

# TAD2453A201-020 ✓ ACTIVE

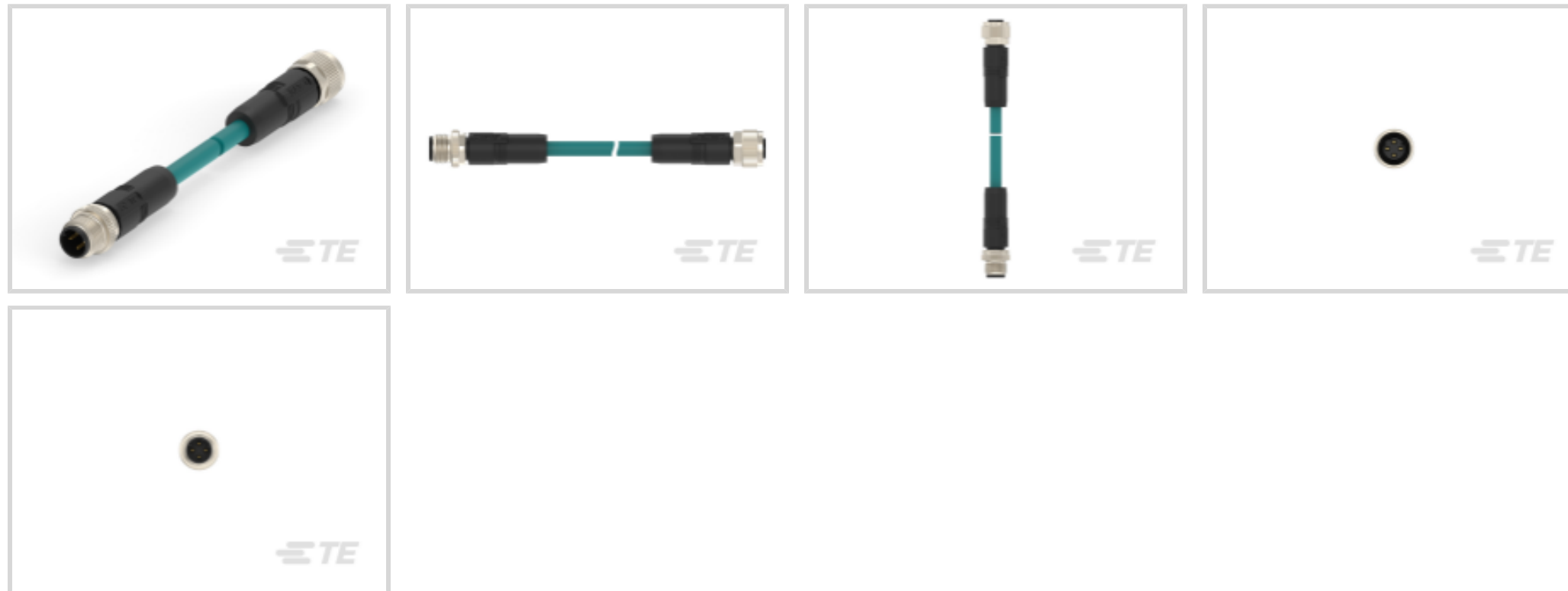
TE Internal #: TAD2453A201-020

M8/M12 Cable Assemblies, Industrial Ethernet, Ethernet, 4 Positions, D M8/M12 Cable Assembly Keying, Plug/Receptacle, M12 to M12, Straight-Straight

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Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies



M8/M12 Application Type: **Industrial Ethernet**

Number of M8/M12 Cable Assembly Positions: **4**

Industrial Protocols: **Ethernet**

M8/M12 Cable Assembly Keying: **D**

M8/M12 Cable Assembly Connector Type: **Plug/Receptacle**

## Features

### Product Type Features

|                                      |                 |
|--------------------------------------|-----------------|
| LED                                  | Without         |
| Cable Type                           | TPE             |
| Product Type                         | Cable Assembly  |
| Assembly Type                        | Overmolded      |
| M8/M12 Cable Assembly Connector Type | Plug/Receptacle |
| M8/M12 Cable Assembly Type           | M12 to M12      |
| M8/M12 Cable Assembly Shielded       | No              |

### Configuration Features

|                                           |              |
|-------------------------------------------|--------------|
| Number of Strands                         | 7            |
| Number of M8/M12 Cable Assembly Positions | 4            |
| M8/M12 Cable Assembly Keying              | D            |
| M8/M12 Cable Assembly Configuration       | Double Ended |

### Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VDC |
|-------------------|---------|



### Contact Features

|                        |     |
|------------------------|-----|
| Contact Current Rating | 3 A |
|------------------------|-----|

### Mechanical Attachment

|                                      |                   |
|--------------------------------------|-------------------|
| M8/M12 Cable Assembly Mounting Angle | Straight-Straight |
|--------------------------------------|-------------------|

### Housing Features

|                                        |           |
|----------------------------------------|-----------|
| M8/M12 Cable Assembly Housing Material | PA66+25GF |
|----------------------------------------|-----------|

### Dimensions

|                       |      |
|-----------------------|------|
| Cable Assembly Length | 2 mm |
|-----------------------|------|

### Operation/Application

|                         |                     |
|-------------------------|---------------------|
| M8/M12 Application Type | Industrial Ethernet |
|-------------------------|---------------------|

### Industry Standards

|                      |          |
|----------------------|----------|
| Industrial Protocols | Ethernet |
|----------------------|----------|

## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                    |
| EU ELV Directive 2000/53/EC                   | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                    |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                                                                                                                                                                                                                                                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<br>SVHC > Threshold:<br>Pb (1.9% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                               |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                                                                                                                                                                                                                                                                                                                   |

#### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



## Documents

### Product Drawings

[M12D4-MS-FS-TPE-24UNSH-TEAL-2.0M](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_TAD2453A201-020\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_TAD2453A201-020\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_TAD2453A201-020\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English