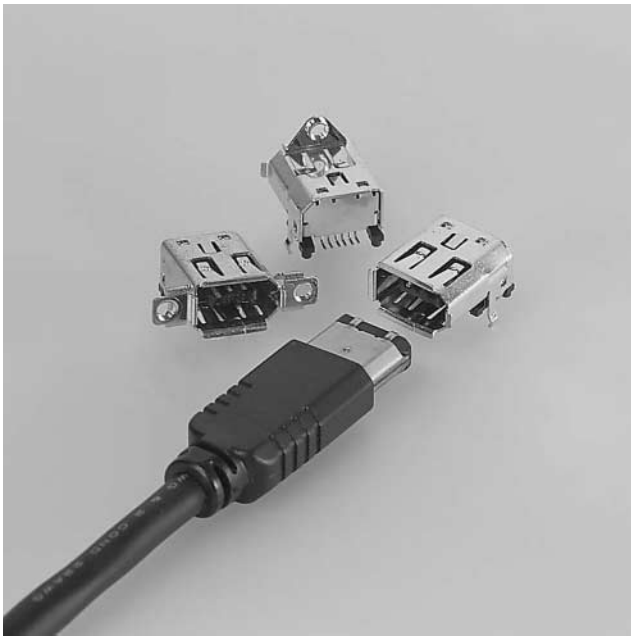
MV CONNECTOR

High-speed serial interface connectors



Conforming to the IEEE 1394-1995 standards, the MV connector is a high-speed serial interface connector designed to connect PCs and peripherals.

Features

• EMI shielding

Fully shielded receptacle and metal cover of the plug provides reliable EMI shielding.

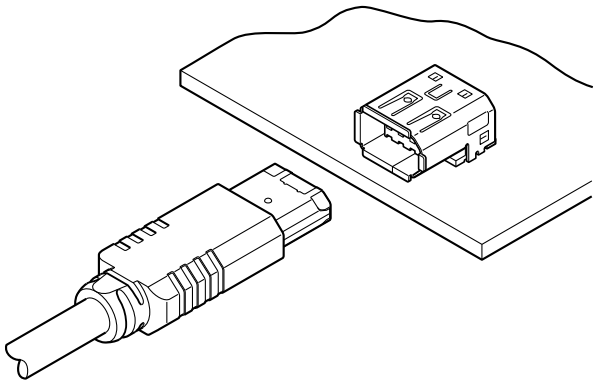
• Receptacles with flange

Receptacles with flange are available in two types, either with upper flange or with side flange. They are secured to the chassis of the equipment with screw(s).

• SMT configuration

All the receptacles (3 types in total) are of SMT configuration.

• The plug is designed to be overmolded.



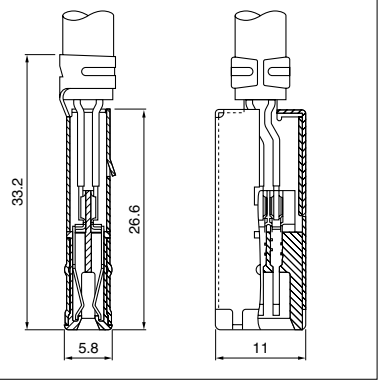
Specifications

- Current rating: Signal circuit: 1.0 A AC, DC/Line
  Power supply circuit: 3 A AC, DC/Line
- Voltage rating: 30 V AC, DC
- Temperature range: -40˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/30 mΩ max.
  After environmental tests/ 30 mΩ max.
  (variation from initial value)
- Insulation resistance: 100 MΩ min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire (Plug): Signal circuit/ AWG #28
  Power supply circuit/ AWG #22
- Applicable cable O.D. (Plug): 6.1 mm

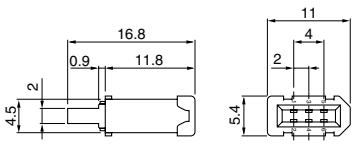
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.
* Compliant with RoHS.

Plug

Assembly



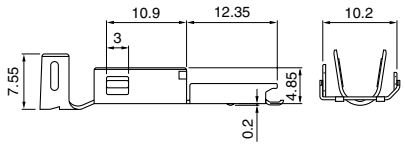
Housing (Contact inserted)



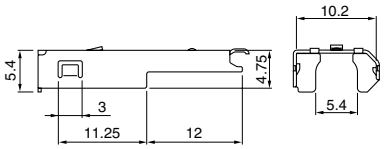
Model No.	Material and Finish
MV-PH6-D314	Contact: Copper alloy, Mating part; nickel-undercoated, gold-plated Solder tail; nickel-undercoated, tin-plated (reflow treatment) Housing: Heat resisting resin, UL94V-0

RoHS compliance *This product displays (LF)(SN) on a label.*

Metal cover A



Metal cover B

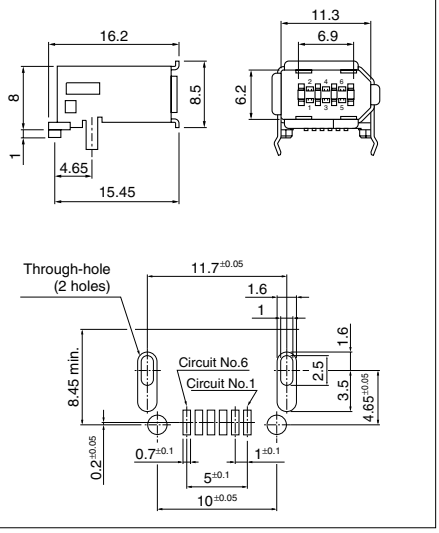


Metal cover	Model No.	Material and Finish
A	**MV-MC6A-7NK**	Stainless, nickel-plated
B	**MV-MC6B-7NK**	

RoHS compliance

Receptacle

Standard <SMT type>



Model No.	Material and Finish	
MV-6S-S50SSN-A31	Contact	Copper alloy, overall nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, copper-undercoated, nickel-undercoated, tin/nickel alloy-plated
	Rear cover	Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance
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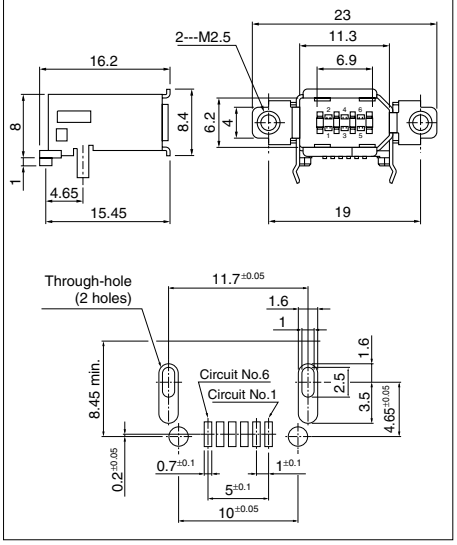
With side flange <SMT type>



Model No.	Material and Finish	
MV-6S-S50SSN-B31	Contact	Copper alloy, overall nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, copper-undercoated, nickel-undercoated, tin/nickel alloy-plated
	Rear cover	Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance
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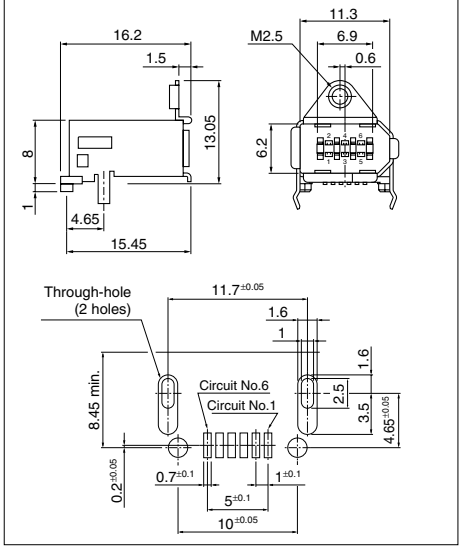
With upper flange <SMT type>



Model No.	Material and Finish	
MV-6S-S50SSN-C31	Contact	Copper alloy, overall nickel-undercoated, Mating part; gold-plated Solder tail; tin-plated (reflow treatment)
	Housing	Glass-filled PPS, UL94V-0
	Shell	Copper alloy, copper-undercoated, nickel-undercoated, tin/nickel alloy-plated
	Rear cover	Copper alloy, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance
This product displays (LF)(SN) on a label.