

## Digital audio transformers

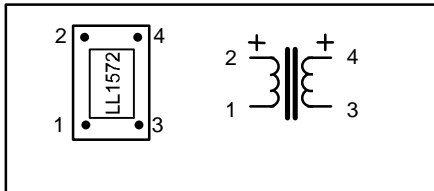
### LL1572 (1:1), LL1573 (1:1:1) and LL1589 (1:1:1:1)

The LL1572, LL1573, LL1589 are pulse transformer designed for digital audio. They are designed with a rather large amorphous metal core and have thus low copper resistance, high signal tolerance and low internal capacitance. The amorphous core has a very high  $\mu$ . Thus, when used, the transformer should be protected from DC current.

#### LL1572 isolation transformer

<b>Turns ratio:</b>	1:1
<b>Dims: (Length x Width x Height above PCB (mm))</b>	15 x 9 x 11
<b>Spacing between pins 1 and 2:</b>	10.16 mm (0.4")
<b>Spacing between pins 1 and 3:</b>	5.08 mm (0.2")
<b>Rec. PCB hole diameter:</b>	1.5 mm
<b>Weight</b>	2 grams

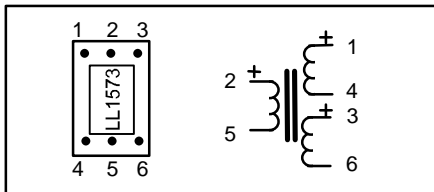
#### Pin Layout (Top View) and Winding Schematic



#### LL1573 two output splitting transformer

<b>Turns ratio:</b>	1:1:1
<b>Dims: (Length x Width x Height above PCB (mm))</b>	15 x 9 x 12
<b>Spacing between rows of pins:</b>	10.16 mm (0.4")
<b>Spacing between pins in a row</b>	2.54 mm (0.1")
<b>Rec. PCB hole diameter:</b>	1.4 mm
<b>Weight</b>	2.3 grams

#### Pin Layout (Top View) and Winding Schematic



#### LL1589 three output splitting transformer

<b>Turns ratio:</b>	1:1:1:1
<b>Dims: (Length x Width x Height above PCB (mm))</b>	15 x 12 x 12
<b>Spacing between rows of pins:</b>	10.16 mm (0.4")
<b>Spacing between pins in a row</b>	2.54 mm (0.1")
<b>Rec. PCB hole diameter:</b>	1.4 mm
<b>Weight</b>	2.5 grams

#### Pin Layout (Top View) and Winding Schematic

