



Part Number : [1203410806](#)

Product Description : Micro-Change (M12) CAT6A Field Attachable Connector, 8 Poles, X-Coded, Straight, Male, Shielded, IDC Termination, Cable Diameter 5.50-9.00mm, AWG 27-22

Series Number : 120341

Status : Active

Product Category : Circular Industrial Connectors

Engineering Number : E2AS06-52



Documents & Resources

Drawings

[1203410806_sd.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|--|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)7663-DC (21 Jan 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474

Part Details

General

| | |
|--------------|---|
| Status | Active |
| Category | Circular Industrial Connectors |
| Series | 120341 |
| Description | Micro-Change (M12) CAT6A Field Attachable Connector, 8 Poles, X-Coded, Straight, Male, Shielded, IDC Termination, Cable Diameter 5.50-9.00mm, AWG 27-22 |
| Approvals | cCSAus certified |
| Comments | POE+ according to IEEE 802.3AT; Solid Conductor diameter: 0.51 - 0.64mm (AWG24 - 22/1); Stranded Conductor diameter: 0.46 - 0.76 mm (AWG27 -22/7) |
| IP Rating | IP67 |
| Product Name | Micro-Change (M12) Cat6A |
| Type | Field Attachable Connector |
| UPC | 889056622493 |

Agency

| | |
|----|---------|
| UL | E361772 |
|----|---------|

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 0.5A |
| Voltage - Maximum | 48V |

Physical

| | |
|---------------------|--------------------------|
| Cable Diameter | 5.50-9.00mm (.216-.354") |
| Communication Speed | 10-Gigabit Ethernet |
| Coupling Type | External Thread |
| Diagnostics / LEDs | No |
| Diagnostics Port | No |
| Gender | Male |

| | |
|-------------------------------|--|
| Keyway | X-Coded |
| Material - Connector Body | Nickel-plated Brass, Zinc Die-Cast with Nickel |
| Material - Contact | Brass |
| Material - Coupling Nut | Nickel-plated Brass |
| Material - Plating Mating | Gold |
| Net Weight | 46.977/g |
| Orientation | Straight |
| Poles | 8 |
| Temperature Range - Operating | -40°C to +85°C |
| Wire Size (AWG) | 24-22/1, 27-22/7 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|-------------------|
| Micro-Change (M12) CAT6A Front Panel-Mount Receptacle, 8 Poles, X-Coded, Female (Straight), 0.0185m (.728") Length | <u>1203410075</u> |
| Micro-Change (M12) CAT6A Back Panel-Mount Receptacle, 8 Poles, X-Coded, Female (Straight), 0.0185m (.728") Length | <u>1203410150</u> |
| Micro-Change (M12) CAT6A Receptacle, 8 Poles, X-Coded, Female (Straight) to FCP Pigtail, 0.10m (4.00") Length | <u>1203410260</u> |