



## NC3FD-LX-HE

3 pole female receptacle, solder cups, velour-chromium housing, machined gold contacts

Exclusive version of standard DLX Series. Valuable velour chromium plating. Extra high temperature resistant insulator material.

### Features & Benefits

- Extra high temperature resistant insulator material
- Machined female contacts
- 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 pin 1 to chassis ground
- Flammability UL94V-0
- Valuable velour chromium plating of shell
- New 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	
<b>Title</b>	NC3FD-LX-HE
<b>Connection Type</b>	XLR
<b>Gender</b>	female

Electrical	
<b>Capacitance between contacts</b>	≤ 4 pF
<b>Contact resistance</b>	≤ 5 mΩ
<b>Dielectric strength</b>	1,5 kVdc
<b>Insulation resistance</b>	> 10 GΩ (initial)
<b>Rated current per contact</b>	16 A
<b>Rated voltage</b>	< 50 V

Mechanical	
<b>Insertion force</b>	≤ 20 N
<b>Withdrawal force</b>	≤ 20 N
<b>Lifetime</b>	> 1000 mating cycles
<b>Wiresize</b>	max. 2.5 mm <sup>2</sup>
<b>Wiresize</b>	max. 14 AWG
<b>Wiring</b>	Solder contacts
<b>Locking device</b>	Latch lock
<b>Chassis shape</b>	D

Material	
<b>Contact plating</b>	0.2 μm Au hard alloy over 2 μm Ni
<b>Contacts</b>	Brass (CuZn35Pb2)
<b>Insert</b>	Polyphenylene Sulfide (PPS 40% GR)
<b>Locking element</b>	Steel Ck67
<b>Shell</b>	Zinc diecast (ZnAl4Cu1)
<b>Shell plating</b>	Velour Chromium

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