



THE DATASHEET OF NC3FAAV1





NC3FAAV1

3 pole female XLR receptacle, grounding: mating connector shell to pin1 and front panel, vertical PCB mount

Most cost-effective round plastic body XLR PCB mount panel connector. Front panel cutout and PCB layout 100% compatible to A series. "Tulip" type contact design with high contact pressure for highest durability. Push latch assembled. Flammability rating UL94HB. UL recognized component.

Features & Benefits

- ✓ Most cost-effective series
- ✓ "Tulip" type contact design with high contact pressure for highest durability
- ✓ Selective gold plated contact and PCB termination area for best conductivity and solderability

Technical Information

Product	
Title	NC3FAAV1
Connection Type	XLR
Gender	female

Electrical	
Capacitance between contacts	$\leq 4 \text{ pF}$
Contact resistance	$\leq 6 \text{ m}\Omega$
Dielectric strength	1,5 kVdc
Insulation resistance	$> 10 \text{ G}\Omega$ (initial)
Rated current per contact	6 A
Rated voltage	$< 50 \text{ V}$
Grounding Options	Pin 1 connected direct to front panel and connector shell, no separate ground contact

Mechanical	
Insertion force	$\leq 20 \text{ N}$
Withdrawal force	$\leq 20 \text{ N}$
Lifetime	> 1000 mating cycles
Wiresize	
Wiring	vertical PCB mount
Locking device	Latch lock
Mounting direction	Rear mounting
Chassis shape	A
Mounting	A-Screw

Material	
Contacts	Bronze (CuSn6)
Locking element	Steel Ck67
Locking element plating	Nickel
Shell	Polyamide (PA 6.6 30 % GR)

Environmental	
Approvals	UL
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

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