

**NEW**



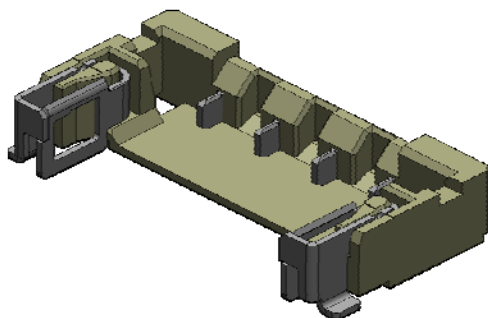
# ES9 Series

## Spring Lock Connector

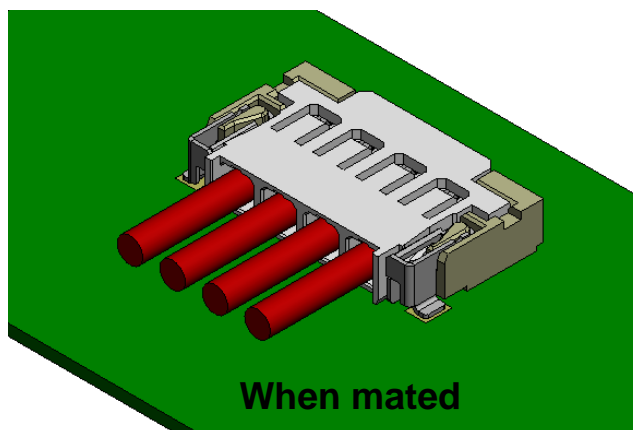
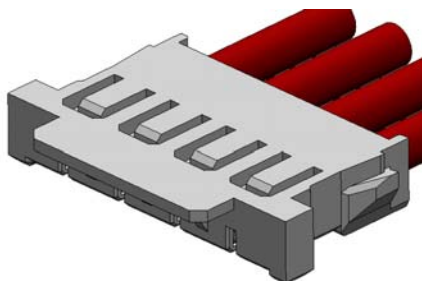
CONNECTOR

MB-0264-1

July 2013



**RoHS Compliant**



### Features

- Improved operability through upper-side mating. Easy to visually confirm the connector is mated.
- Original locking design structure (Spring Lock) achieves high retention strength in the cable lifting direction.  
Cable lifting-direction retention strength: 15N min.
- Improved contact reliability with a 2-point contact structure.
- 22AWG (outer cable diameter: 2.1mm max.) compatible with a low-profile structure (product height: 3mm).

### General Specifications

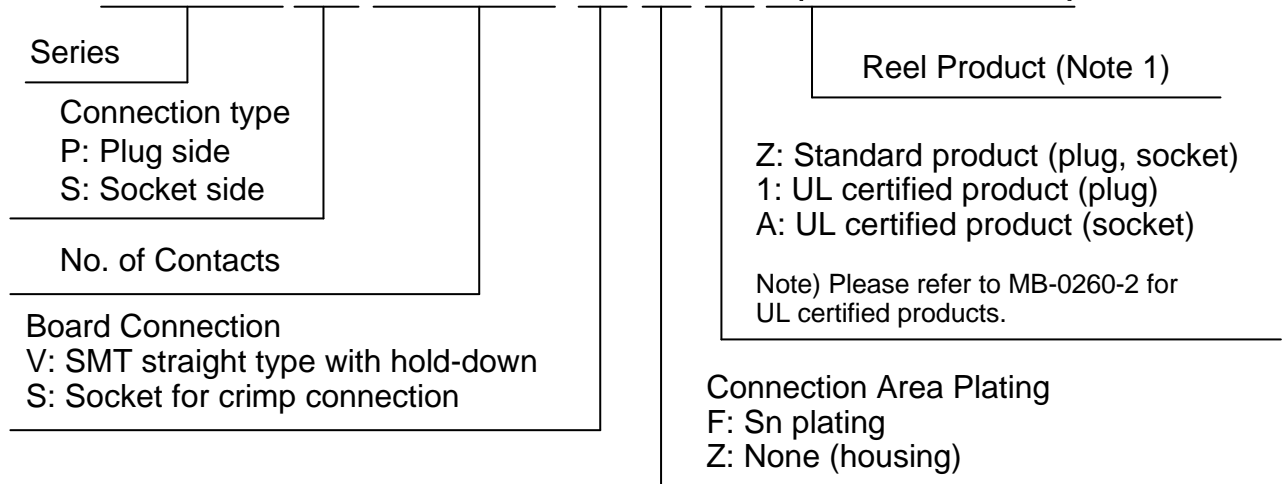
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|--|--|
| ■ No. of Contacts: 2, 4 positions  | ■ Retention Strength: 15N min.   |
| ■ Contact Resistance: 30m $\Omega$ max. (initial),<br>45m $\Omega$ max. (after test) | ■ Insulation Resistance: 10M $\Omega$ min.                             |
| ■ Voltage: AC/DC 300V  | ■ Mating Cycles: 10 times  |
| ■ Current: 4A per position (for 2-position)<br>3A per position (for 4-position)      | ■ Operating Temperature:<br>-40 Deg. C to +105 Deg. C                  |
|  | ■ Applicable Wire: 22 to 26AWG<br>(Outer cable diameter: 1.0 to 2.1mm) |

Materials and Finishes

Component	Item	Material and Finish
Plug (Board side)	Insulator	LCP resin
	Contact	Copper alloy / Sn plating
	Hold down	Copper alloy / Sn plating over Ni
Socket (Cable side)	Housing	Nylon resin
	Crimp contact	Copper alloy / Sn plating

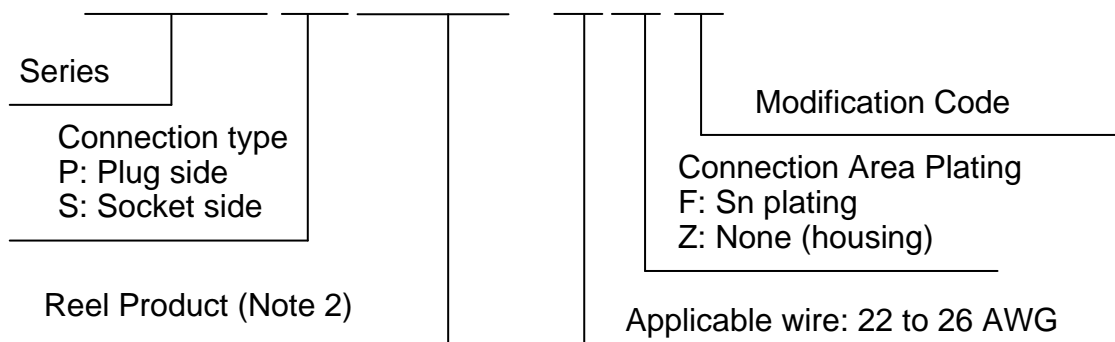
Ordering Information

**ES9 P 00 \* V F Z (R 1 6 0 0)**



Note 1: An embossed tape reel contains 1,600 pieces.

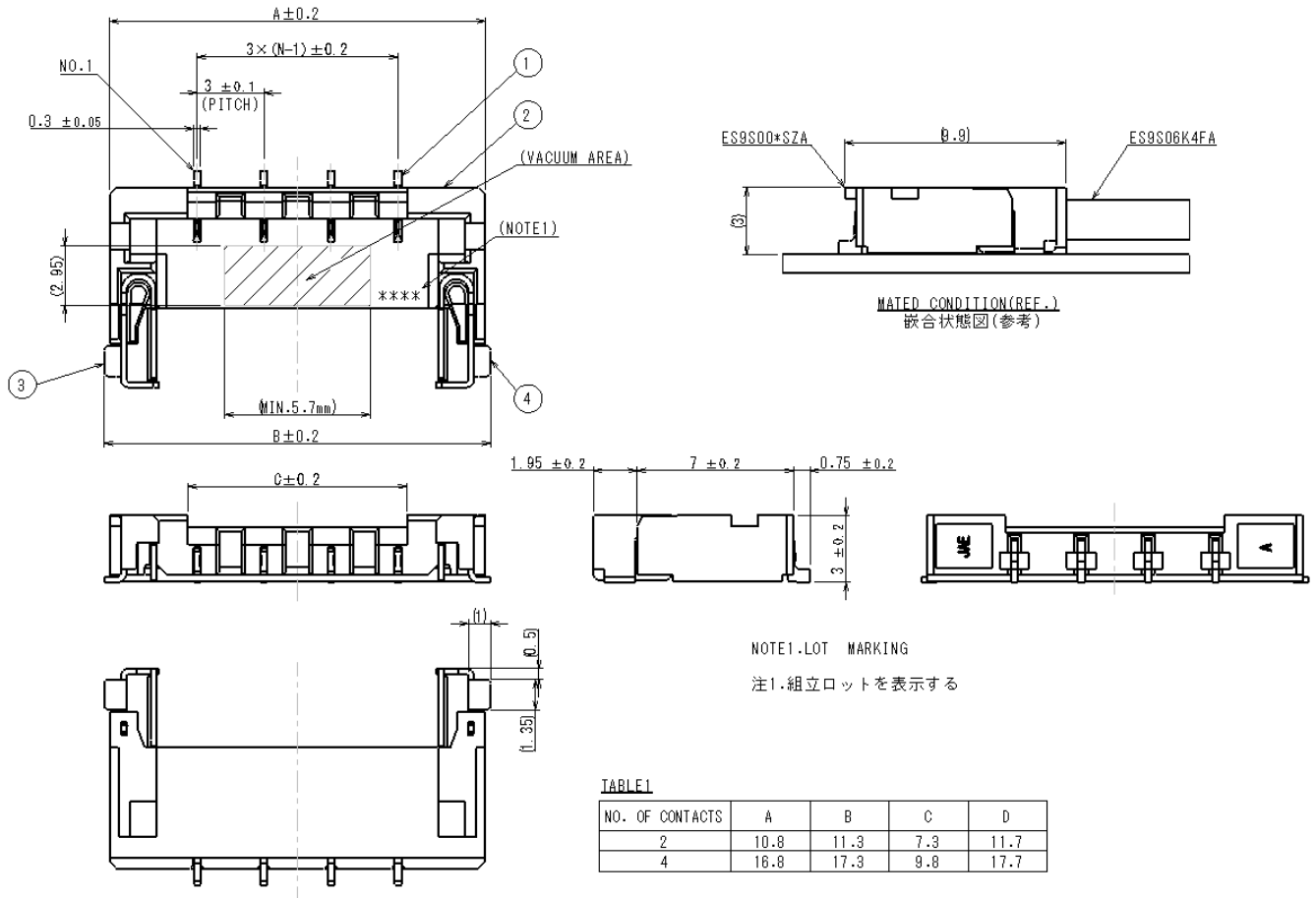
**ES9 S 06K 4 F A**



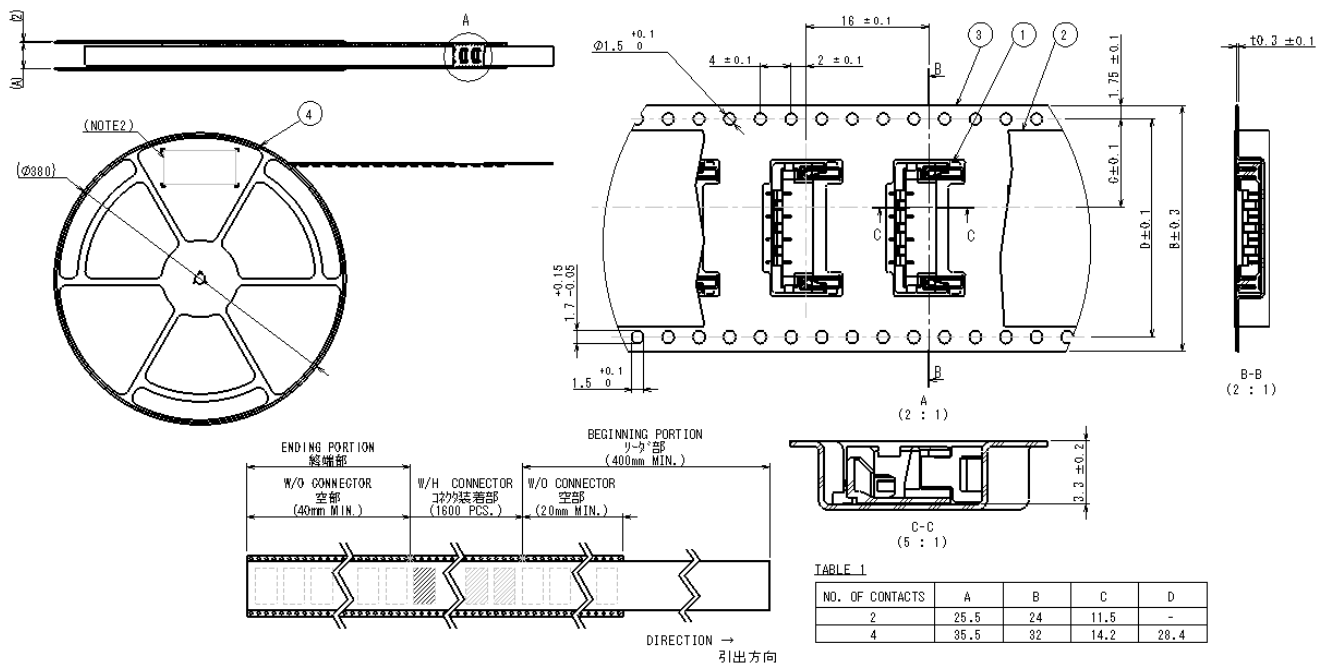
Note 2: A carrier tape reel contains 6,000 pieces.

Product Drawing

■ ES9P00\*VFZ

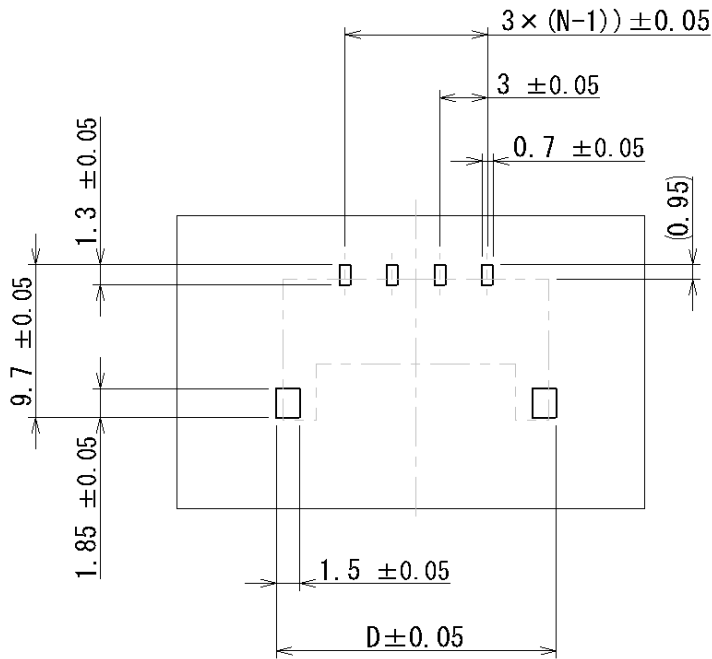


■ ES9P00\*VFZR1600





<Applicable Board Dimensions>



APPLICABLE P.C.B. DIMENSION (REF.)  
適合基板寸法 (参考)

Drawing Number

Part Number	Drawing No.
ES9P00*VFZ	SJ114446
ES9S00*VFZR1600	SJ114447
ES9S00*SZZ	SJ114448
ES9S06K4FA	SJ113516

Crimping Tool

Cable Size	Hand Tool	Semi-automatic Applicator
22 to 26AWG	CT150-4-ES9	3502-ES9-2

Technical Documents
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Specifications	JACS-11001
Handling Instructions	JAHL-11001

**Notice:**

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2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
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