

Bill of Materials for the NCP2809BGEVB Evaluation Board

9/13/2013

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	RoHS Compliant
U1	1	Stereo Headphone Power Amplifier	135 mW	NA	Micro-10	ON Semiconductor	NCP2809BDMR2G	No	Yes
R1, R3	2	Thick Film Chip Resistor	40 k Ω , 0.125 W	1%	0805	Vishay	CRCW08054022FNEA	Yes	Yes
R2, R4	2	Thick Film Chip Resistor	20 k Ω , 0.125 W	1%	0805	Vishay	CRCW08052002FNEA	Yes	Yes
R5	1	Thick Film Chip Resistor	100 k Ω , 0.125 W	1%	0805	Vishay	CRCW08051003FNEA	Yes	Yes
C1 - C4	4	Ceramic Chip Capacitor	1 μ F, 16 V	10%	0806	Murata	GRM21BR71C105KA01L	Yes	Yes
J5	1	PCB Header, 2 Poles	300 V, 15 A	NA	NA	Weidmuller	1514910000	Yes	Yes
J5A	1	PCB Plugs, 2 Poles	300 V, 15 A	NA	NA	Weidmuller	1526410000	Yes	Yes
J2, J3	2	PCB Header, 3 Poles	300 V, 15 A	NA	NA	Weidmuller	1515010000	Yes	Yes
J2A, J3A	2	PCB Plugs, 3 Poles	300 V, 15 A	NA	NA	Weidmuller	1526510000	Yes	Yes
J6	1	PCB Mount Angle Plug	50 Ω	NA	5.08x5.08 mm	Radial	R114665000	Yes	Yes
U2	0	DNP	-	-	-	-	-	-	-
J7	1	Header Pins, 3 Positions	1" Pitch	NA	NA	Tyco Electronics/AMP	9-146281-0	Yes	Yes
J7A	1	Jumper, 2 Positions	1" Pitch	NA	NA	Sullins Electronics	SPC02SYAN	Yes	Yes
TP1 - TP3	3	Test Point, Red	NA	NA	0.04" Hole Diameter	Keystone	5000	Yes	Yes