

2357798-1 ✓ ACTIVE



### Free Height

TE Internal #: 2357798-1

PCB Mount Header, Vertical, Board-to-Board, 220 Position, .5 mm Centerline, Gold, Surface Mount, Signal, Black, Free Height

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **220**

Centerline (Pitch): **.5 mm**

## Features

### Product Type Features

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

### Configuration Features

|                              |          |
|------------------------------|----------|
| PCB Mount Orientation        | Vertical |
| Number of Positions          | 220      |
| Board-to-Board Configuration | Parallel |

### Body Features

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

### Contact Features

|                                      |       |
|--------------------------------------|-------|
| Contact Mating Area Plating Material | Gold  |
|                                      | 8 µin |
| Contact Type                         | Pin   |



|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | .5 A |
|------------------------------|------|

#### Termination Features

|   |               |
|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

#### Mechanical Attachment

|                       |           |
|-----------------------|-----------|
| Mating Alignment Type | Polarized |
|-----------------------|-----------|

|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

#### Housing Features

|                    |       |
|--------------------|-------|
| Centerline (Pitch) | .5 mm |
|--------------------|-------|

|                  |                               |
|------------------|-------------------------------|
| Housing Material | LCP (High Temp Thermoplastic) |
|------------------|-------------------------------|

#### Dimensions

|              |      |
|--------------|------|
| Stack Height | 8 mm |
|--------------|------|

#### Usage Conditions

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

#### Operation/Application

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

#### Industry Standards

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

#### Packaging Features

|                |           |
|----------------|-----------|
| Packaging Type | 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<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 | Reflow solder 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




TE Part # 2357739-1  
16G,05FH,REC,220PIN,4H,Hard Tray



TE Part # 2357739-2  
16G,05FH,REC,220PIN,4H,HT W/ CAP



TE Part # 2357739-3  
16G,05FH,REC,220P,4H,emboss w/ cap



TE Part # 2357739-5  
16G,05FH,REC,220PIN,4H,HT W/ BLACK CAP

### Also in the Series | Free Height



PCB Headers & Receptacles(759)

### Customers Also Bought



TE Part #2227595-1  
1X1 VERT ASSY, MINI SAS HD INTERNAL



TE Part #2170704-2  
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #5103309-3  
A/L LOW PRO HDR 16P VERT BLACK



TE Part #1888631-2  
Cage Assy SAN Hsink QSFP Thru Bezel



TE Part #2007263-1  
SFP+ 1x2 Cage Assembly



TE Part #5787617-1  
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part #3-794620-2  
02P MICRO MNL ASSY,R/A,HDR,LF



TE Part #3-6318490-6  
.5FHR04H,220,S,GIG,08/Sn,HT,NSYes



TE Part #3-1825910-5  
FSM18JH=6MM TACT SWITCH, HIGH TEMP

## Documents

### Product Drawings

[16G,05FH,plug,220P,8H,HT, W/O CAP](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2357798-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2357798-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2357798-1\\_A.3d\\_stp.zip](#)

English

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

### Product Specifications

[Product Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

2357798-1

PCB Mount Header, Vertical, Board-to-Board, 220 Position, .5 mm Centerline, Gold,  
Surface Mount, Signal, Black, Free Height

