



Bill of Materials for the NCP2823AGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
U1	1	3 W Filterless Class D Audio Amplifier	-	-	CSP-9 1.45 mm²	ON Semiconductor	NCP2823AFCT2G	No	Yes
C1,C2	2	Capacitor, Ceramic	100nF	10%	0603	KEMET	C0603C104K5RAC	Yes	Yes
C4	1	Capacitor, Ceramic	4.7 μ F 6.3 V	10%	0603	KEMET	C0603C475K9PAC	Yes	Yes
R1,R2	2	Resistor	150k	1%	0603	Std	Any supplier possible	Yes	Yes
J11, J17	2	Screw Connector (0.2" Pitch)	-	-	Through Hole	Weidmuller	1716020000	Yes	Yes
J1	1	Header 3 pin, 100 mil spacing	-	-	0.100 x 2	Std	Std	Yes	Yes
J7, J8, J25, J20	4	Header 2 pin, 100 mil spacing	-	-	0.100 x 2	Std	Std	Yes	Yes
J4	1	GND Connection Bar	-	-	-	Std	Std	Yes	Yes
J2, J3, J9, J10, J12, J13	9	Test Point	-	-	-	Std	Std	Yes	Yes
J31, J32	2	Soldering point must be connected	-	-	-	Any	TLS-P-001-A-1109-RD	Yes	Yes
PCB	1	PCB 2.0 in x 2.0 in x 1.0 mm, 4 Layers	-	-	-	-	-	-	-