



## NC6FSP-1

6 pole female receptacle, solder contacts, Nickel housing, silver contacts. Equivalent to switchcraft pin layout.

Smallest available traditional style metal panel mount connector with large solder cups for ease hard wiring.

## Features & Benefits

- ✓ Smallest available hard wiring receptacles with large solder cups
- ✓ Short female receptacle
- ✓ Compatible with switchcraft contact arrangement

## Technical Information

| Product         |          |
|-----------------|----------|
| Title           | NC6FSP-1 |
| 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        | $> 2 \text{ G}\Omega$ (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 | Front mounting              |
| Chassis shape      | P                           |
| Equivalent         | Switchcraft pin arrangement |

| Material                |                            |
|-------------------------|----------------------------|
| Contact plating         | 2 µm Ag over 2 µm Ni       |
| Contacts                | Brass (CuZn39Pb3)          |
| Insert                  | Polyamide (PA 6.6 30 % GR) |
| Locking element         | Steel Ck67                 |
| Locking element plating | Nickel                     |
| Shell                   | Zinc diecast (ZnAl4Cu1)    |
| Shell plating           | Nickel                     |

| Environmental       |                           |
|---------------------|---------------------------|
| 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          |