

## RCJ9FA

3 pole XLR female receptacle with 1/4" switching stereo jack



## Article Variations

| Article Name | Details                                   | Packaging |
|--------------|-------------------------------------------|-----------|
| RCJ9FA-H     | Horizontal PCB contacts, locking latch    | BULK      |
| RCJ9FA-H-0   | Horizontal PCB contacts, retention spring | BULK      |
| RCJ9FA-V     | Vertical PCB contacts, locking latch      | BULK      |
| RCJ9FA-V-0   | Vertical PCB contacts, retention spring   | BULK      |

## Technical Information

### Product

|                        |                 |
|------------------------|-----------------|
| <b>Title</b>           | RCJ9FA          |
| <b>Connection Type</b> | XLR/Jacks Combo |

### Electrical

|                                               |                            |
|-----------------------------------------------|----------------------------|
| <b>Contact resistance - XLR</b>               | $\leq 15 \text{ m}\Omega$  |
| <b>Contact resistance - 1/4" Jack</b>         | $\leq 25 \text{ m}\Omega$  |
| <b>Dielectric strength</b>                    | 1500 V dc                  |
| <b>Insulation resistance - initial</b>        | $\geq 0.5 \text{ G}\Omega$ |
| <b>Insulation resistance -after damp heat</b> | $\geq 0.2 \text{ G}\Omega$ |
| <b>Rated current per Contact - XLR</b>        | 3 A                        |
| <b>Rated current per Contact - 1/4" Jack</b>  | 3 A                        |
| <b>Rated voltage</b>                          | 50 V ac                    |

### Mechanical

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| <b>Lifetime</b>           | > 1'000 mating cycles                                                              |
| <b>Insertion force</b>    | $\leq 20 \text{ N}$                                                                |
| <b>Withdrawal force</b>   | $\leq 20 \text{ N}$                                                                |
| <b>Panel thickness</b>    | max. 3 mm (0.12")                                                                  |
| <b>Wiring</b>             | PCB mount                                                                          |
| <b>Locking device</b>     | Latch lock                                                                         |
| <b>Mounting direction</b> | Rear mounting                                                                      |
| <b>Mounting screw</b>     | Self-tapping Plastite® screw with thread 2.9 x 1.06 and tri-rondular configuration |

## Material

|                                    |                         |
|------------------------------------|-------------------------|
| <b>Shell</b>                       | PA 6.6 30% GR           |
| <b>Contacts</b>                    | CuSn6                   |
| <b>Contact plating - XLR</b>       | Au / Ag (G, TN, RN, SN) |
| <b>Contact plating - 1/4" Jack</b> | Au (TRS)                |
| <b>Locking latch</b>               | CK 65Mn steel           |

## Environmental

|                              |                                   |
|------------------------------|-----------------------------------|
| <b>Flammability</b>          | UL 94 V0                          |
| <b>Operating temperature</b> | -20°C to +70°C                    |
| <b>Solderability</b>         | complies with IEC68-2-20          |
| <b>Environmental</b>         | complies with EU RoHS 2 and REACH |

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