



# NJ3FD-V

Non-switching stereo jack (T/R/S)

Vertical PCB mount panel jack in A-gauge version with gold plated contacts and unique quick fixing cap for rapid panel mounting. Separation of mechanical latch and electrical contacts offers high retention force combined with low insertion force.

## Features & Benefits

- ✓ Compact robust plastic housing provides mechanical and electrical reliability
- ✓ Quick Cap Fixing System drastically reduces assembly time through snapping mounting cap
- ✓ The retention force is provided by a special spring element, independent from contacts
- ✓ Mates with plugs acc. to EIA RS-453

## Technical Information

| Product         |  |         |
|-----------------|--|---------|
| Title           |  | NJ3FD-V |
| Connection Type |  | Jack    |
| Gender          |  | female  |

**Electrical**

|                           |                   |
|---------------------------|-------------------|
| Contact resistance        | < 10 mΩ (initial) |
| Dielectric strength       | 1 kVdc            |
| Insulation resistance     | ≥ 1 GΩ @ 500 V dc |
| Rated current per contact | 3 A               |

**Mechanical**

|                    |                               |
|--------------------|-------------------------------|
| Insertion force    | < 20 N                        |
| Withdrawal force   | < 8 N                         |
| Lifetime           | > 10000 mating cycles         |
| Locking force      | > 80 N                        |
| Panel thickness    | 1.2 - 1.5 mm (0.047" - 0.06") |
| Wiresize           |                               |
| Wiring             | vertical PCB mount            |
| Locking device     | Retention spring              |
| Mounting direction | Rear mounting                 |
| Chassis shape      | 12 mm                         |
| Cap opening torque | 25 N cm / 9.84 N in           |

**Material**

|                    |                            |
|--------------------|----------------------------|
| Cap / Nut / Washer | Polyacetal (POM)           |
| Contact plating    | 0.2 μm Au                  |
| Contacts           | Bronze (CuSn6)             |
| Shell              | Polyamide (PA 6.6 30 % GR) |

| Environmental       |                           |
|---------------------|---------------------------|
| Standard compliance | EIA RS 453, IEC 60603-11  |
| Solderability       | Complies with IEC 68-2-20 |
| Temperature range   | -25 °C to +70 °C          |