

2199119-1 ✓ ACTIVE

M.2 NGFF

TE Internal #: 2199119-1

M.2 NGFF, M.2 Connectors, Connector Height .126 in [3.2 mm], B

Keying Code, Gold, Board-to-Board, 67 Position, .5mm [.02in]

Centerline

[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: **B**

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 | B |
| Number of Positions | 67 |

Electrical Characteristics

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

Contact Features

| | |
|--|-----------------|
| | 3 μ m |
| 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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

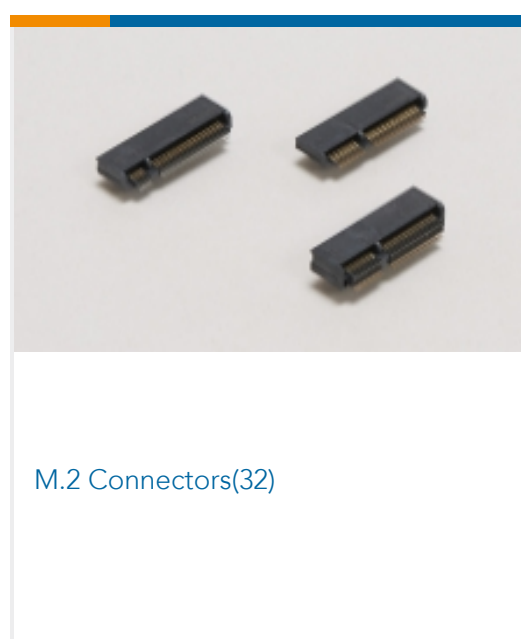
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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)

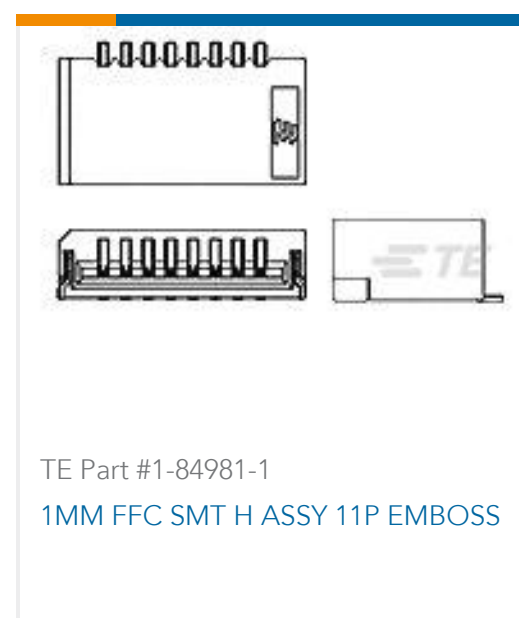
Customers Also Bought



TE Part #1-1734260-0
1.25 WTB HDR SMT, 10 POS



TE Part #1932219-1
MJ,INV,1X1,6PNL G,.100"ST,SN



TE Part #1-84981-1
1MM FFC SMT H ASSY 11P EMBOSS



TE Part #1734248-7
1.0 FPC, ZIF V/T, SMT, 7P



Documents

Product Drawings

[M.2 0.5PITCH 3.2H KEY B GOLDFLASH](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2199119-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199119-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199119-1_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

Product Environmental Compliance



Product Compliance

English

Product Compliance

English