



# NC5FDM3-H-1

5 pole female receptacle, horizontal PCB mount, nickel housing, silver contacts, M3 mounting holes

Features a compact all metal housing with an ingenious duplex ground contact, which offers an excellent RF protection and shielding.

Insert is NOT removable from shell.

## Features & Benefits

- ✓ The all metal housing offers the best RF protection and an electromagnetic shielding.
- ✓ Duplex ground contact for an excellent contact integrity between chassis and cable connector
- ✓ Optional connection to easily join pin1 to chassis ground
- ✓ D-style housing provides installation compatibility with industry standard D mounting dimensions
- ✓ Insert is NOT removable from shell.
- ✓ PCB mount termination

## Technical Information

Product	
Title	NC5FDM3-H-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	$> 10 \text{ G}\Omega$ (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
Wiring	Horizontal PCB mount
Locking device	Latch lock
Mounting direction	Rear mounting
Chassis shape	D
Mounting	Mounting holes with M3 threads

Material	
Contact plating	Ag
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 V0
Temperature range	-30 °C to +80 °C