



NP3F-V

*** DISCONTINUED ***

Direct replacement / successor: NP3F-H

3 pole female chassis connector, vertical PCB mount

The nanoCON is the smallest lockable 3 pole connector in the world. It offers a robust metal housing, a metal locking device, gold plated contacts and excellent cable retention.

Features & Benefits

- World's smallest circular lockable multipole connector
- Robust metal housing with gold plated contacts
- Reliable and versatile in applications like medical equipment, control systems, sensors or audio applications such as miniature and wireless microphones and portable mixers
- Pre-mating contact 1

Technical Information

| Product | |
|-----------------|---------|
| Title | NP3F-V |
| Connection Type | nanoCON |
| Gender | female |

| Electrical | |
|---------------------------|--|
| Contact resistance | $\leq 12 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | $> 1 \text{ G}\Omega$ (after damp heat test IEC 68-2-30) |
| Rated current per contact | 2 A |
| Rated voltage | $< 50 \text{ V}$ |

| Mechanical | |
|--------------------|--|
| Lifetime | 500 mating cycles |
| Wiresize | 0.2 mm ² / 0.14 mm ² (solid / stranded wire) |
| Wiresize | 24 AWG / 26 AWG |
| Wiring | vertical PCB mount |
| Locking device | Latch lock |
| Mounting direction | Rear mounting |
| Chassis shape | 7 mm |

| Material | |
|-----------------|-------------------|
| Contact plating | 0.5 µm Au |
| Contacts | Brass (CuZn35Pb2) |
| Insert | PETP |
| Shell | Brass (CuZn39Pb2) |

| Environmental | |
|-------------------|---------------------------|
| Flammability | UL 94 V-0 |
| Protection class | IP 40 |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |