



## NC5MBV

5 pole male XLR receptacle, grounding: separate ground contact to mating connector shell and front panel, vertical 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
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- Housing flammability UL 94 V-0

## Technical Information

| Product                |        |
|------------------------|--------|
| <b>Title</b>           | NC5MBV |
| <b>Connection Type</b> | XLR    |
| <b>Gender</b>          | male   |

| Electrical                          |   |
|-------------------------------------|---|
| <b>Capacitance between contacts</b> | $\leq 7 \text{ pF}$   |
| <b>Contact resistance</b>           | $\leq 6 \text{ m}\Omega$  |
| <b>Dielectric strength</b>          | 1,5 kVdc  |
| <b>Insulation resistance</b>        | $> 10 \text{ G}\Omega$ (initial)  |
| <b>Rated current per contact</b>    | 3 A   |
| <b>Rated voltage</b>                | $< 50 \text{ V}$  |
| <b>Grounding Options</b>            | 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             | vertical 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          |