



Bill of Materials for the STK404-140NGEVB Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
IC	1	Audio Power Amplifier, Class AB, 1-Channel	-	-	SIP-13	ON Semiconductor	STK404-140N-E	No	Yes
R1	1	Resistor	1k Ω	1%	Through-hole	Various	Various	Yes	Yes
R2	1	Resistor	56k Ω	1%	Through-hole	Various	Various	Yes	Yes
R3	1	Resistor	1.8k Ω	1%	Through-hole	Various	Various	Yes	Yes
R4	1	Resistor	100 Ω /1W	1%	Through-hole	Various	Various	Yes	Yes
R5	1	Resistor	56k Ω	1%	Through-hole	Various	Various	Yes	Yes
R6	1	Resistor	5.1k Ω /1W	1%	Through-hole	Various	Various	Yes	Yes
R7	1	Resistor	5.1k Ω /1W	1%	Through-hole	Various	Various	Yes	Yes
R8	1	Resistor	0.22 Ω /5W	1%	Through-hole	Various	Various	Yes	Yes
R9	1	Resistor	0.22 Ω /5W	1%	Through-hole	Various	Various	Yes	Yes
R10	1	Resistor	4.7 Ω /1W	1%	Through-hole	Various	Various	Yes	Yes
R11	1	Resistor	4.7 Ω /1W	1%	Through-hole	Various	Various	Yes	Yes
C1	1	Capacitor	470pF	1%	Through-hole	Various	Various	Yes	Yes
C2	1	Capacitor	2.2 μ F/50V	1%	Radial	Various	Various	Yes	Yes
C3	1	Capacitor	10 μ F/50V	1%	Radial	Various	Various	Yes	Yes
C4	1	Capacitor	100 μ F/100V	1%	Radial	Various	Various	Yes	Yes
C5	1	Capacitor	5pF	1%	Through-hole	Various	Various	Yes	Yes
C6	1	Capacitor	100 μ F/50V	1%	Radial	Various	Various	Yes	Yes
C7	1	Capacitor	47 μ F/100V	1%	Radial	Various	Various	Yes	Yes
C8	1	Capacitor	10 μ F/100V	1%	Radial	Various	Various	Yes	Yes
C9	1	Capacitor	10 μ F/100V	1%	Radial	Various	Various	Yes	Yes
C10	1	Capacitor	0.1 μ F	1%	Through-hole	Various	Various	Yes	Yes
D1	1	Jumper	5mm	-	Through-hole	Various	Various	Yes	Yes
L1	1	Inductor	2.2 μ H	1%	Radial	Various	Various	Yes	Yes
J1	1	Jumper	15mm	-	Through-hole	Various	Various	Yes	Yes
J2	1	Jumper	10mm	-	Through-hole	Various	Various	Yes	Yes
GND	3	Test Pins	-	-	-	Various	Various	Yes	Yes
+Vcc	1	Test Pins	-	-	-	Various	Various	Yes	Yes
-Vcc	1	Test Pins	-	-	-	Various	Various	Yes	Yes
IN	1	Test Pins	-	-	-	Various	Various	Yes	Yes
OUT	1	Test Pins	-	-	-	Various	Various	Yes	Yes
+12V	1	Test Pins	-	-	-	Various	Various	Yes	Yes
TSD	2	Test Pins	-	-	-	Various	Various	Yes	Yes