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NR3M-S

3 pole male chassis connector panel mount, solder contacts

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.



Downloads

-  [Assembly Instruction - nanoCON Chassis Connectors](#)
-  [Product Guide 2013, 07 Circular Connectors](#)
-  [Drawing NR3M-S](#)

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 [hide](#)

Product	
Title	NR3M-S
Connection Type	nanoCON
Gender	male
Electrical	
Contact resistance	≤ 12 mΩ (inner)
Dielectric strength	1 kVdc
Insulation resistance	> 1 GΩ (after damp heat test IEC 68-2-30)
Rated current per contact	2 A
Rated voltage	50 V
Mechanical	
Cable retention	> 20 N
Insertion force	< 15 N
Lifetime	500 mating cycles
Wiresize	0.2 mm² / 0.14 mm² (solid / stranded wire)
Wiresize	24 AWG / 26 AWG
Locking device	Latch lock
Mounting direction	front

Chassis shape	9 mm
Material	
Contact plating	0.5 µm Au
Contacts	Brass (CuZn35Pb2)
Insert	PETP
Shell	Brass (CuZn39Pb2)
Environmental	
Temperature range	-30 °C to +80 °C

