



## NC5FD-LX

5 pole female receptacle, solder cups, Nickel housing, silver 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
- Female contact incorporates a solder barrier to prevent solder running into the contact mating area
- Optional connection to easily join pin1 to chassis ground
- Duplex ground contact for excellent contact integrity between chassis and cable connector
- Larger solder contacts for easier termination
- D-style housing provides installation compatibility with industry standard D mounting dimensions

## Technical Information

| Product         |          |
|-----------------|----------|
| Title           | NC5FD-LX |
| 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              |
| Chassis shape    | D                       |

| Material        |  |
|-----------------|--|
| Contact plating | $2 \text{ }\mu\text{m}$ Ag over $2 \text{ }\mu\text{m}$ Ni |
| Contacts        | Brass (CuZn39Pb3)  |
| Insert          | PA66   |
| Locking element | Steel Ck67   |
| Shell           | Zinc diecast (ZnAl4Cu1)                                    |
| Shell plating   | Nickel   |

**Environmental**

|                            |                           |
|----------------------------|---------------------------|
| <b>Flammability</b>        | UL 94 V-0                 |
| <b>Standard compliance</b> | IEC 61076-2-103           |
| <b>Protection class</b>    | IP 40                     |
| <b>Solderability</b>       | Complies with IEC 68-2-20 |
| <b>Temperature range</b>   | -30 °C to +80 °C          |