



THE DATASHEET OF NP3F-H





NP3F-H

3 pole female chassis connector, horizontal 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-H
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
Wire size	$0.2 \text{ mm}^2 / 0.14 \text{ mm}^2$ (solid / stranded wire)
Wire size	24 AWG / 26 AWG
Wiring	Horizontal PCB mount
Locking device	Latch lock
Mounting direction	Rear mounting
Chassis shape	7 mm


Material

Contact plating	$0.5 \text{ }\mu\text{m Au}$
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

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