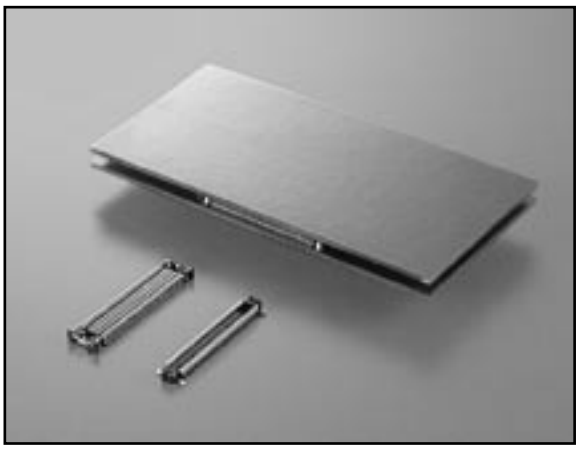
AA01A SERIES CONNECTORS

0.50mm (.020") Contact Spacing, PCB to PCB SMT Connectors



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The AA01A Series is a 0.5mm (.020") pitch, SMT, board-to-board connector with a 1.5mm (.059") stacking height. The fine pitch and low profile offer system designers a wide range of flexibility in order to meet the tight packaging requirements needed in applications such as PDAs, cell phones, camcorders, notebook PCs and other compact equipment.

FEATURES

- 0.5mm (.020") pitch 2 row connector
- Low profile 1.5mm mating height
- Small space required on the board for mounting
- Guide on insulator mates connector automatically by assembly machine
- Large hold down for secure mounting
- Metal hold down covers corner and shorter side of connector to decrease contact stress
- Locking mechanism in each contact
- Unique design prevents solder wicking
- Each contact has two contact mating areas, for secure mating
- Anti-shock structure for drop testing
- Lead free

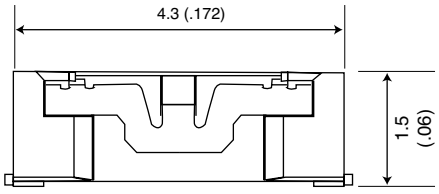
GENERAL SPECIFICATIONS

Number of Contacts	10, 30, 40, 60
Contact Spacing	0.5mm (.020")
Current Rating	0.2 Amp per contact
Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	70 milliohms max.
Operating Temperature	-40°C to +85°C

MATERIALS AND FINISHES*

Description	Materials/Finishes
Insulator	Heat Resistant Plastic (UL94V-0, Black)
Contact	Copper Alloy with Gold Plating Contact Area: 0.1 µm min.
Hold down	Copper Alloy with Tin Plating

Connector Profile (Ref.)



ORDERING INFORMATION

AA01A * *** ** * *

Series
Connector Type
- P – Plug
- R – Receptacle

No. of Contacts
- 010 – 10 position
- 030 – 30 position
- 040 – 40 position
- 060 – 60 position

Connection Type
- VA – Stacking

Contact Finish
- 1 – Gold Plating

Modification Code
- R3000 – 3000 Pieces per reel

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.