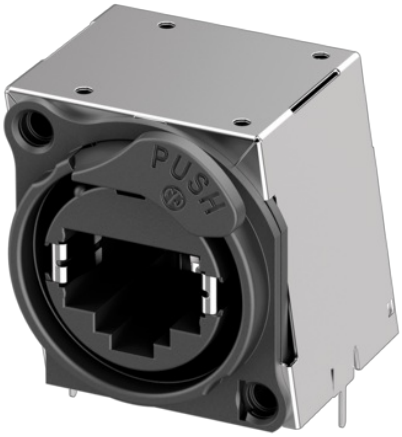
NE8FAH-S-AE



Fully shielded, horizontal PCB mount RJ45 receptacle, B-series cutout with latch lock, max. panel thickness 3 mm. The "Shielded etherCON" offers a closed metal housing to avoid EMI or cross talking.

The etherCON Series is a ruggedized and lockable RJ45 connector system, optimized for pro audio, video and lightning network applications. The chassis connectors are shaped to fit into standardized panels out of the entertainment industry.

The all plastic A-Series offers the most space saving and cost effective design.

Attention! Does not intermate with CAT6 cable connector NE8MC6-MO and NKE6S* cables.

Features & Benefits

- Accommodates rugged etherCON NE8MX* or any standard RJ45 plug
- Approved latch lock system
- Comprehensive shielding granted by completely closed metal housing
- Improves EMC performance of appliance even in unmated condition
- Connector is fixed onto PCB due to soldered connector housing
- Ground panel connection
- Complies with Class D according to TIA / EIA 568B and ISO / IEC 11801 standard
- Compound material of push tab improves ESD protection

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Technical Information

Product	
Title	NE8FAH-S-AE
Type	Chassis
Connection Type	etherCON
Gender	Female

Electrical	
Contact resistance	< 50 mΩ
Dielectric strength	1 kV DC
Frequency range	1 – 100 MHz
Insulation resistance	> 0.5 GΩ
Rated current per contact	1.5 A
Rated voltage	< 50 V
Transmission performance	CAT5e acc. to TIA/EIA 568C component specifications CLASS D acc. to ISO/IEC 11801 channel specifications
Standard compliance	PoE type 4 class 8 (100W) acc. IEEE 802.3bt

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Mechanical

Insertion force	≤ 20 N
Withdrawal force	≤ 20 N
Lifetime	> 1000 mating cycles
Panel thickness	Max. 3 mm (0.12”)
Wiring	Horizontal PCB mount
Locking device	Rear mounting
Chassis shape	A
Mounting	A-Screw

Material

Contact plating	0.2 µm Au over Ni plating
Contacts	Bronze (CuSn8)
Locking element	HPPA
Shell	PBT D202G30

Environmental

Flammability	UL 94 V-0
Temperature range	-30 °C to +80 °C
Solderability	Complies with IEC 68-2-20