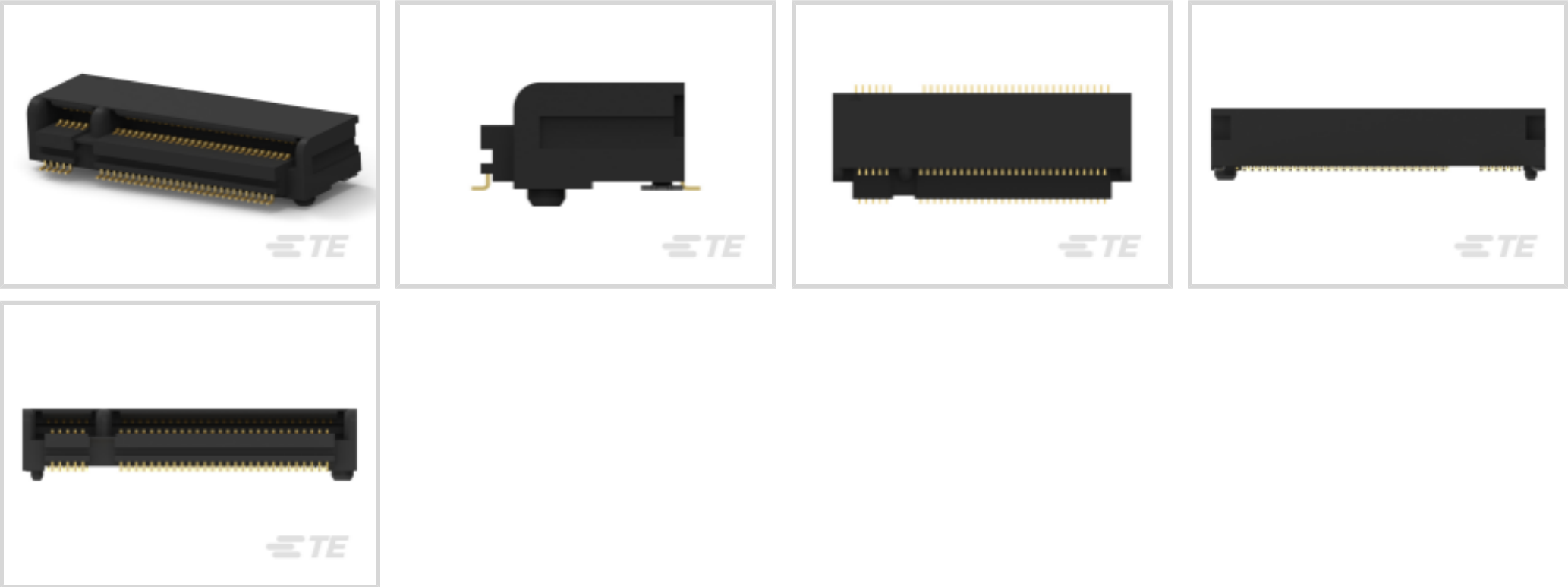




M.2 NGFF

TE Internal #: 2199230-5
Height 4.2 mm [.165 in], Code B, Gold, Power, -40 – 85 °C [-40 – 185 °F], M.2 NGFF, M.2 Connectors
[View on TE.com >](#)

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



Connector Height: 4.2 mm [.165 in]
Connector & Keying Code: B
Contact Mating Area Plating Material: Gold
Circuit Application: Power
Operating Temperature Range: -40 – 85 °C [-40 – 185 °F]

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

Features

Mechanical Attachment

Connector Mounting Type	Board Mount
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Electrical Characteristics

Operating Voltage	50 VAC
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Termination Features

Termination Method to PCB	Surface Mount
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Housing Features

Housing Material	High Temperature Thermoplastic
Centerline (Pitch)	.5 mm[.02 in]

Packaging Features

Packaging Method	Tape & Reel
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Configuration Features

Number of Positions	67
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PCB Mount Orientation	Right Angle
Number of Rows	2

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

Contact Features

Contact Current Rating (Max)	.5 A
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Tin, Gold Flash
PCB Contact Termination Area Plating Material Finish	Matte
	30 µin
Contact Mating Area Plating Material	Gold

Body Features

Primary Product Color	Black
Connector & Keying Code	B

Dimensions

Connector Width	8.7 mm[.343 in]
Connector Length	21.9 mm[.862 in]
Connector Height	4.2 mm[.165 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Circuit Application	Power
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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 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



TE Part # 2199119-5
M.2 0.5PITCH 3.2H KEY B 30U" AU

Also in the Series | M.2 NGFF



M.2 Connectors(32)

Customers Also Bought





TE Part #CAT-AM7017-H342
[AMP COMMON TERMINATION HEADERS](#)



TE Part #CAT-3984552-PHITPS
[CT Post Header Assembly: Part. Shrouded](#)



TE Part #1-1879336-6
[CPF 0603 332R 1% 50PPM 1K RL](#)



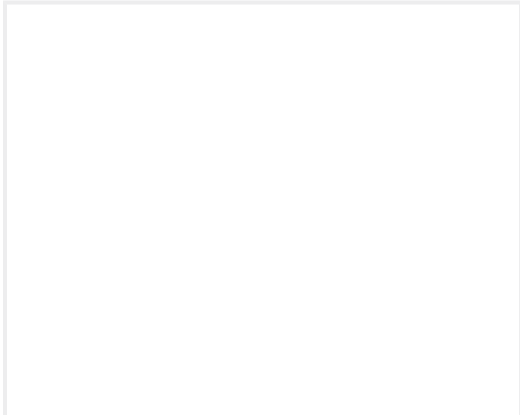
TE Part #4-1879160-6
[RN 0805 5R36 0.1% 10PPM 1K RL](#)



TE Part #160650-2
[250 FASTON,PCB TAB,TNBR](#)



TE Part #133041-E
[MJ DS-LG5 8 8 4 GF9 30 J 3 1](#)



TE Part #284185-E
[STVE 160 F ABCDE VWWV 7-00 EEUE 13,0](#)

Documents

Product Drawings

[M.2 0.5PITCH 4.2H KEY B 30U" AU](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2199230-5_B3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199230-5_B3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2199230-5_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