



## NC3FAHR1-0

3 pole female XLR receptacle, grounding: mating connector shell to pin1 and front panel, lateral right PCB mount, Retention spring instead of latch

The 'State of the Art' receptacle. Round plastic body XLR PCB mount panel connector. These have the smallest size and highest packing density (23 mm between centres). New designed tulip type contacts with hard gold plating and polished contact areas. UL recognized component.

### Features & Benefits

- Smallest XLR receptacles, highest packing density
- Tulip type female contact
- Housing flammability UL94V-0
- Plastic housing, steel retention spring
- Polished contact areas and hard gold plating

Technical Information

| Product         |            |
|-----------------|------------|
| Title           | NC3FAHR1-0 |
| Connection Type | XLR        |
| Gender          | female     |

| Electrical                   |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Capacitance between contacts | ≤ 4 pF                                                                                |
| Contact resistance           | ≤ 6 mΩ                                                                                |
| Dielectric strength          | 1,5 kVdc                                                                              |
| Insulation resistance        | > 10 GΩ (initial)                                                                     |
| Rated current per contact    | 6 A                                                                                   |
| Rated voltage                | < 50 V                                                                                |
| Grounding Options            | Pin 1 connected direct to front panel and connector shell, no separate ground contact |

| Mechanical         |                         |
|--------------------|-------------------------|
| Insertion force    | ≤ 20 N                  |
| Withdrawal force   | ≤ 20 N                  |
| Lifetime           | > 1000 mating cycles    |
| Locking force      | > 20 separating force N |
| Wiresize           |                         |
| Wiring             | Lateral right PCB mount |
| Locking device     | Retention spring        |
| Mounting direction | Rear mounting           |
| Chassis shape      | A                       |
| Mounting           | A-Screw                 |

| Material        |                            |
|-----------------|----------------------------|
| Contacts        | Bronze (CuSn6)             |
| Insert          | Polyamide (PA 6.6 30 % GR) |
| Locking element | Steel Ck67                 |

| Environmental       |                           |
|---------------------|---------------------------|
| Approvals           | UL                        |
| Flammability        | UL 94 V-0                 |
| Standard compliance | IEC 61076-2-103           |
| Protection class    | IP 40                     |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -30 °C to +80 °C          |