



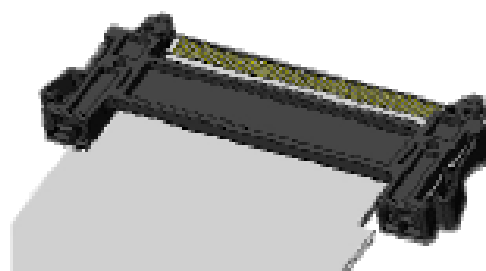
FFC Harness for High-speed Transmission

**JF08 Series**

CONNECTOR

MB-0251-1

October 2012

**RoHS Compliant**

Recently there has been increasing demand for high-speed and high-capacity transmission in devices as they become higher in performance. The JF08 Series connector harness is excellent at carrying high-speed serial transmission such as LVDS and PCI-Express, and it is also ideally suited for the next generation high-speed interface, V-by-One® HS.

\*V-by-One® HS is the trademark of THine Electronics, Inc.

**Features**

- Can mate with FI-R Series connectors
- Strong mechanical lock
- Easy operability with ample mating guides and large side lock buttons
- Ideally suited for the next generation high-speed transmission, V-by-One® HS
- FMI control with shield layer on the FFC and metal shell on the connector

**General Specification**

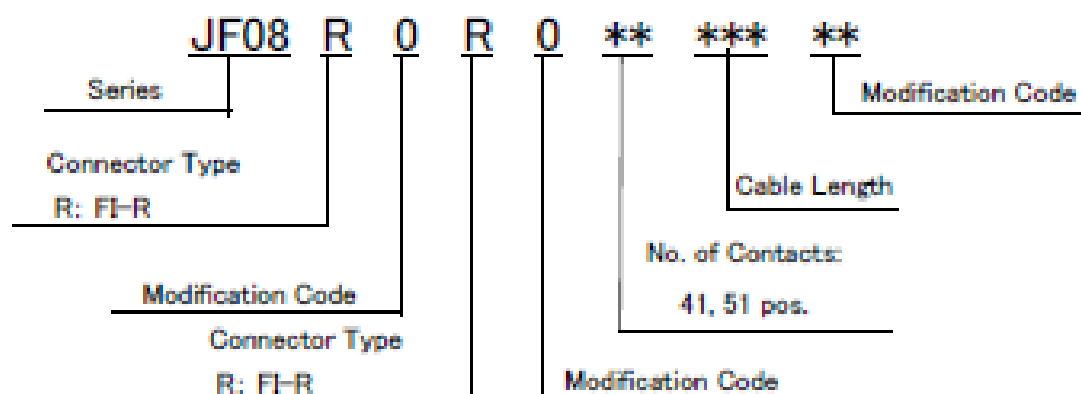
- Number of Contacts: 41, 51 positions
- Rated Current: AC, DC each 0.3 Amps/contact
- Contact Resistance: Maximum 40M ohm
- Insulation Resistance: Minimum of 100M ohm
- Dielectric Withstanding Voltage: AC250Vr.m.s per minute
- Pitch: 0.5mm
- Operating Temperature: -40°C ~ +80°C
- Impedance Connector: 100 ohm ± 15%  
FFC: 100 ohm ± 10%

## Materials and Finishes

| Component   | Material / Finishes                                                                                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FFC         | One-side shield FFC / Au plating<br><div style="border: 1px solid black; padding: 5px; display: inline-block;">           Signal wire: Copper<br/>           Shield: Aluminum / Copper<br/>           Insulation: PET         </div> |
| Shell       | Copper alloy/ Sn plating                                                                                                                                                                                                             |
| Insulator   | Heat resistant plastic / None                                                                                                                                                                                                        |
| Lock Spring | Stainless steel / None                                                                                                                                                                                                               |

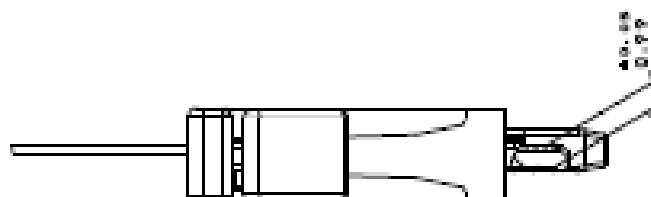
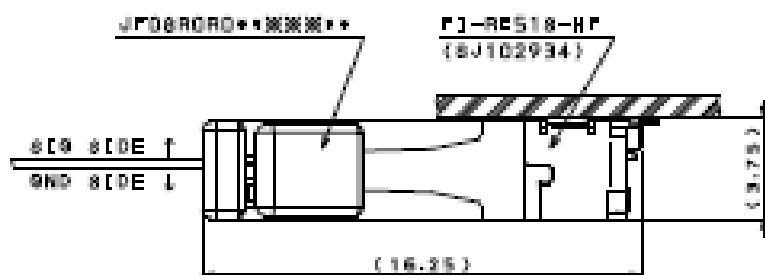
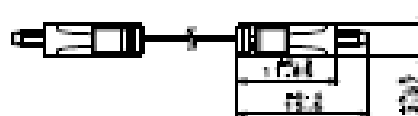
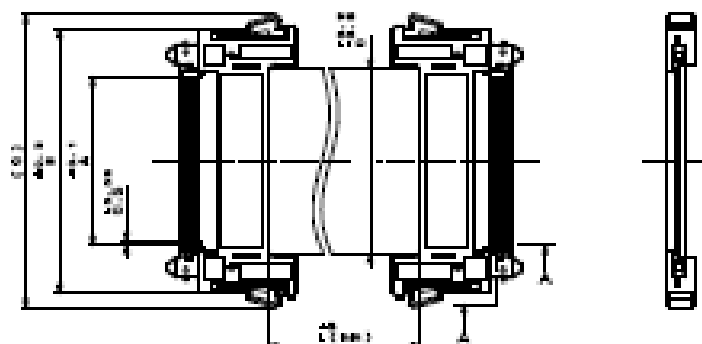
## Ordering Information

## \*FI-R Type



\*Connectors are not sold individually.

| Part Number     | SJ Drawing | Remarks                  |
|-----------------|------------|--------------------------|
| JF08R0R041***MA | SJ110607   | 41 pos / Aluminum Shield |
| JF08R0R051***MA | SJ110607   | 51 pos / Aluminum Shield |

Dimensions

Unit: mm

| No. of CONTACT | A <sup>+0.1</sup> | B <sup>+0.3</sup> | (C) | D <sup>+0.2<br/>-0.6</sup> |
|----------------|-------------------|-------------------|-----|----------------------------|
| 41             | 20                | 31.4              | 35  | 22.1                       |
| 51             | 25                | 36.4              | 40  | 27.1                       |

|                 |
|-----------------|
| Product Line-up |
|-----------------|

| No. of Contacts | FFC Length | Part Number     |
|-----------------|------------|-----------------|
| 41              | 10cm       | JF08R0R041010MA |
|                 | 20cm       | JF08R0R041020MA |
|                 | 30cm       | JF08R0R041030MA |
|                 | 40cm       | JF08R0R041040MA |
|                 | 50cm       | JF08R0R041050MA |
|                 | 80cm       | JF08R0R041080MA |
|                 | 100cm      | JF08R0R041100MA |

| No. of Contacts | FFC Length | Part Number     |
|-----------------|------------|-----------------|
| 51              | 10cm       | JF08R0R051010MA |
|                 | 20cm       | JF08R0R051020MA |
|                 | 30cm       | JF08R0R051030MA |
|                 | 40cm       | JF08R0R051040MA |
|                 | 50cm       | JF08R0R051050MA |
|                 | 80cm       | JF08R0R051080MA |
|                 | 100cm      | JF08R0R051100MA |

Note: Above shows the standard lengths.

Please contact us concerning lengths not listed.

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**Notice:** Products shown in this brochure are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support 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.

\* The specifications in this brochure are subject to change without notice. Please contact JAE for information.