



# NC3FBH1

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

Same as A series with exception of a metal mounting flange featuring continuous circumferential ground contact to chassis for best EMC practice. UL recognized component.

## Features & Benefits

- ✓ Smallest XLR receptacles, highest packing density
- ✓ Metal mounting flange featuring continuous circumferential ground contact to chassis for best EMC and RF protection
- ✓ Tulip type female contact
- ✓ Housing flammability UL94V-0

## Technical Information

| Product         |         |
|-----------------|---------|
| Title           | NC3FBH1 |
| 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      | B                      |
| Mounting           | B-Screw                |

| Material                |                            |
|-------------------------|----------------------------|
| Contacts                | Bronze (CuSn6)             |
| Insert                  | Polyamide (PA 6.6 30 % GR) |
| Locking element         | Steel Ck67                 |
| Locking element plating | Nickel                     |
| Ring                    | Zinc diecast (ZnAl4Cu1)    |
| Flange                  | Metal                      |

| 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          |