



## NE8FBH

Horizontal PCB mount RJ45 receptacle, B-Series cutout with latch lock, max. panel thickness 3 mm

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 B-Series offers a space saving design and a rugged metal front plate.

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

### Features & Benefits

- Accommodates rugged etherCON NE8MC\* or any standard RJ45 plug
- Approved latch lock system
- Complies with Class D according to TIA / EIA 568B and ISO / IEC 11801 standard
- Ground panel connection

**Technical Information**

| Product |        |
|---------|--------|
| Title   | NE8FBH |
| Gender  | female |

| Electrical                |                        |
|---------------------------|------------------------|
| Contact resistance        | < 10 mΩ                |
| Dielectric strength       | 1 kVdc                 |
| Frequencyrange            | 1 - 100 MHz            |
| Insulation resistance     | > 0.5 GΩ               |
| Rated current per contact | 1,5 A                  |
| Rated voltage             | < 50 V                 |
| Transmission performance  | Class D                |
| Standard compliance       | TIA/EIA 586B, IEC11801 |

| Mechanical         |                      |
|--------------------|----------------------|
| Insertion force    | ≤ 20 N               |
| Withdrawal force   | ≤ 20 N               |
| Lifetime           | > 1000 mating cycles |
| Panel thickness    | max. 3 mm 0.12'      |
| Wiresize           |                      |
| Wiring             | Horizontal PCB mount |
| Locking device     | Latch lock           |
| Mounting direction | Rear mounting        |
| Chassis shape      | B                    |
| Mounting           | A-Screw              |

| <b>Material</b>        |                           |
|------------------------|---------------------------|
| <b>Contact plating</b> | 0.2 µm Au over Ni plating |
| <b>Contacts</b>        | Bronze (CuSn8)            |
| <b>Insert</b>          | PBTP 15 % GR              |
| <b>Shell</b>           | Zinc diecast (ZnAl4Cu1)   |
| <b>Shell plating</b>   | Nickel                    |

| <b>Environmental</b>     |                           |
|--------------------------|---------------------------|
| <b>Flammability</b>      | UL 94 V-0                 |
| <b>Solderability</b>     | Complies with IEC 68-2-20 |
| <b>Temperature range</b> | -30 °C to +80 °C          |

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