



NC3FAH2-LR-DAE

3 pole female XLR receptacle with Neutrik unique Halo feature and asymmetric non-metallic push.

Grounding: separate ground contact to mating connector shell and front panel. Horizontal PCB mount.

More than a connector, the `State of the Art` receptacle. Round plastic body XLR PCB mount panel connector, integrating the completely new, patented light ring and asymmetric non-metallic push elements.

The all-plastic A-Series offers the most space saving and cost effective design. Tulip type contacts with hard gold plating and polished contact areas. Light ring for status indication, etc. Improved EMC and ESD performance via asymmetric non-metallic push.

Features & Benefits

| | |
|---|--|
| <ul style="list-style-type: none">• Smallest XLR receptacles, highest packing density | <ul style="list-style-type: none">• Multiple colors available via left- and right-side SMD LEDs |
| <ul style="list-style-type: none">• Plastic housing, steel latch lock | <ul style="list-style-type: none">• Attractive signaling and design element |
| <ul style="list-style-type: none">• Tulip type female contact | <ul style="list-style-type: none">• Polished contact areas and hard gold plating |
| <ul style="list-style-type: none">• Compound material improves ESD performance | <ul style="list-style-type: none">• Housing flammability UL94 V-0 |
| <ul style="list-style-type: none">• Vertical space saving compared to standard push tabs | <ul style="list-style-type: none">• Light ring offers innovative, forward-looking alternative to light pipes |
| <ul style="list-style-type: none">• Standard cutout / no additional holes for light pipes required | <ul style="list-style-type: none">• Improved visibility compared to light pipes |
| <ul style="list-style-type: none">• Matte color of push tab eliminates disturbing light reflections from a metal push tab | <ul style="list-style-type: none">• Easier to use push tab with larger push area |

NOTE: to avoid light bleed (crosstalk), use 46 mm center-to-center spacing for multiple connectors if no light barriers employed within enclosure

Technical Information

| Product | |
|--------------------|----------------|
| Title | NC3FAH2-LR-DAE |
| Connection type | XLR |
| Number of contacts | 3 |
| 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 V |
| Grounding Options | Separate ground contact connected to mating connector shell and front panel, no connection to Pin 1 |

| Mechanical | |
|----------------------|----------------------------------|
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Lifetime | > 1000 mating cycles |
| Wiring | Horizontal PCB mount |
| Locking device | Latch lock (Assymetric ESD Push) |
| Mounting direction | Rear mounting |
| Chassis shape | A |
| Mechanical Endurance | COC |

| Material | |
|-----------------|----------------------|
| Contacts | Bronze |
| Insert | Polyamide |
| Locking element | Reinforced Polyamide |

| Environmental | |
|--|------------------------------|
| Flammability according to UL 94 | V-0 |
| Standard compliance considered during design | IEC 61076-2-103 |
| Protection class according to IEC 60529 | IP 40 |
| Pollution degree according to IEC 60664-1 | Pollution degree 2 |
| Solderability | Complies with IEC 60068-2-20 |
| Temperature range | -30 °C to +80 °C |
| Maximum operating temperature | +80 °C |