



## NC3MAH-LR

3 pole male 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

- ✓ Smallest XLR receptacles, highest packing density
- ✓ Plastic housing, steel latch lock
- ✓ Polished contact areas and hard gold plating
- ✓ Housing flammability UL94 V-0
- ✓ Light ring offers innovative, forward-looking alternative to light pipes
- ✓ Standard cutout / no additional holes for light pipes required
- ✓ Improved visibility compared to light pipes
- ✓ Multiple colors available via left- and right-side SMD LEDs

- ✓ Attractive signaling and design element
- ✓ Compound material improves ESD performance

## Technical Information

| Product            |           |
|--------------------|-----------|
| Title              | NC3MAH-LR |
| Connection Type    | XLR       |
| Number of contacts | 3         |
| Gender             | Male      |

| 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    | 6A                                                                                                  |
| 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           |
| Mounting direction   | Rear mounting        |
| Chassis shape        | A                    |
| Mechanical endurance | COC                  |

## Material

|          |           |
|----------|-----------|
| Contacts | Bronze    |
| Insert   | 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                       |