



# NC5MBH

PHASE OUT

direct replacement / successor: [NC5MBH1](#)

5 pole male XLR receptacle, grounding: separate ground contact to mating connector shell 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.

## Features & Benefits

- ✓ Smallest XLR receptacles, highest packing density
- ✓ Metal mounting flange featuring continuous circumferential ground contact to chassis for best EMC and RF protection
- ✓ Housing flammability UL 94 V-0

## Technical Information

| Product         |        |
|-----------------|--------|
| Title           | NC5MBH |
| Connection Type | XLR    |
| Gender          | male   |

| Electrical                   |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Capacitance between contacts | $\leq 7 \text{ pF}$                                                                                 |
| Contact resistance           | $\leq 6 \text{ m}\Omega$                                                                            |
| Dielectric strength          | 1,5 kVdc                                                                                            |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial)                                                                    |
| Rated current per contact    | 3 A                                                                                                 |
| Rated voltage                | $< 50 \text{ V}$                                                                                    |
| Grounding Options            | Separate ground contact connected to mating connector shell and front panel, no connection to Pin 1 |

| 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           | A-Screw                |

| Material        |                         |
|-----------------|-------------------------|
| Contacts        | Brass (CuZn35Pb2)       |
| Insert          | Polyamide (PA66)        |
| Locking element | Steel Ck67              |
| Ring            | Zinc diecast (ZnAl4Cu1) |
| Flange          | Nickel                  |

| Environmental       |                           |
|---------------------|---------------------------|
| 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          |