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# NC6FD-L-B-1

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

Universal D-size metal body XLR panel mount series. UL recognized component.

## Features & Benefits

- Robust "D" metal shell
- Solder cups on 3 - 7 pole version
- Standardized D sized 24 mm panel cutout


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# Technical Information

| Product | |
|---|---|
| **Title** | NC6FD-L-B-1 |
| **Connection Type** | XLR |
| **Gender** | female |

| Electrical | |
|---|---|
| **Capacitance between contacts** | ≤ 7 pF |
| **Contact resistance** | ≤ 5 mΩ |
| **Dielectric strength** | 1,5 kVdc |
| **Insulation resistance** | > 10 GΩ (initial) |
| **Rated current per contact** | 7,5 A |
| **Rated voltage** | < 50 V |

| Mechanical | |
|---|---|
| **Insertion force** | ≤ 20 N |
| **Withdrawal force** | ≤ 20 N |
| **Lifetime** | > 1000 mating cycles |
| **Wiresize** | max. 1.0 mm² |
| **Wiresize** | max. 18 AWG |
| **Wiring** | Solder contacts |
| **Locking device** | Latch lock |
| **Chassis shape** | D |


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## Material

| | |
|---|---|
| **Contact plating** | 0.2 µm Au hard alloy over 2 µm Ni |
| **Contacts** | Brass (CuZn39Pb3) |
| **Insert** | Polyamide (PA 6.6 30 % GR) |
| **Locking element** | Steel Ck67 |
| **Shell** | Zinc diecast (ZnAl4Cu1) |
| **Shell coating** | Black KTL |

## Environmental

| | |
|---|---|
| **Approvals** | UL |
| **Flammability** | UL 94 HB |
| **Standard compliance** | IEC 61076-2-103 |
| **Protection class** | IP 40 |
| **Solderability** | Complies with IEC 68-2-20 |
| **Temperature range** | -30 °C to +80 °C |


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