

NEW



0.8mm Pitch Board-to-Board
Factory Automation Connector

CONNECTOR

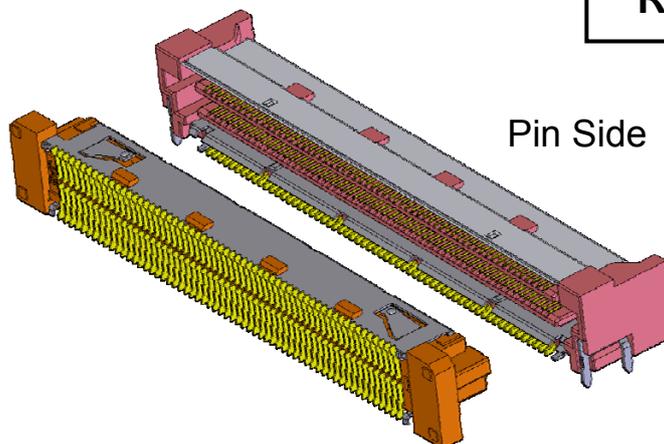
MB-0218-1

November 2010

BA1 Series

RoHS Compliant

Socket Side



Pin Side

The BA1 Series is a 0.8mm pitch board-to-board connector which answers the demand for robustness and contact reliability for various factory automation devices such as CNC, servo amplifier, PLC and measuring devices.

Features

- Robust with mating guide structure ideal for rack and panel mounting.
- Non-pin type connector shape strong against twist during mating.
- Superior contact reliability with two-point contact structure.
- Terminal area compatible with SMT mounting, vertical connection with board.
- Grounded structure with EMI countermeasure.

General Specifications

- | | |
|--|--|
| ■ No. of Contacts: 120 pos. | ■ Rated Current: 0.5A per terminal |
| ■ Contact Resistance:
40mΩ max. (initial) | ■ Insulation Resistance:
100MΩ ohm min. (initial) |
| ■ Dielectric Withstanding Voltage:
500V AC r.m.s per minuet (initial) | ■ Operating Temperature:
-70 Deg. C to 70 Deg. C |

Materials and Finishes

■ Pin Side

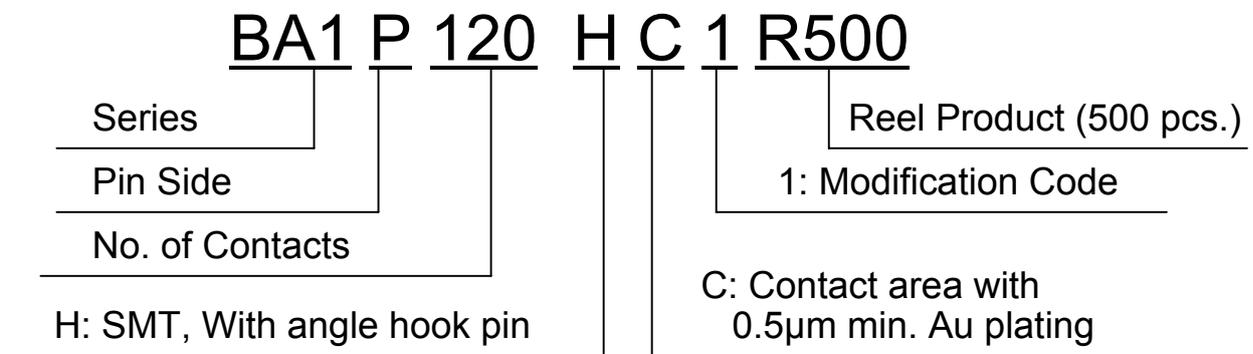
Component	Material and Finish
Contact	Copper alloy / Contact area: Au plating over Ni Terminal area: Au flash plating over Ni
Insulator	Glass filled 9T-Ny / None
Shell	Copper alloy / Reflow Sn plating
Hook	Copper alloy / Sn plating over Ni

■ Socket Side

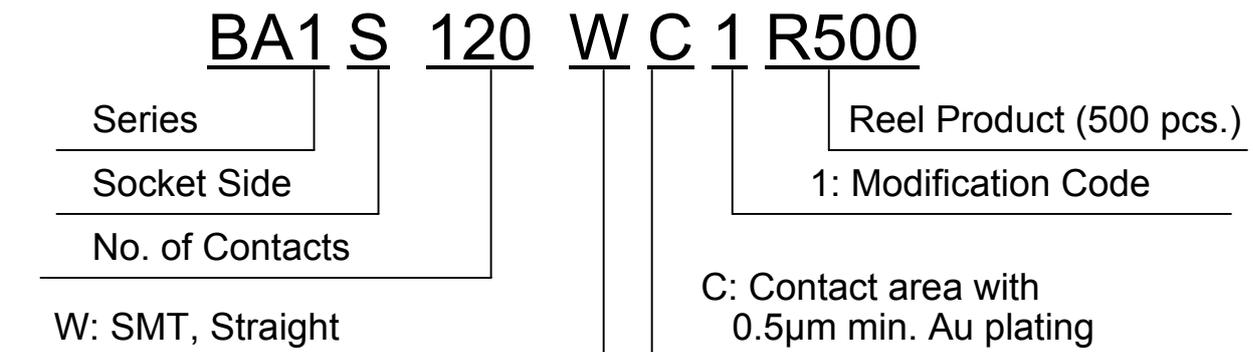
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Insulator	Glass filled 9T-Ny / None
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Ordering Information

■ Pin Side

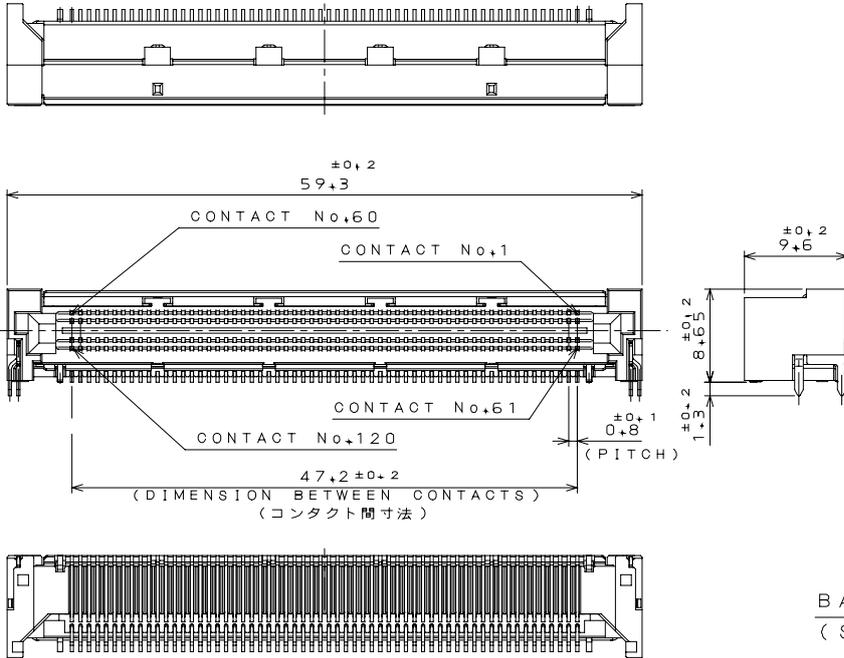


■ Socket Side

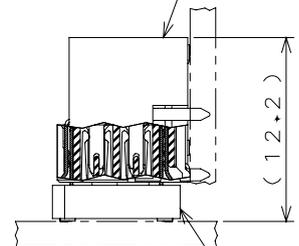


Product Drawing

■ Pin Side (Angle Type)
BA1P120HC1 (SJ110263)



BA1P120HC1 (ピン側)
(SJ110263)



BA1S120WC1 (ソケット側)
(SJ110264)

Drawing when mated
(for reference)

■ Socket Side (Straight Type)
BA1S120WC1 (SJ110264)

