

2204406-6 ✓ ACTIVE

MULTI-BEAM | MULTI-BEAM HD

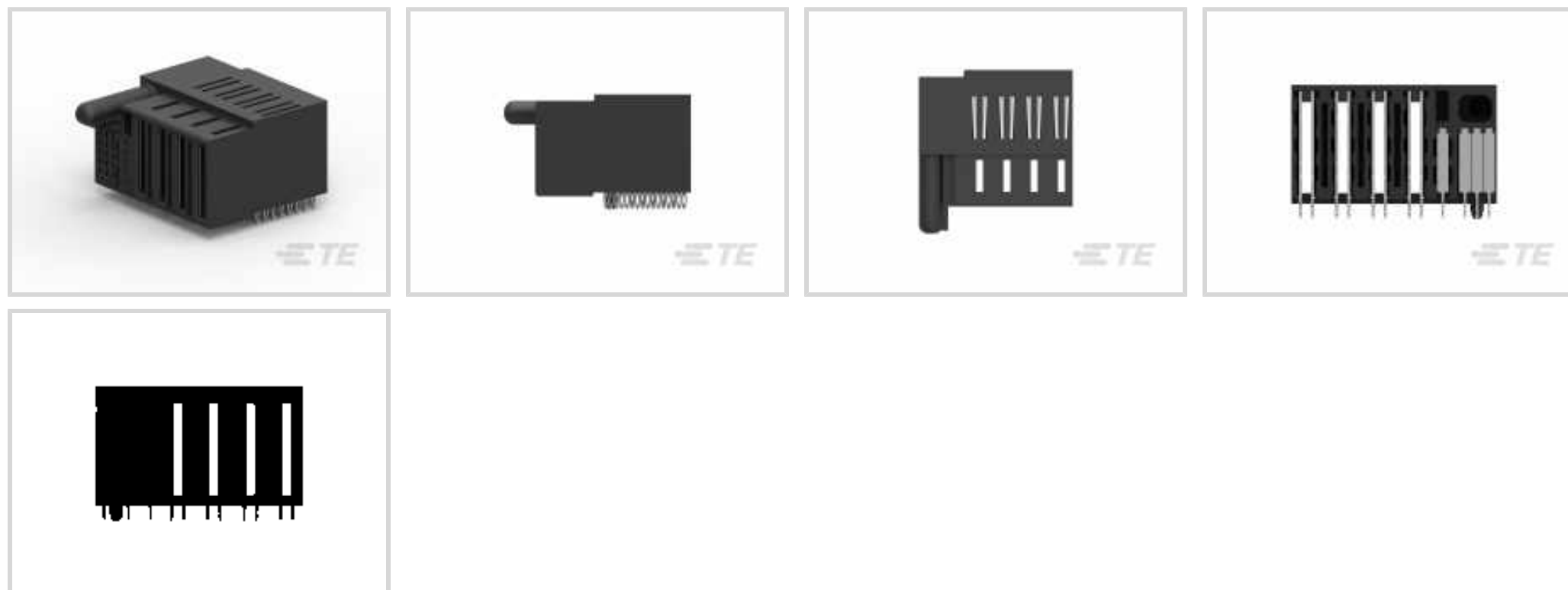
TE Internal #: 2204406-6

Rectangular Power Connectors, Header, Receptacle, Board-to-Board, 24 Position, Printed Circuit Board, UL 94V-0, MULTI-BEAM HD

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **24**

Sealable: **No**

## Features

### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Rectangular Power Connector Type  | Header                |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Board-to-Board        |
| Sealable                          | No                    |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|  |                      |
|--|----------------------|
| Number of Positions by Circuit Application | 4VP/Power, 20/Signal |
| Number of Positions                        | 24                   |
| PCB Mount Orientation                      | Right Angle          |
| Number of Power Positions                  | 6                    |
| Number of Signal Positions                 | 20                   |
| Number of Rows                             | 5                    |

### Contact Features

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|



|                               |                  |
|-------------------------------|------------------|
| Contact Underplating Material | Palladium Nickel |
|-------------------------------|------------------|

|                                  |      |
|----------------------------------|------|
| Contact Retention Within Housing | With |
|----------------------------------|------|

|              |            |
|--------------|------------|
| Contact Type | Receptacle |
|--------------|------------|

|   |     |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

### Termination Features

|                                |        |
|--------------------------------|--------|
| Termination Post & Tail Length | 3.2 mm |
|--------------------------------|--------|

|   |                          |
|---|--------------------------|
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
|---|--------------------------|

### Housing Features

|               |       |
|---------------|-------|
| Housing Color | Black |
|---------------|-------|

|                  |                                   |
|------------------|-----------------------------------|
| Housing Material | LCP GF30 (Liquid Crystal Polymer) |
|------------------|-----------------------------------|

### Dimensions

|                    |                |
|--------------------|----------------|
| Row-to-Row Spacing | 2 mm [.079 in] |
|--------------------|----------------|

### Usage Conditions

|                             |              |
|-----------------------------|--------------|
| Operating Temperature Range | -40 – 125 °C |
|-----------------------------|--------------|

### Operation/Application

|                     |               |
|---------------------|---------------|
| Circuit Application | Power, Signal |
|---------------------|---------------|

### Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

|                  |                                       |
|------------------|---------------------------------------|
| Glow Wire Rating | High Temperature Part - Not Glow Wire |
|------------------|---------------------------------------|

### Packaging Features

|                  |            |
|------------------|------------|
| Packaging Method | Box & Tray |
|------------------|------------|

## 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: JAN 2023 (233)<br>Candidate List Declared Against: JAN 2023 (233)<br>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

Not applicable for solder process capability

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 # 2204446-8  
MULTI-BEAM HD R/A PLUG 4VP+20S

### Also in the Series | MULTI-BEAM HD



Rectangular Power Connectors(46)

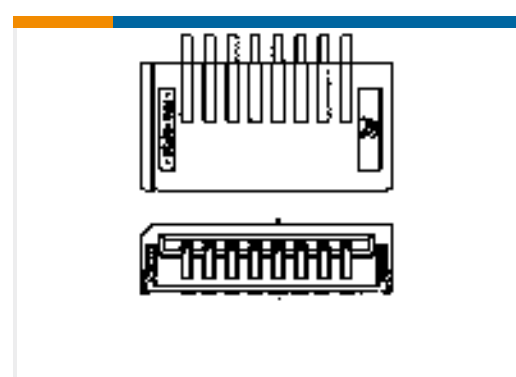
### Customers Also Bought



TE Part #1-2316102-2  
12P,2MM,REC,HSG,SR,CRIMP,PLAIN, BOX



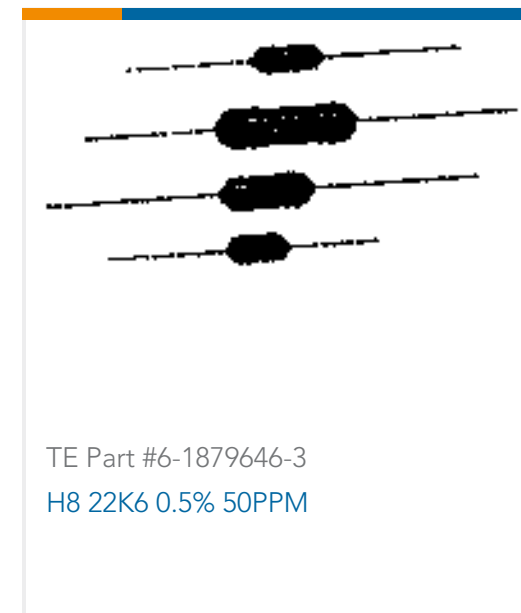
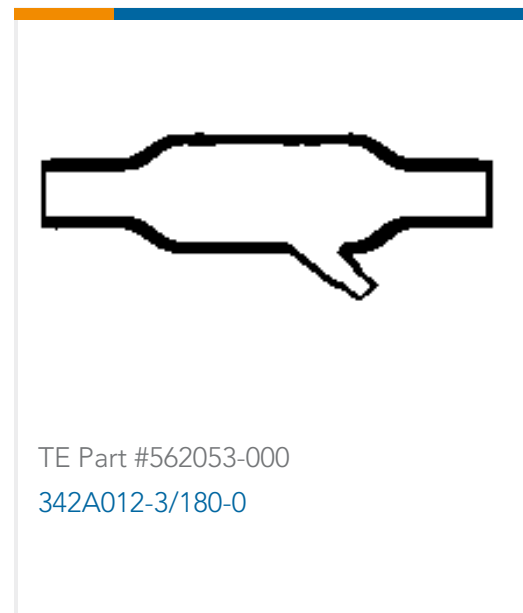
TE Part #02560413-000  
LVDT HCA 050 ASSY



TE Part #1735360-8  
1mm FFC SMT H BOTTOM CONTACT ASSY, 8P



TE Part #2204416-1  
MULTI-BEAM HD R/A.REC.4VP+20S SOLDER



## Documents

### Product Drawings

[MULTI-BEAM HD R/A REC. 4VP+20S](#)

English

[MULTI-BEAM HD R/A REC. 4VP+20S](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2204406-6\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2204406-6\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2204406-6\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[UL](#)

English