

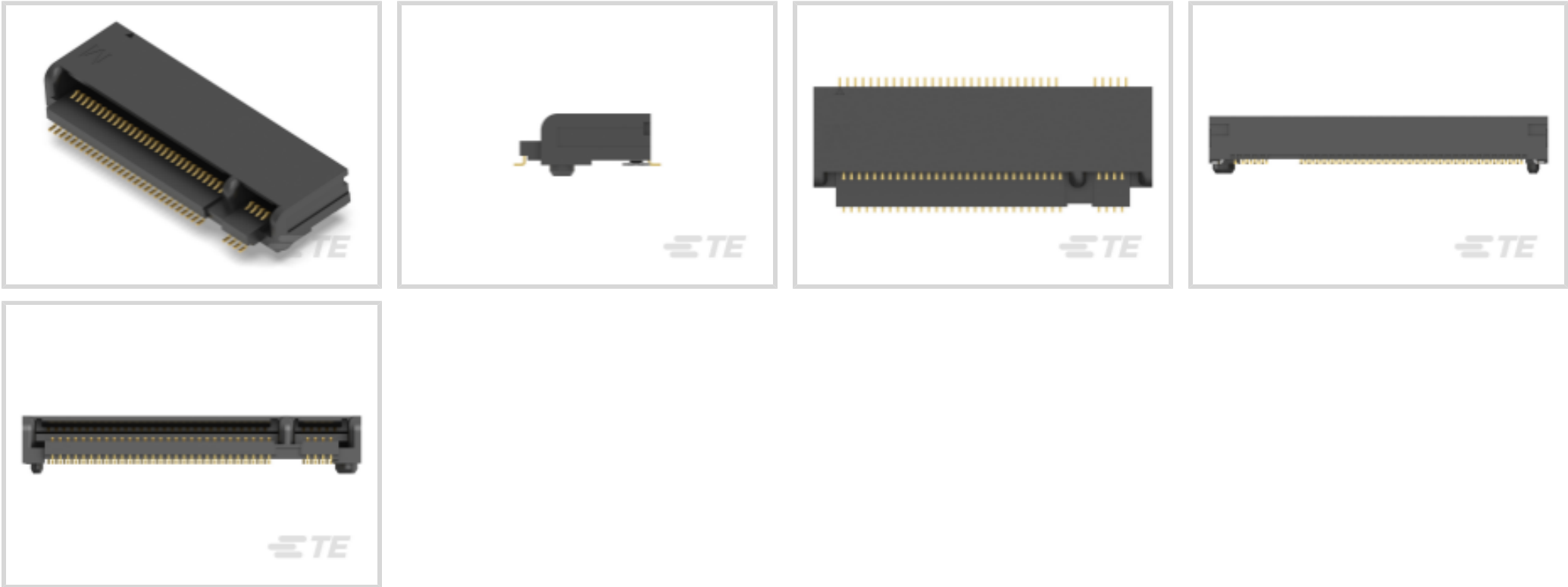


M.2 NGFF

TE Internal #: 1-2199119-5  
M.2 Connectors, Height .126 in [3.2 mm], Keying Code M, Gold,  
Board-to-Board, 67 Position, .02 in [.5 mm] Centerline, Printed  
Circuit Board, M.2 NGFF

[View on TE.com >](#)

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



Connector Height: 3.2 mm [ .126 in ]  
Keying Code: M  
Contact Mating Area Plating Material: Gold  
Connector System: Board-to-Board  
Number of Positions: 67

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

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

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

Electrical Characteristics

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

Contact Features

|  |        |
|--|--------|
|  | 15 µin |
|--|--------|



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

Termination Features

|                                             |               |
|---------------------------------------------|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---------------------------------------------|---------------|

Mechanical Attachment

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

Housing Features

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

Dimensions

|                  |                  |
|------------------|------------------|
| Connector Length | 21.9 mm[.862 in] |
| Connector Width  | 8.7 mm[.343 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 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224) |

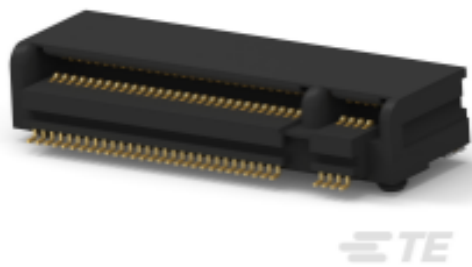


|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
|                           | Does not contain REACH SVHC                                                         |
| Halogen Content           | Low Halogen - Br, Cl, F, I < 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



TE Part # CAT-M2-C76264  
[M.2 Connectors](#)

Also in the Series | M.2 NGFF



[M.2 Connectors\(32\)](#)

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\_QRG-EN

English

Product Specifications

Application Specification

English

Application Specification

English

Product Environmental Compliance

MD\_1-2199119-5\_08062018241\_dmtec

English

MD\_1-2199119-5\_08062018241\_dmtec

English