

2199119-5 ✓ ACTIVE

M.2 NGFF

TE Internal #: 2199119-5

3.2 mm [.126 in] Height, B Code, Gold (Au), Power, -40 – 85 °C [-40 – 185 °F], M.2 NGFF, M.2 Connectors

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



Connector Height: 3.2 mm [.126 in]

Connector & Keying Code: B

Contact Mating Area Plating Material: Gold (Au)

Circuit Application: Power

Operating Temperature Range: -40 – 85 °C [-40 – 185 °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 | B |

Contact Features

30 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 – 85 °C [-40 – 185 °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) Candidate List Declared Against: JUNE 2025 (250) 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



TE Part #CSI-RGFB-100-UFFR
RP-SMA to U.FL/MHF1 100mm 1.13
OD



TE Part #384298-E
STVE 160 M ABCDE VVVV 4-00 0606
** 137



TE Part #5-1676480-7
CRG0402 1% 39K



TE Part #1825027-6
FSMRA2JHA04=R/A, TACT PB SW, 260



TE Part #2176177-9
CRGH0603 1% 680R 0.2W



TE Part #4-2176371-1
RQ 0603 12K1 0.1% 10PPM 5K RL



TE Part #2198325-6
zSFP+ STACKED 2X2 RECEPTACLE
ASSEMBLY



TE Part #2199119-6
M.2 0.5PITCH 3.2H KEY E 30U" AU



TE Part #5104338-7
A/L LOW PRO HDR 34P VERT HT



TE Part #1717832-2
MINI PCI EXPRESS EMBOSS TAPE
LATCH

Documents

Product Drawings

[M.2 0.5PITCH 3.2H KEY B 30U" AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2199119-5_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199119-5_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_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

[1-1773706-1NGFF_QRG-SC](#)

[Product Specifications](#)

[Application Specification](#)

English