



## NC5FD-LX-M3

5 pole female receptacle, solder cups, Nickel housing, silver contacts, M3 mounting holes

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

### Features & Benefits

- All metal housing offers best overall RF protection and electromagnetic shielding
- Duplex ground contact for excellent contact integrity between chassis and cable connector
- Female contact incorporates a solder barrier to prevent solder running into the contact mating area
- Larger solder contacts for easier termination
- Optional connection to easily join pin1 to chassis ground
- D-style housing provides installation compatibility with industry standard D mounting dimensions

## Technical Information

| Product         |             |
|-----------------|-------------|
| Title           | NC5FD-LX-M3 |
| 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         |
| Wiresize           | max. $1.0 \text{ mm}^2$        |
| Wiresize           | max. 18 AWG                    |
| Wiring             | Solder contacts                |
| Locking device     | Latch lock                     |
| Mounting direction | Rear mounting                  |
| Chassis shape      | D                              |
| Mounting           | Mounting holes with M3 threads |

| Material        |                         |
|-----------------|-------------------------|
| Contact plating | 2 µm Ag                 |
| Contacts        | Brass (CuZn39Pb3)       |
| Insert          | PA66                    |
| Locking element | Steel Ck67              |
| Shell           | Zinc diecast (ZnAl4Cu1) |
| Shell plating   | 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          |