



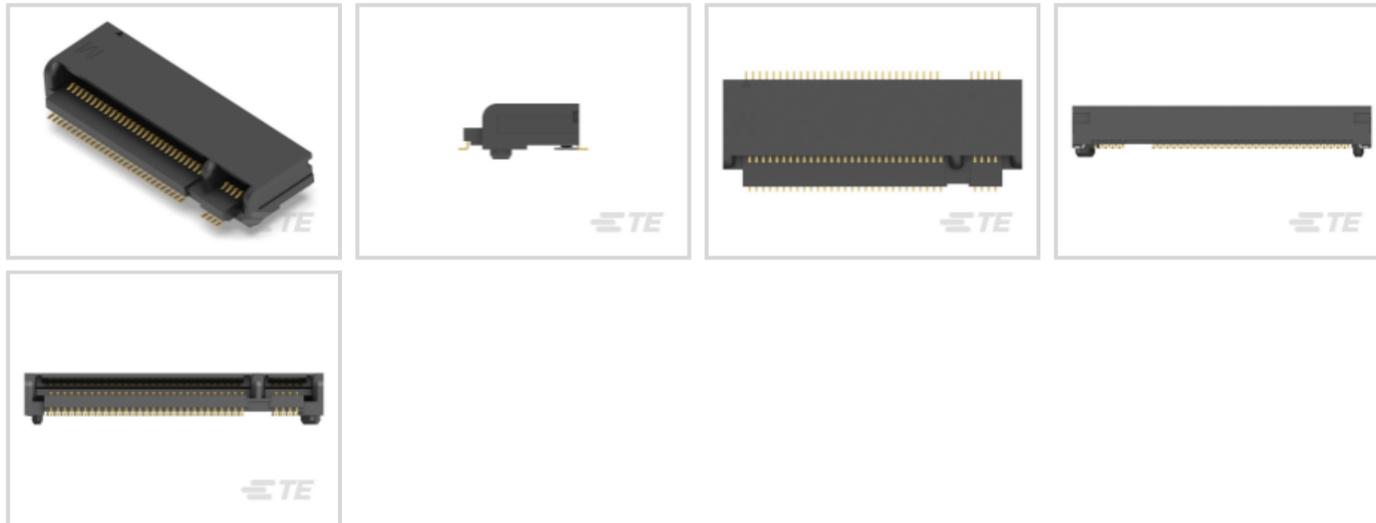
**M.2 NGFF**

TE Internal #: 1-2199119-5

3.2 mm [.126 in] Height, M Code, Gold (Au), Power, -40 – 80 °C [-40 – 176 °F], M.2 NGFF, M.2 Connectors

[View on TE.com >](#)

Connectors > PCB Connectors > Card Edge Connectors > M.2 Connectors > M.2 Connectors



Connector Height: **3.2 mm [.126 in]**

Connector & Keying Code: **M**

Contact Mating Area Plating Material: **Gold (Au)**

Circuit Application: **Power**

Operating Temperature Range: **-40 – 80 °C [-40 – 176 °F]**

[All M.2 Connectors \(29\)](#)

**Features**

**Product Type Features**

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector System                  | Board-to-Board        |

**Configuration Features**

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 67          |
| PCB Mount Orientation | Right Angle |
| Number of Rows        | 2           |

**Electrical Characteristics**

|                   |        |
|-------------------|--------|
| Operating Voltage | 50 VAC |
|-------------------|--------|

**Body Features**

|                         |       |
|-------------------------|-------|
| Primary Product Color   | Black |
| Connector & Keying Code | M     |

**Contact Features**

|                   |        |
|-------------------|--------|
| Contact Thickness | 15 µin |
|-------------------|--------|

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Contact Current Rating (Max)                         | .5 A            |
| Contact Base Material                                | Copper Alloy    |
| PCB Contact Termination Area Plating Material        | Gold Flash, Tin |
| PCB Contact Termination Area Plating Material Finish | Matte           |
| Contact Mating Area Plating Material                 | Gold (Au)       |

### Termination Features

|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

### Mechanical Attachment

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

### Housing Features

|                    |                                |
|--------------------|--------------------------------|
| Housing Material   | High Temperature Thermoplastic |
| Centerline (Pitch) | .5 mm [.02 in]                 |

### Dimensions

|                  |                   |
|------------------|-------------------|
| Connector Width  | 8.7 mm [.343 in]  |
| Connector Length | 21.9 mm [.862 in] |
| Connector Height | 3.2 mm [.126 in]  |

### Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 80 °C [-40 – 176 °F] |
|-----------------------------|----------------------------|

### Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

### Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Tape & Reel |
|------------------|-------------|

## Product Compliance

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

|                                               |                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                       |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                       |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |

## Halogen Content

Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR /CFR/PVC Free

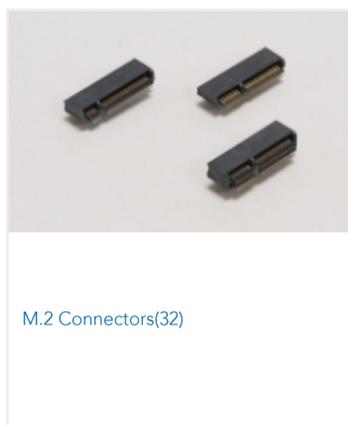
## Solder Process Capability

Reflow solder capable to 245°C

## 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

Also in the Series | **M.2 NGFF**

## Customers Also Bought



## Documents

### Product Drawings

M.2 0.5PITCH 3.2H KEY M 15U" AU

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199119-5\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199119-5\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199119-5\\_C.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages



[1-1773702-1\\_NGFF\\_ORG-EN](#)

English

---

[Product Specifications](#)

[Application Specification](#)

English

[Application Specification](#)

English