

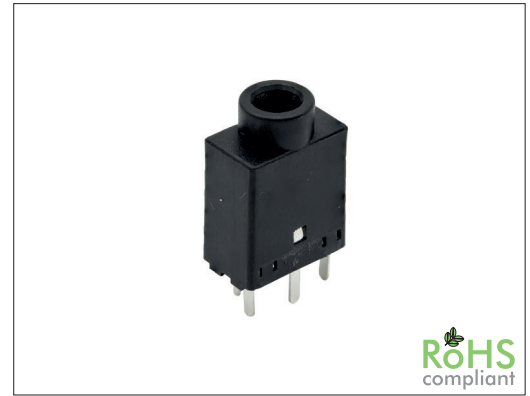
# 4251 Series

# 3.5 mm Earphone Jack Vertical

## General specifications

Insulator material	PBT w/ glass fiber, UL94V-0
Contact material	Phosphor bronze or brass, plating: tin
Bushing material	Brass, plating: nickel
Current rating	2 A
Voltage rating	12 VDC
Contact resistance	30 mΩ max.
Insulator resistance	100 MΩ min.
Dielectrical withstanding	500 VAC for 1 min.
Durability	2000 cycles
Soldering	Lead free wave soldering process

## Mating parts series

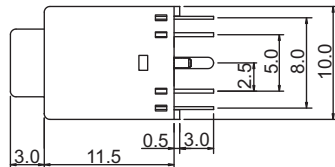


RoHS  
compliant

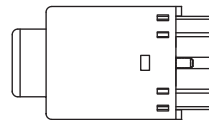
## Mechanical dimensions

Unit: mm

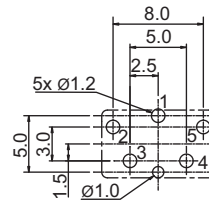
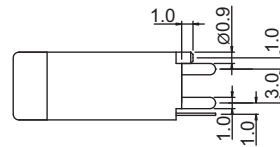
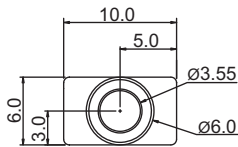
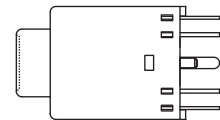
**4251A**  
all plastic



**4251B**  
w/ front metal ring



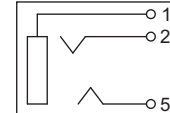
**4251E**  
w/ short metal ring



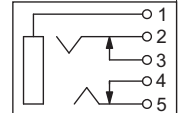
Recommended P.C.B. layout  
bottom view, tolerances:  $\pm 0.10$

Tolerances		
Linear	X	$\pm 0.30$
	.XX	$\pm 0.20$
	.XXX	$\pm 0.05$

**4251x03**



**4251x05**



## Part numbering guide

**4251 A**

Series  
4251A = w/ plastic  
4251B = w/ front metal ring  
4251E = w/ short metal ring

**03**

No. of contacts  
03, 05

**B**

Color  
A = Pink      E = Orange  
B = Black\*    F = Light blue  
C = Lime  
D = Yellow

\* standard

