

6-146256-2 ✓ ACTIVE

## AMPMODU

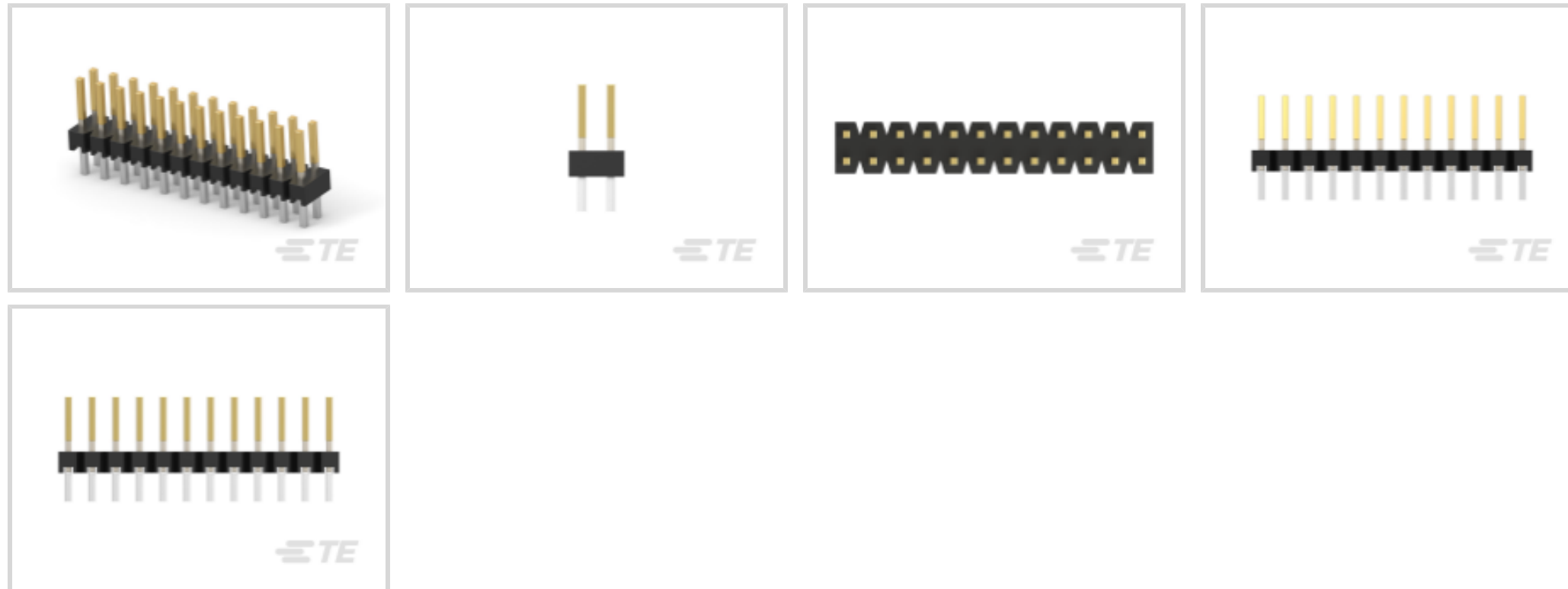
TE Internal #: 6-146256-2

PCB Mount Header, Vertical, Board-to-Board, 24 Position, 2.54 mm  
[.1 in] Centerline, Breakaway, Gold (Au), Through Hole - Solder,  
Signal, Black

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **24**

Number of Rows: **2**

Centerline (Pitch): **2.54 mm [.1 in]**

### Features

#### Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Breakaway
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

#### Configuration Features

Number of Positions	24
Number of Rows	2
PCB Mount Orientation	Vertical
Board-to-Board Configuration	Parallel

#### Body Features

Primary Product Color	Black
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#### Contact Features



PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 µm[100 – 200 µin]
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.381 µm[15 µin]
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	3 A

#### Termination Features

Termination Method to PCB	Through Hole - Solder
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#### Mechanical Attachment

Connector Mounting Type	Board Mount
Mating Alignment	Without
PCB Mount Alignment	Without
PCB Mount Retention	Without

#### Housing Features

Centerline (Pitch)	2.54 mm[.1 in]
Housing Material	Liquid Crystal Polymer (LCP)

#### Dimensions

Row-to-Row Spacing	2.54 mm[.1 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

#### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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#### Operation/Application

Circuit Application	Signal
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#### Industry Standards

UL Flammability Rating	UL 94V-0
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#### Packaging Features

Packaging Method	Carton
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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	Pin-in-Paste 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



## Customers Also Bought



TE Part #1-350948-0  
04P UMNL HDR ASSY R/A V2 NATL



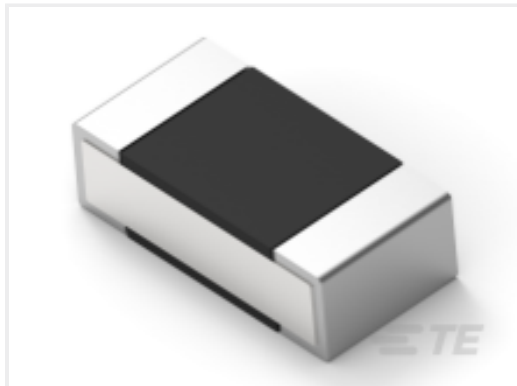
TE Part #6-534206-2  
24 MODII VRT DR CE 100/115



TE Part #1871058-1  
PCI EXPRESS CONN. EON TYPE, 36P,  
L=2.0



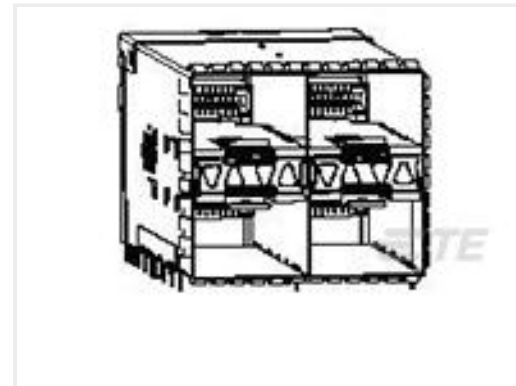
TE Part #1-1879213-3  
CPF 0402 34R8 0.1% 25PPM 1K RL



TE Part #5-2176307-7  
RP 1E 0.1W 47K5 0.1% 25PPM 5K RL



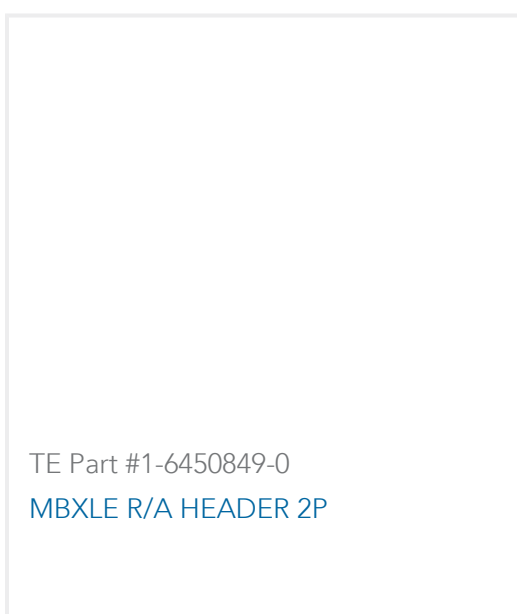
TE Part #2180490-1  
IMP,PWR,4PR,HDR,R-HLD,1X,802-1,N  
/A



TE Part #2198325-6  
zSFP+ STACKED 2X2 RECEPTACLE  
ASSEMBLY



TE Part #4-2371899-2  
PCIE G5 CON,SMT,S-CUT,64P,15",10  
MYL,ST



TE Part #1-6450849-0  
MBXLE R/A HEADER 2P



TE Part #1878660-9  
QCC306BU

## Documents

### Product Drawings

[24 MODII HDR DRST B/A .100CL LF](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_6-146256-2\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-146256-2\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_6-146256-2\\_E.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Agency Approvals

6-146256-2

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[UL](#)

English