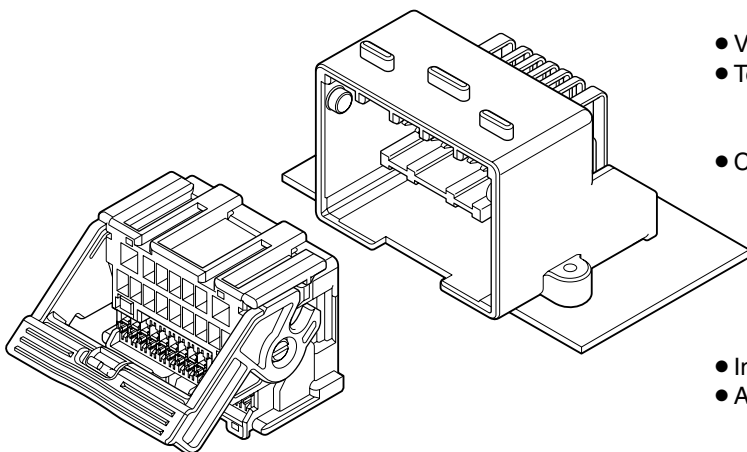


0.64/1.5 /2.8 hybrid circuits unsealed board-to-wire connector with lever mechanism proven in Automotive Radio application.

### Features

- Optimum Combination of Power and Signal pins for Car Audio System
- 44 Circuits 0.64/1.5/2.8 Hybrid Board-to-Wire Connection System
- Pre-set Terminal Position Assurance (TPA)
- Pre-locked lever mechanism for low overall mating force
- Compact design



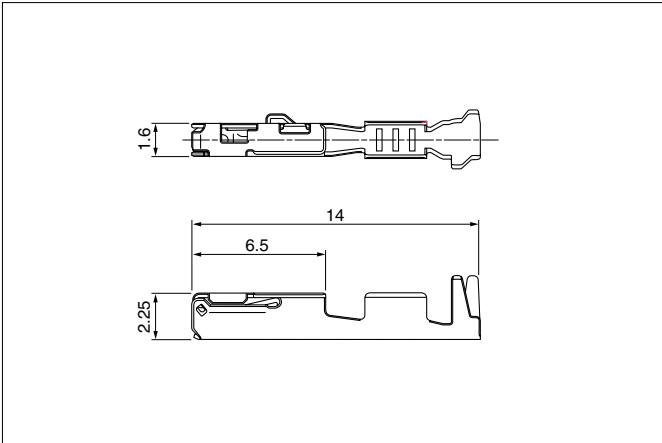
### Specifications

- Current rating: Signal; 5A DC max. (0.64 Terminal)  
Power; 15A DC max. (1.5 Terminal)  
Power; 25A DC max. (2.8 Terminal)
- Voltage rating: 14V DC
- Temperature range: -40°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance:
  - 0.64 Terminal; Initial value/15mΩ max.  
After environmental testing/15mΩ max.
  - 1.5 Terminal; Initial value/8mΩ max.  
After environmental testing/8mΩ max.
  - 2.8 Terminal; Initial value/5mΩ max.  
After environmental testing/5mΩ max.
- Insulation resistance: 100MΩ min.
- Applicable wire:
  - 0.64 Terminal; SAE/AVSS/CAVS, 0.3mm<sup>2</sup> to 0.8mm<sup>2</sup>
  - 1.5 Terminal; 0.35mm<sup>2</sup> to 1.0mm<sup>2</sup>
  - 2.8 Terminal; 0.35mm<sup>2</sup> to 5.0mm<sup>2</sup>

\* Compliant with ELV/RoHS.  
\* Contact JST for details.

# RAD CONNECTOR

## Female terminal

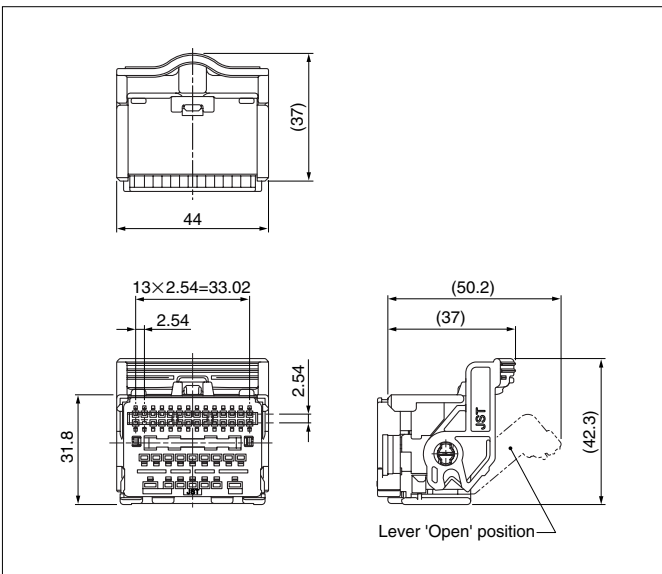


Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm <sup>2</sup> )	Insulation O.D. (mm)	
0.64	<b>SAIT-A03T-M064</b>	0.3 to 0.5	≤1.9	6,500
	<b>SAIT-A02T-M064</b>	0.75 to 0.8	≤1.9	6,500
1.5	<b>GT150</b> or equivalent Terminal (customer specified Terminal.)			
2.8	<b>GT280</b> or equivalent Terminal (customer specified Terminal.)			

### Material and Finish

0.64 Terminal: Copper alloy, tin-plated (reflow treatment)  
 1.5, 2.8 Terminal: Copper alloy, (refer to Delphi Connection Systems for detail)

## Female connector

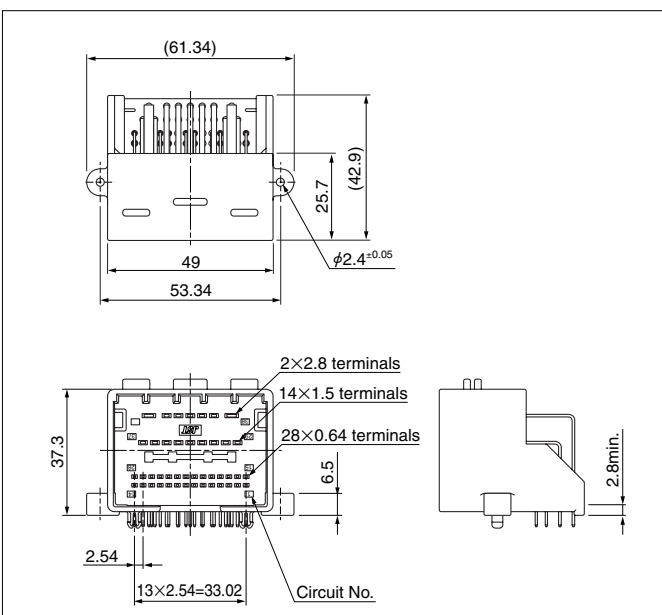


Circuits	Model No.	Q'ty/box
44	<b>RADPB-44-1AK</b>	180

### Material

Housing: Glass-filled PBT, black  
 TPA: Glass-filled PBT, natural (white)  
 Lever: Glass-filled PBT, black

## Male connector

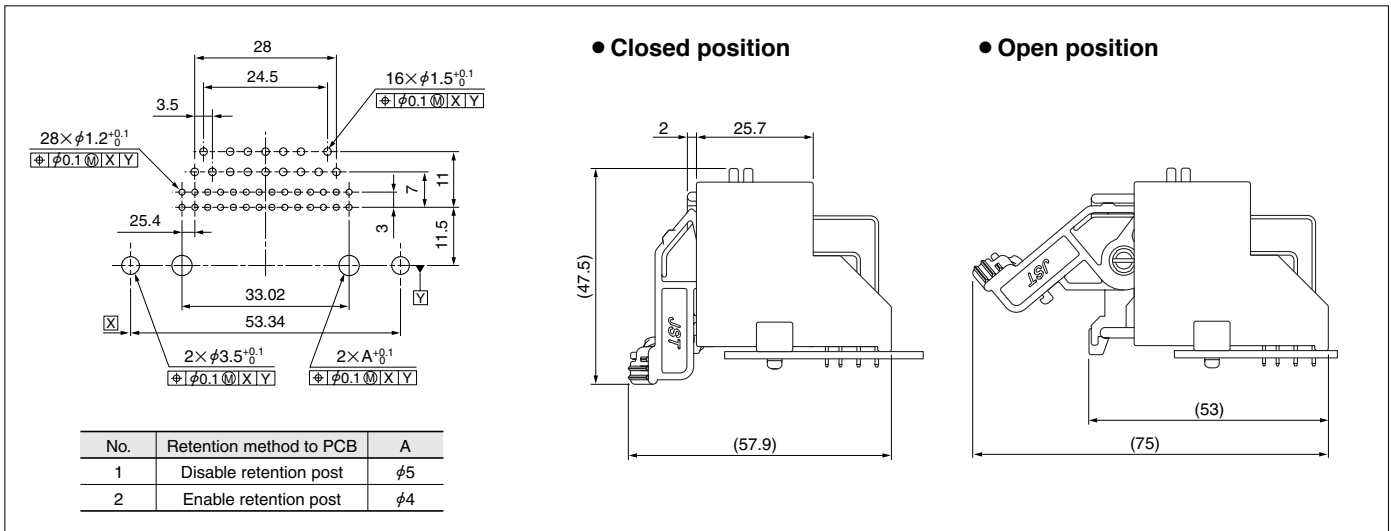


Circuits	Model No.	Q'ty/box
44	<b>S44B-RAD-1AK</b>	105

### Material and Finish

Housing: Glass-filled PBT, black  
 Tine-plate: Glass-filled PBT, black  
 Pin: Copper alloy, tin-plated

## PC board layout, Assembly layout



Note: 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  for all centers.

2. Hole dimensions differ according to the type of PC board and piercing method.  
The dimensions above should serve as guideline. Contact JST for details.

## Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SAIT-A03T-M064	AP-K2N	MK/SAIT-A03-064	APLMK SAIT-A03-064
SAIT-A02T-M064		MK/SAIT-A02-064	APLMK SAIT-A02-064

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.