



# NC3FAH1

3 pole female XLR receptacle, grounding: mating connector shell to pin1 and front panel, horizontal PCB mount

The `State of the Art` receptacle. Round plastic body XLR PCB mount panel connector. These have the smallest size and highest packing density (23mm 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
- ✓ Plastic housing, steel latch lock
- ✓ Tulip type female contact
- ✓ Polished contact areas and hard gold plating
- ✓ Housing flammability UL94 V-0

## Technical Information

| Product         |         |
|-----------------|---------|
| Title           | NC3FAH1 |
| Connection Type | XLR     |
| Gender          | female  |

| Electrical                   |                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------|
| Capacitance between contacts | $\leq 4 \text{ pF}$                                                                   |
| Contact resistance           | $\leq 6 \text{ m}\Omega$                                                              |
| Dielectric strength          | 1,5 kVdc                                                                              |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial)                                                      |
| Rated current per contact    | 6 A                                                                                   |
| Rated voltage                | $< 50 \text{ V}$                                                                      |
| Grounding Options            | Pin 1 connected direct to front panel and connector shell, no separate ground contact |

| Mechanical         |                        |
|--------------------|------------------------|
| Insertion force    | $\leq 20 \text{ N}$    |
| Withdrawal force   | $\leq 20 \text{ N}$    |
| Lifetime           | $> 1000$ mating cycles |
| Wiresize           |                        |
| Wiring             | Horizontal PCB mount   |
| Locking device     | Latch lock             |
| Mounting direction | Rear mounting          |
| Chassis shape      | A                      |
| Mounting           | A-Screw                |

| Material                |                    |
|-------------------------|--------------------|
| Contacts                | Bronze (CuSn6)     |
| Insert                  | Polyamide (PA 6.6) |
| Locking element         | Steel Ck67         |
| Locking element plating | Nickel             |

| 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          |