



# NC5FDM3-H-1

5 pole female receptacle, horizontal PCB mount, nickel housing, silver contacts, M3 mounting holes

Features a compact all metal housing with an ingenious duplex ground contact, which offers an excellent RF protection and shielding.

Insert is NOT removable from shell.

## Features & Benefits

- ✓ The all metal housing offers the best RF protection and an electromagnetic shielding.
- ✓ Duplex ground contact for an excellent contact integrity between chassis and cable connector
- ✓ Optional connection to easily join pin1 to chassis ground
- ✓ D-style housing provides installation compatibility with industry standard D mounting dimensions
- ✓ Insert is NOT removable from shell.
- ✓ PCB mount termination

## Technical Information

| Product         |             |
|-----------------|-------------|
| Title           | NC5FDM3-H-1 |
| Connection Type | XLR         |
| Gender          | female      |

| Electrical                   |                                  |
|------------------------------|----------------------------------|
| Capacitance between contacts | $\leq 7 \text{ pF}$              |
| Contact resistance           | $\leq 5 \text{ m}\Omega$         |
| Dielectric strength          | 1.5 kVdc                         |
| Insulation resistance        | $> 10 \text{ G}\Omega$ (initial) |
| Rated current per contact    | 7.5 A                            |
| Rated voltage                | $< 50 \text{ V}$                 |

| Mechanical         |                                |
|--------------------|--------------------------------|
| Insertion force    | $\leq 20 \text{ N}$            |
| Withdrawal force   | $\leq 20 \text{ N}$            |
| Lifetime           | $> 1000$ mating cycles         |
| Wiring             | Horizontal PCB mount           |
| Locking device     | Latch lock                     |
| Mounting direction | Rear mounting                  |
| Chassis shape      | D                              |
| Mounting           | Mounting holes with M3 threads |

| Material                |                            |
|-------------------------|----------------------------|
| Contact plating         | Ag                         |
| Contacts                | Brass (CuZn39Pb3)          |
| Insert                  | Polyamide (PA 6.6 30 % GR) |
| Locking element         | Steel Ck67                 |
| Locking element plating | Nickel                     |
| Shell                   | Zinc diecast (ZnAl4Cu1)    |
| Shell plating           | Nickel                     |

| Environmental     |                  |
|-------------------|------------------|
| Flammability      | UL 94 V0         |
| Temperature range | -30 °C to +80 °C |