



# NC4FD-LX-B

4 pole female receptacle, solder cups, black metal housing, gold contacts

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           | NC4FD-LX-B |
| 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    | 10 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. $1.5 \text{ mm}^2$ |
| Wiresize         | max. 16 AWG             |
| Wiring           | Solder contacts         |
| Locking device   | Latch lock              |
| Chassis shape    | D                       |

| Material                |                         |
|-------------------------|-------------------------|
| Contact plating         | 2 µm Au over 2 µm Ni    |
| Contacts                | Brass (CuZn39Pb3)       |
| Insert                  | PA66                    |
| Locking element         | Steel Ck67              |
| Locking element plating | Nickel                  |
| Shell                   | Zinc diecast (ZnAl4Cu1) |
| Shell coating           | Black KTL               |

| 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          |