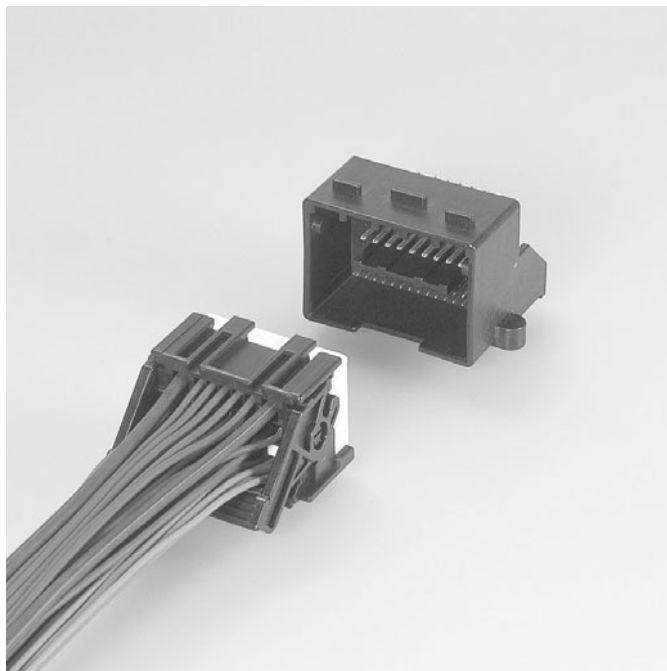




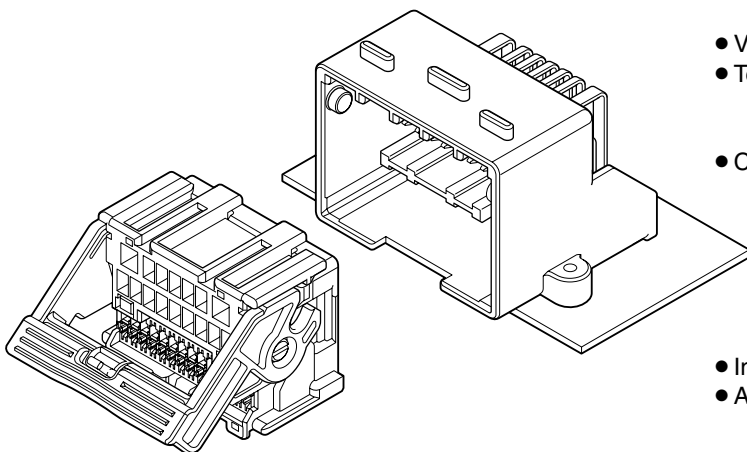
0.64/1.5 /2.8 hybrid circuits unsealed board-to-wire connector with lever mechanism proven in Automotive Radio application.

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

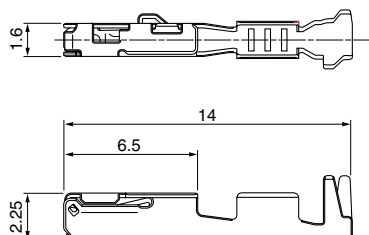
- Current rating: Signal; 5A DC max. (0.64 Terminal)
Power; 15A DC max. (1.5 Terminal)
Power; 25A DC max. (2.8 Terminal)
- Voltage rating: 14V DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - 0.64 Terminal; Initial value/15mΩ 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, 0.3mm² to 0.8mm²
 - 1.5 Terminal; 0.35mm² to 1.0mm²
 - 2.8 Terminal; 0.35mm² to 5.0mm²



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

RAD CONNECTOR

Female terminal



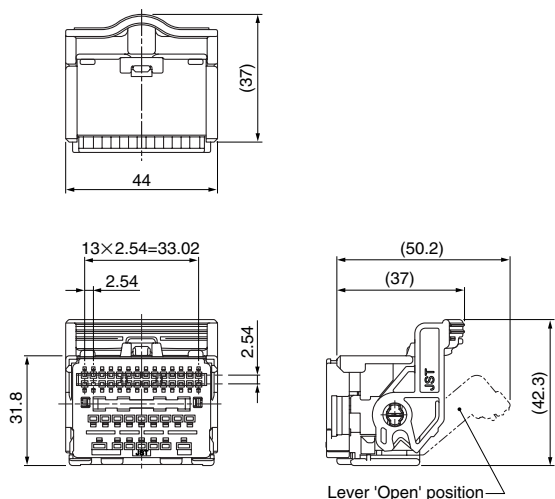
Terminal	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
0.64	SAIT-A03T-M064	0.3 to 0.5	≤1.9	6,500
	SAIT-A02T-M064	0.75 to 0.8	≤1.9	6,500
1.5	GT150 or equivalent Terminal (customer specified Terminal.)			
2.8	GT280 or equivalent Terminal (customer specified Terminal.)			

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	RADPB-44-1AK	180

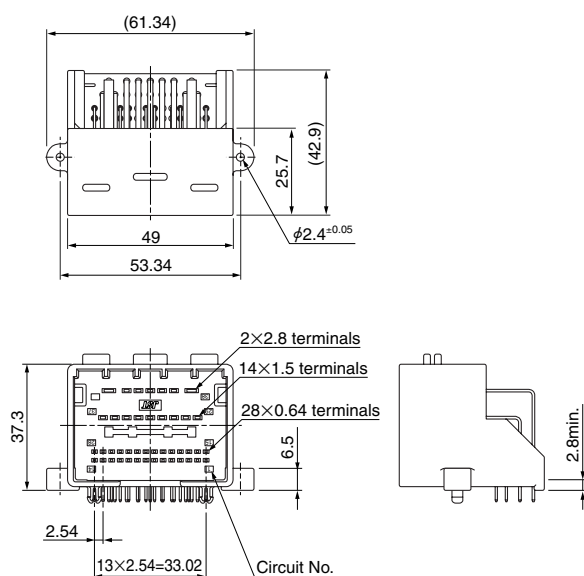
Material

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	S44B-RAD-1AK	105

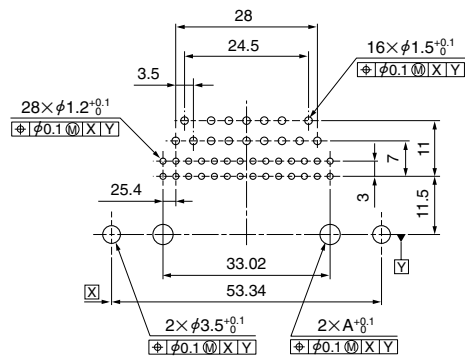
Material and Finish

Housing: Glass-filled PBT, black

Tine-plate: Glass-filled PBT, black

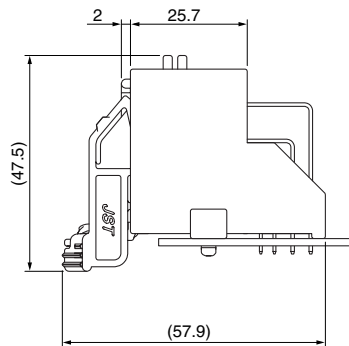
Pin: Copper alloy, tin-plated

PC board layout, Assembly layout

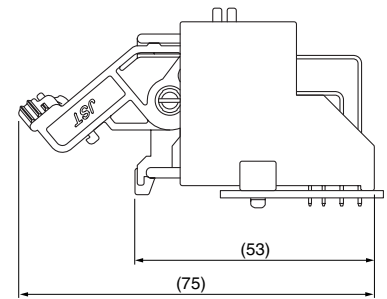


No.	Retention method to PCB	A
1	Disable retention post	φ5
2	Enable retention post	φ4

● Closed position



● Open position



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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JST:

[RADPB-44-1AK](#) [S44B-RAD1AK](#)