



## NC3MBH

3 pole male XLR receptacle, grounding: separate ground contact to mating connector shell and front panel, steel retention lug, 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
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- Housing flammability UL94V-0

## Technical Information

| Product         |        |
|-----------------|--------|
| Title           | NC3MBH |
| Connection Type | XLR    |
| Gender          | male   |

| 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            | yes , separate ground contact connected to mating connector shell and front panel, no connection to Pin 1 |

| Mechanical         |                      |
|--------------------|----------------------|
| Insertion force    | ≤ 20 N               |
| Withdrawal force   | ≤ 20 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        |                                      |
|-----------------|--------------------------------------|
| Contact plating | 0.2 μm AuCo over 2μm NiP15 (Tribor®) |
| Contacts        | Brass (CuZn35Pb2)                    |
| Insert          | Polyamide (PA 6.6 30 % GR)           |
| Locking element | Ck 67 steel, treated                 |
| Ring            | Zinc diecast (ZnAl4Cu1), gal Ni      |

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