

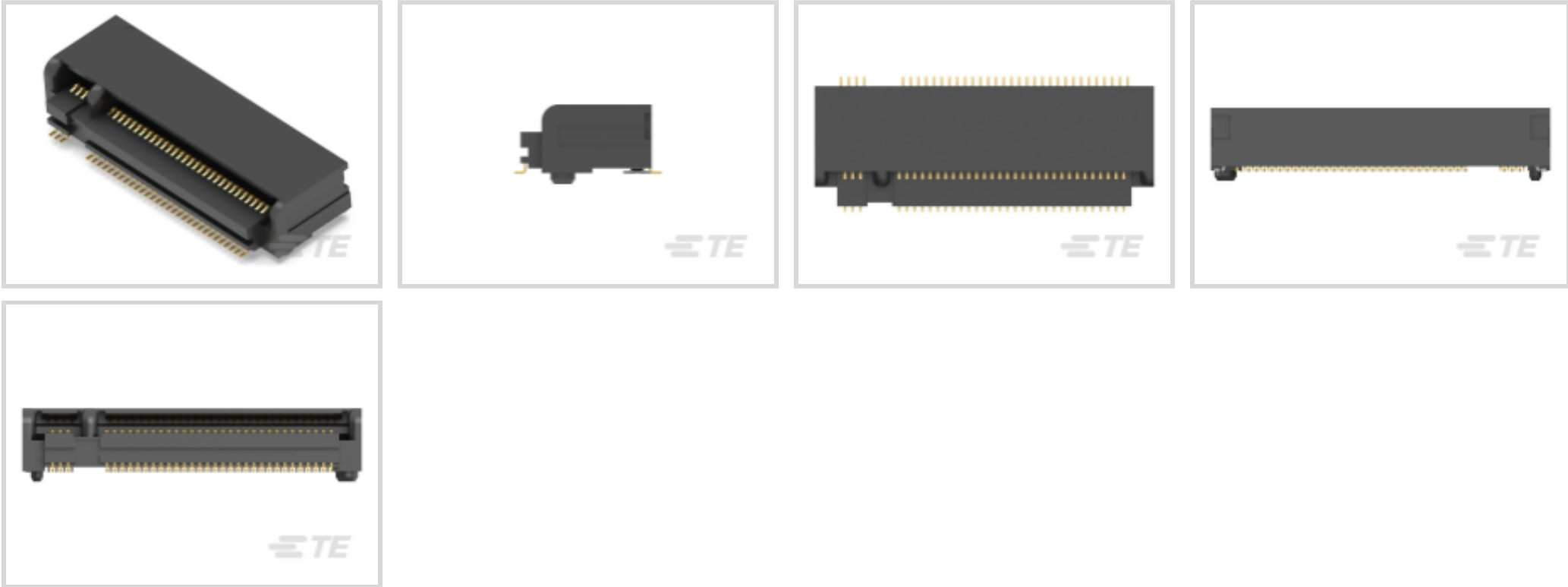


M.2 NGFF

TE Internal #: 2199230-8
Height 4.2 mm [.165 in], Connector & Keying Code A, Gold, Power,
-40 – 80 °C [-40 – 176 °F], M.2 NGFF, M.2 Connectors

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Connector Height: 4.2 mm [.165 in]
Connector & Keying Code: A
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
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Body Features

Primary Product Color	Black
Connector & Keying Code	A

Contact Features

	15 µin
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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 PCB	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
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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	4.2 mm[.165 in]

Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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Operation/Application

Circuit Application	Power
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Packaging Features

Packaging Method	Tape & Reel
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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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



Single Wall

TE Part #465911-000
82A0111-26-9

TE Part #643232-1
05P UMNL HDR ASSY R/A 94VO

TE Part #2-2176092-5
RP 2A 0.25W 1K24 0.1% 25PPM 1K RL

TE Part #2365497-2
EP2.5 single row SMT header,GWT

TE Part #ZPF000000000107607
Rectangular Connector Receptacles,
Tool-less Assembly

TE Part #8-323994-2
SPLICE BUTT PIDG 26-22

TE Part #ZPF000000000015254
DMC-M 12-20 AN

TE Part #5-2176458-5
CPF 1206 3R65 0.1% 25ppm 1K RL

TE Part #2176361-2
RQ 0402 4K75 0.1% 10PPM 1K RL

Documents

Product Drawings

M.2 0.5PITCH 4.2H KEY A 15U" AU

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2199230-8_B3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2199230-8_B3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2199230-8_B3.3d_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