

2214870-1 ✓ ACTIVE

## Mini-SAS HD

TE Internal #: 2214870-1

Mini-SAS HD, Receptacle, Cable-to-Board, 144 Position, 4 Row, 4 Port, Right Angle, Through Hole - Press-Fit, .029 in [.75 mm]

Centerline, Mini-SAS HD

[View on TE.com >](#)



Connectors > PCB Connectors > SAS & MiniSAS



SAS Connector Type: **Mini-SAS HD**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **144**

Number of Rows: **4**

### Features

#### Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Shell                             | With                  |
| SAS Connector Type                | Mini-SAS HD           |
| Connector & Housing Type          | Receptacle            |
| Connector System                  | Cable-to-Board        |
| Connector & Contact Terminates To | Printed Circuit Board |

#### Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 144         |
| Number of Rows        | 4           |
| Number of Ports       | 4           |
| PCB Mount Orientation | Right Angle |

#### Body Features

|                       |       |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

#### Contact Features

|                       |              |
|-----------------------|--------------|
| Contact Base Material | Copper Alloy |
|-----------------------|--------------|

#### Termination Features

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

#### Mechanical Attachment

|                     |      |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|



|                          |          |
|--------------------------|----------|
| PCB Mount Retention Type | M2 Screw |
|--------------------------|----------|

|                         |                          |
|-------------------------|--------------------------|
| Connector Mounting Type | Board Mount, Panel Mount |
|-------------------------|--------------------------|

### Housing Features

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

|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | .75 mm[.029 in] |
|--------------------|-----------------|

### Dimensions

|                         |                   |
|-------------------------|-------------------|
| Profile Height from PCB | 12.78 mm[.503 in] |
|-------------------------|-------------------|

### Usage Conditions

|                          |     |
|--------------------------|-----|
| High Temperature Housing | Yes |
|--------------------------|-----|

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

### Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

### Industry Standards

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

### Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 15 |
|--------------------|----|

|                  |                     |
|------------------|---------------------|
| Packaging Method | Box & Tray, Package |
|------------------|---------------------|

## 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 2023 (235)<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 # 2-2337815-1  
MINISAS HD TO MINISAS HD,28AWG,  
0.5M



TE Part # 2-2337815-2  
MINISAS HD TO MINISAS HD,28AWG,  
1M



TE Part # 2-2337815-3  
MINISAS HD TO MINISAS HD,28AWG,  
2M



TE Part # 2-2337815-5  
MINISAS HD TO MINISAS HD,28AWG,  
4M



TE Part # 2-2337815-6  
MINISAS HD TO MINISAS HD,28AWG,  
5M



TE Part # 2337815-1  
MINISAS HD TO MINISAS HD,30AWG,  
0.5M



TE Part # 2337815-2  
MINISAS HD TO MINISAS HD,30AWG,  
1M



TE Part # 2337815-3  
MINISAS HD TO MINISAS HD,30AWG,  
2M



TE Part # 2337815-4  
MINISAS HD TO MINISAS HD,30AWG,  
3M



TE Part # 4-2337815-1  
MINISAS HD TO MINISAS HD,26AWG,  
0.5M



TE Part # 4-2337815-2  
MINISAS HD TO MINISAS HD,26AWG,  
1M



TE Part # 4-2337815-3  
MINISAS HD TO MINISAS HD,26AWG,  
2M



TE Part # 4-2337815-4  
MINISAS HD TO MINISAS HD,26AWG,  
3M



TE Part # 4-2337815-5  
MINISAS HD TO MINISAS HD,26AWG,  
4M



TE Part # 4-2337815-7  
MINISAS HD TO MINISAS HD,26AWG,  
6M



TE Part # 4-2337815-8  
MINISAS HD TO MINISAS HD,26AWG,  
7M



TE Part # 2-2337815-4  
MINISAS HD TO MINISAS HD,28AWG,  
3M



TE Part # 4-2337815-6  
MINISAS HD TO MINISAS HD,26AWG,  
5M

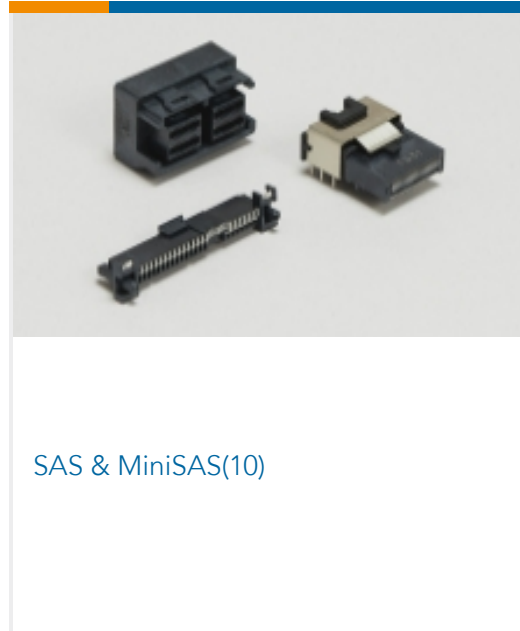
### Also in the Series | Mini-SAS HD



Mini-SAS Cages(11)



Pluggable I/O Cable Assemblies(18)



SAS & MiniSAS(10)



SATA & Micro SATA(1)

### Customers Also Bought



TE Part #5747847-6  
37 MSFL RCPT RA 318 (SL,FM,BL)



TE Part #53115-2  
TERMINAL,PIDG SPD 26-24 6



TE Part #1551920-2  
zQSFP+ connector assembly



TE Part #1766354-1  
284-0492-11000=TA CONN,SKT



TE Part #8-2176304-5  
RP 1E 0.1W 75R 0.1% 25PPM 5K RL



TE Part #5-2176364-0  
RQ 0402 15K 0.1% 10PPM 5K RL



TE Part #YDTS20W21-35SNV001  
RECP ASSY



TE Part #YDTS20W17-06PNV001  
RECP ASSY



TE Part #160136  
TERM, RING, PLASTI-GRIP, 16-14, M10



TE Part #521620-000  
55A7400-22-9/96-9CS2275



## Documents

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2214870-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2214870-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2214870-1\\_B.3d\\_stp.zip](#)

English

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### Product Specifications

#### Application Specification

English

### Agency Approvals

#### UL Report

English