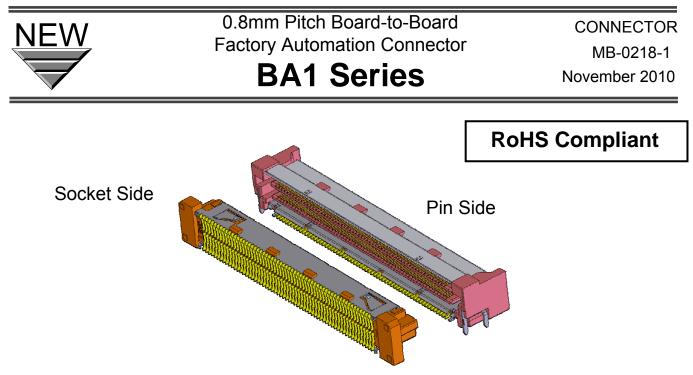
COMPONENTS PRODUCT INFORMATION





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.

Contact Resistance:

 $40m\Omega$ max. (initial)

- Dielectric Withstanding Voltage:
 500V AC r.m.s per minuet (initial)
- ■Rated Current: 0.5A per terminal
- ■Insulation Resistance: 100MΩ ohm min. (initial)
- Operating Temperature: -70 Deg. C to 70 Deg. C

Materials and Finishes

■Pin Side

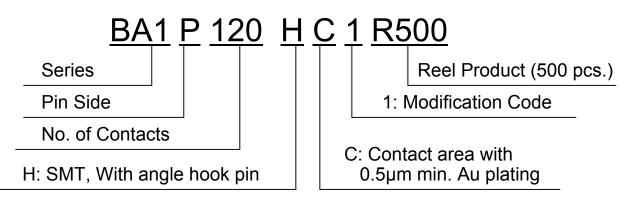
Component	Material and Finish	
Contact	Copper alloy / Contact area: Au plating over Ni Terminal area: Au flash plating over Ni	
Insulator	Glass filled 9T-Ny / None	
Shell	Copper alloy / Reflow Sn plating	
Hook	Hook Copper alloy / Sn plating over Ni	

Socket Side

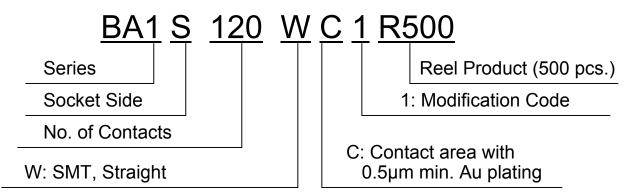
Component	Material and Finish	
Contact Copper alloy / Contact area: Au plating over Terminal area: Au flash plating over Ni		
Insulator	Glass filled 9T-Ny / None	
Shell	Copper alloy / Reflow Sn plating	

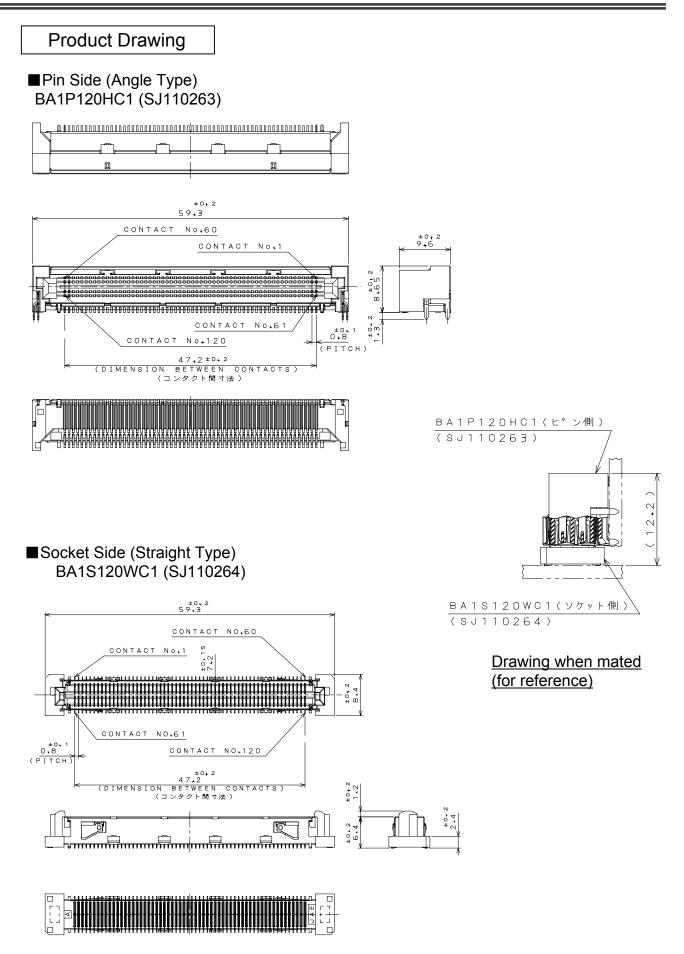
Ordering Information

■Pin Side

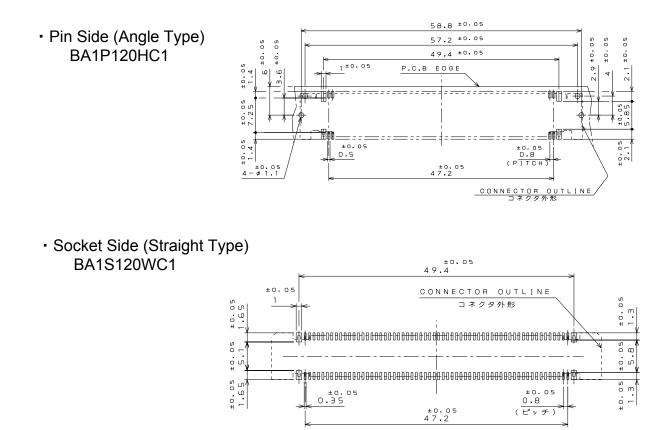


Socket Side





■Applicable Dimensions for Board (for reference)



SJ Drawing No.

Part Number	SJ Drawing No.	Specification
BA1P120HC1 (Pin side, individual product) *Note	SJ110263	JACS -10667
BA1S120WC1 (Socket side, individual product) *Note	SJ110264	
BA1P120HC1R500 (Pin side, reel product)	SJ110309	
BA1S120WC1R500 (Socket side, reel product)	SJ110310	

Note) Only reel products (500 pcs.) are available for sale. Please contact us concerning sales of individual products.

Test Report: SR-C-0961

Japan Aviation Electronics Industry, Limited

Product Marketing Division Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539 Phone: +81-3-3780-2787 FAX: +81-3-3780-2946 **Notice:** Products shown in this leaflet are made for the applications listed below. However, if the abovementioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for lifesupport systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.

Recommended applications: computers, office machines, measuring devices, telecommunication devices (terminals, mobile devices), AV devices, household applications, FA devices, etc.