



MPF12-V

12 pole female chassis connector, vertical PCB mount

The miniCON with its flexible and compact design is perfectly suitable for multipin/industrial applications. The rugged all metal miniature connector offers a push-pull locking device and stands out by an excellent cost/performance ratio.

Features & Benefits

- ✓ Velour chromium housing
- ✓ Push-pull self-locking system
- ✓ Rugged, precisely machined all metal design
- ✓ Gold plated contacts
- ✓ Fully loaded receptacle for vertical PCB mount

Technical Information

| Product | |
|-----------------|---------|
| Title | MPF12-V |
| Connection Type | miniCON |
| Gender | female |

Electrical

| | |
|---------------------------|--------------------------|
| Contact resistance | $\leq 8 \text{ m}\Omega$ |
| Dielectric strength | 1 kVdc |
| Insulation resistance | $> 0.5 \text{ G}\Omega$ |
| Rated current per contact | 3 A |
| Rated voltage | $< 50 \text{ V}$ |

Mechanical

| | |
|--------------------|---------------------|
| Wiresize | 0,5 mm ² |
| Wiresize | 20 AWG |
| Wiring | vertical PCB mount |
| Locking device | Push-Pull |
| Mounting direction | Rear mounting |
| Chassis shape | 14.10 mm |

Material

| | |
|-----------------|-------------------------|
| Contact plating | 0.2 μm AuCo |
| Contacts | Bronze (CuSn6) |
| Insert | Polyamide (PA 6.6) |
| Shell | Zinc diecast (ZnAl4Cu1) |

| Environmental | |
|-------------------|---------------------------|
| Flammability | UL 94 V-0 |
| Protection class | IP 5X |
| Solderability | Complies with IEC 68-2-20 |
| Temperature range | -30 °C to +80 °C |