



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

[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**

Connector System: **Board-to-Board**

Number of Positions: **67**

[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 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
------------------	--------------------------------

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

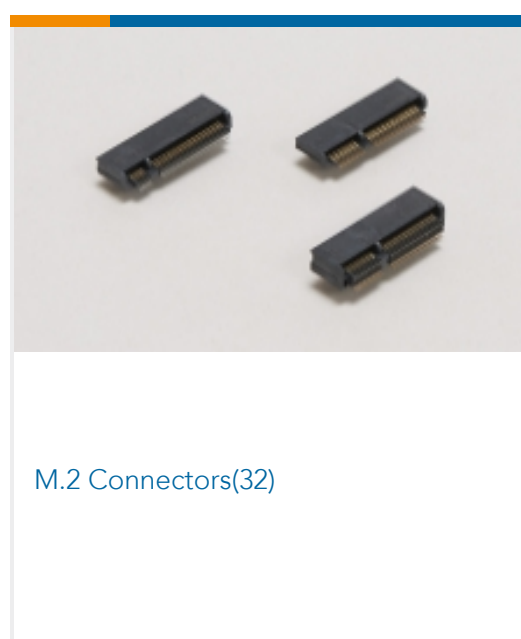
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



TE Part # CAT-M2-C76264
M.2 Connectors

Also in the Series | M.2 NGFF



M.2 Connectors(32)

Customers Also Bought



TE Part #5352128-1
Z-PACK T-B MALE HEADER 154P



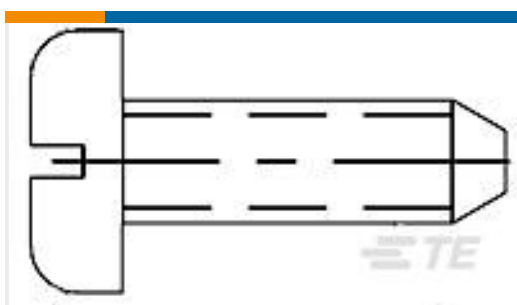
TE Part #390112-1
SKT,SODIMM,144P,SDRAM3.3V,HIGH



TE Part #292250-8
CT P/HDR BOX H ASSY 8P W/KINK



TE Part #2-1879129-1
RN 0402 1K4 0.1% 10PPM 5K RL



TE Part #221108-4
SCREW,THRD ROLLING,PL



TE Part #534237-3
05 MODII VRT SR CE 100/115



TE Part #534237-5
07 MODII VRT SR CE 100/115



TE Part #8-1734774-0
PCI EXP 2.3L 64 POS BLK G/F



TE Part #8-1879501-7
CRGH2512 5% 3K9 2W



TE Part #3-2176340-7
CRGCQ 0603 1M0 5%

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

Product Environmental Compliance

[Product Compliance Document](#)



English

[Product Compliance Document](#)

English