

M.2 NGFF

TE Internal #: 1-2199119-6

M.2 Connectors, Height .126 in [3.2 mm], Connector & Keying

Code M, Gold, Power, -40 - 176 °F [-40 - 80 °C], M.2 NGFF

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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: M

Contact Mating Area Plating Material: Gold

Circuit Application: Power

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

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

Features

Product Type Features

Connector System Board-to-Board

Connector & Contact Terminates To Printed Circuit Board

Configuration Features

Number of Rows 2

PCB Mount Orientation Right Angle

Number of Positions 67

Electrical Characteristics

Operating Voltage 50 VAC

Body Features

Primary Product Color Black

Connector & Keying Code M

Contact Features

30 µin

PCB Contact Termination Area Plating Material Finish Matte

PCB Contact Termination Area Plating Material Gold Flash, Tin

Contact Base Material Copper Alloy

Contact Current Rating (Max) .5 A

Contact Mating Area Plating Material

Gold

Termination Features

Termination Method to Printed Circuit Board

Surface Mount

Mechanical Attachment

Connector Mounting Type

Board Mount

Housing Features

Housing Material

High Temperature Thermoplastic

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 2024

(240)

Candidate List Declared Against: JAN 2024

(240)

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 260°C

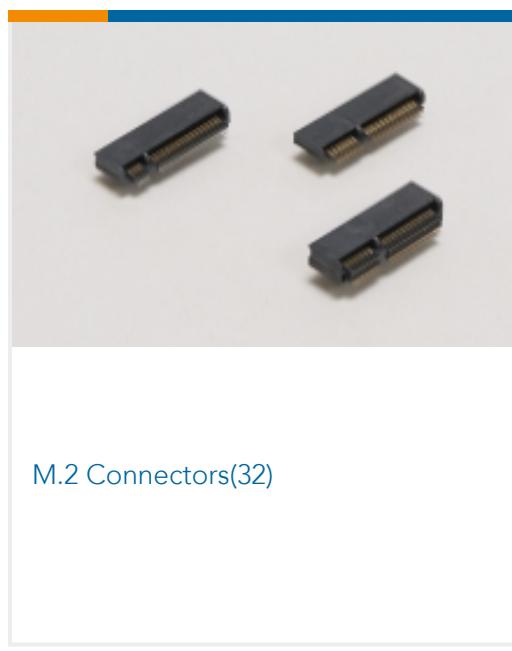
Product Compliance Disclaimer

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>

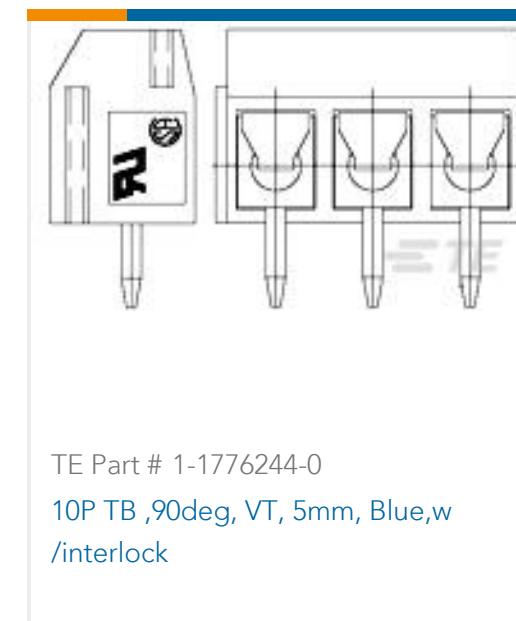
Compatible Parts

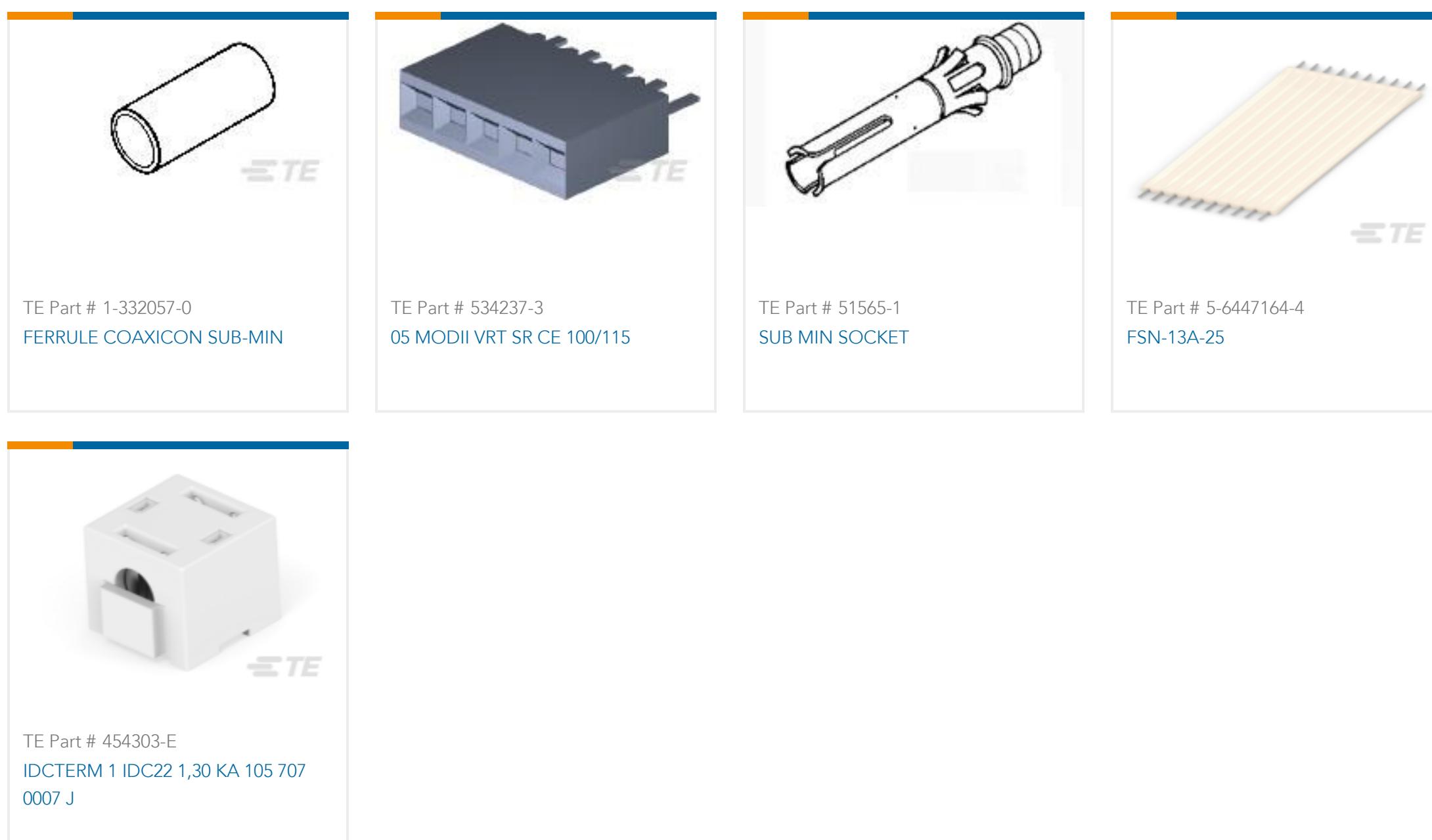


Also in the Series | M.2 NGFF



Customers Also Bought





Documents

Product Drawings

M.2 0.5PITCH 3.2H KEY M 30U" AU

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1-2199119-6_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2199119-6_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-2199119-6_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