

1-2199230-5 ✓ ACTIVE



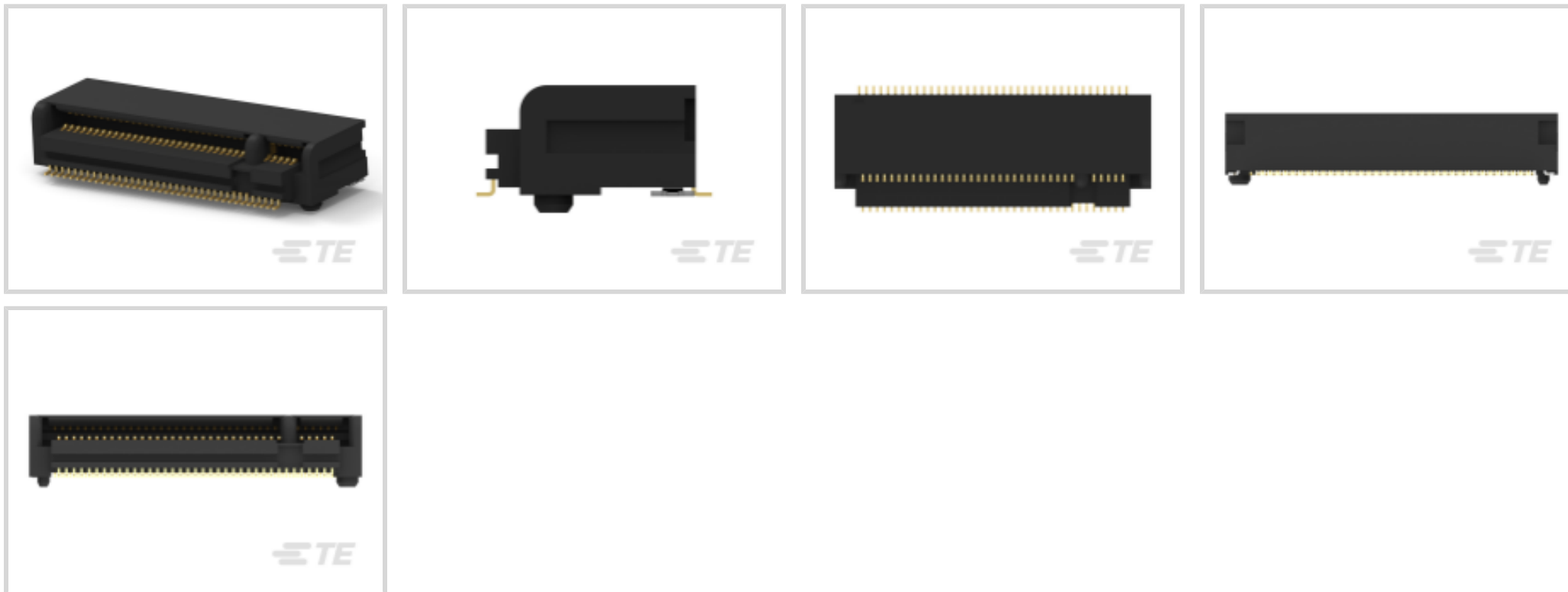
## M.2 NGFF

TE Internal #: 1-2199230-5

4.2 mm [.165 in] Height, M Code, Gold (Au), 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



Connector Height: 4.2 mm [.165 in]

Connector & Keying Code: M

Contact Mating Area Plating Material: Gold (Au)

Circuit Application: Power

Operating Temperature Range: -40 – 85 °C [-40 – 185 °F]

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

Operating Voltage	50 VAC
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### Body Features

Primary Product Color	Black
Connector & Keying Code	M

### Contact Features

Contact Pitch	15 µin
Contact Current Rating (Max)	.5 A

Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold Flash, Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material	Gold (Au)

### 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 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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### 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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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>

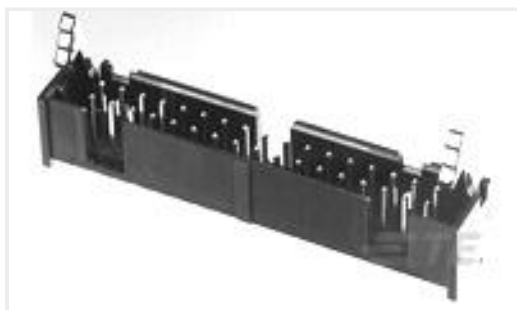
## Compatible Parts



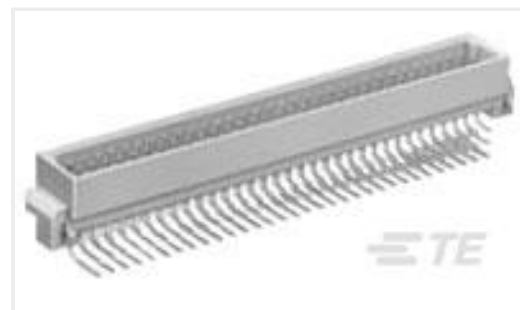
## Also in the Series | M.2 NGFF



## Customers Also Bought



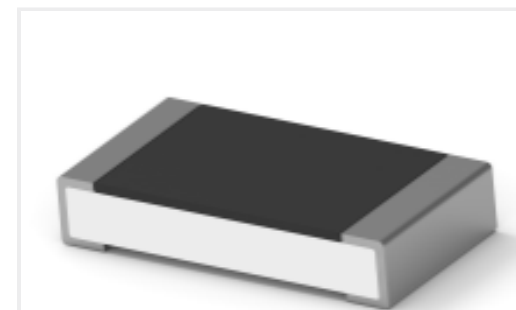
TE Part #104313-7  
040 LOPRO HDR SP 30DP LATCH



TE Part #9-1393646-4  
V42254B7200C933=PC612 MESSERLE



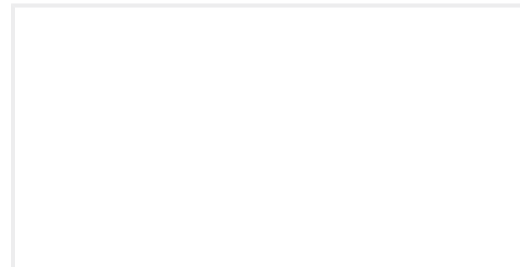
TE Part #1888653-9  
2X1 OFFSET ST/JK WITH LEDS



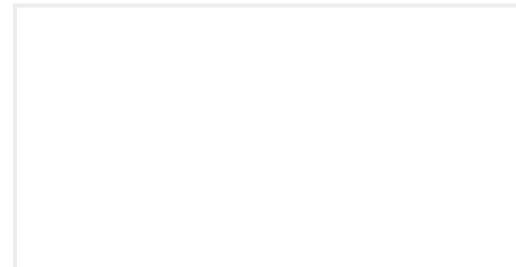
TE Part #3-2176391-5  
RQ 1206 28K 0.1% 10PPM 5K RL



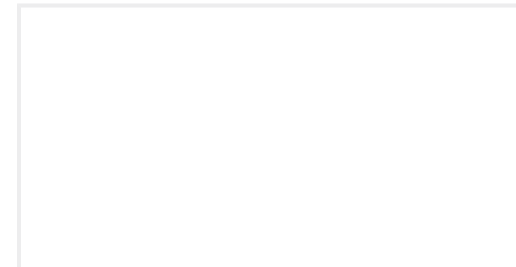
TE Part #2199230-4  
M.2 0.5PITCH 4.2H KEY E 15U" AU



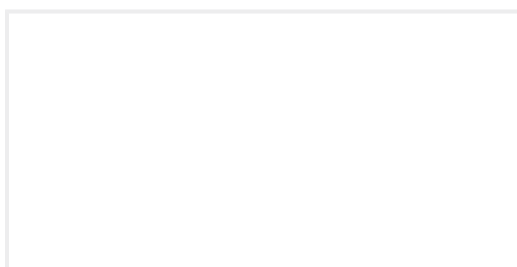
TE Part #ZPF000000000207883  
732-8256-22 A1533



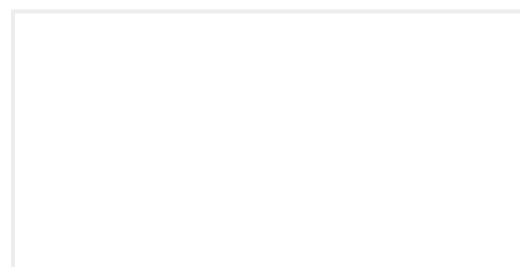
TE Part #ZPF000000000207882  
732-8254-16 A1533



TE Part #2018679-1  
PCBA, BMEP/MEP IO INTERFACE



TE Part #2383586-1  
CA, CCJ TO 2\*Dynamic



TE Part #2401979-1  
CAGE ASSY, QSFP DD 1X1, HS, LP

## Documents

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199230-5\\_B3.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199230-5\\_B3.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2199230-5\\_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\\_ORG-EN](#)

English

### Product Specifications



## Application Specification

English