E104K	Yes	Yes
R1	1	Chip Resistor	8.87k	1%	603	Vishay/Dale	CRCW06038K87FKEA	Yes	Yes
R2	1	Chip Resistor	10k	1%	603	Vishay/Dale	CRCW060310K0FKEA	Yes	Yes
L1	1	Power Inductor	3.3 uH	20%	6.3 x 6.2 x 2mm	Würth	744314330	No	Yes
VIN; VOUT; LX; FB; GND	7	Printed Circuit Pins	-	-	0.040 DIA	Mill-Max	6821-0-00-15-00-00-08-0	Yes	Yes
EN	1	CONN HEADER 2POS .100" STR TIN	-	-	-	Molex	90120-0122	Yes	Yes

*user may choose to solder banana jacks to solder pads on PCB