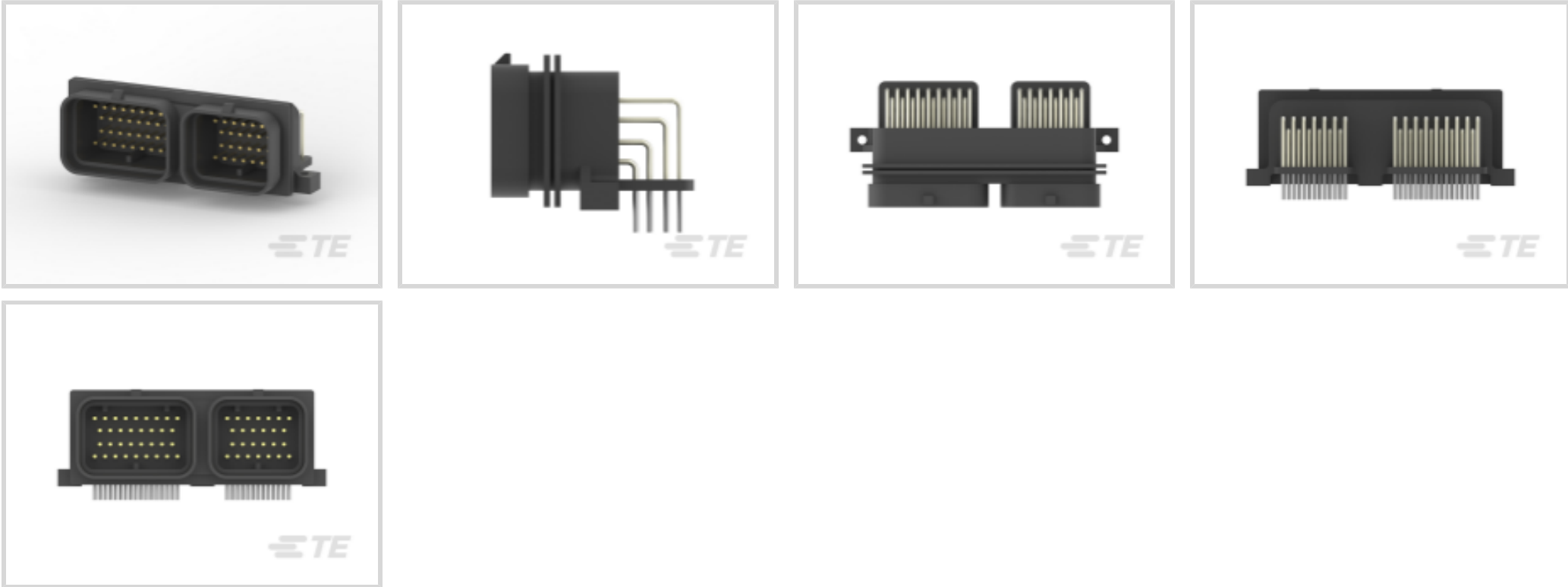




Connectors > PCB Connectors > PCB Headers & Receptacles > SUPERSEAL Connector Headers: 1.0 mm



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **60**

Number of Rows: **4**

[All SUPERSEAL Connector Headers: 1.0 mm \(39\)](#)

Features

Product Type Features

|                                   |                       |
|-----------------------------------|-----------------------|
| Mixed & Hybrid Header             | No                    |
| Connector Shape                   | Rectangular           |
| PCB Connector Type                | PCB Mount Header      |
| Connector System                  | Wire-to-Board         |
| Header Type                       | Fully Shrouded        |
| Sealable                          | Yes                   |
| Connector & Contact Terminates To | Printed Circuit Board |
| Connector Product Type            | Connector Assembly    |

Configuration Features

|                            |             |
|----------------------------|-------------|
| Number of Signal Positions | 60          |
| Number of Sections         | 2           |
| PCB Mount Orientation      | Right Angle |
| Number of Positions        | 60          |



|                |   |
|----------------|---|
| Number of Rows | 4 |
|----------------|---|

Electrical Characteristics

|                              |                               |
|------------------------------|-------------------------------|
| Operating Voltage            | 250 VDC                       |
| Voltage Rating (Max)         | 250 VDC                       |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V, 240 V |

Body Features

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

Contact Features

|                                      |               |
|--------------------------------------|---------------|
| Mating Pin Diameter                  | 1 mm[.039 in] |
| Contact Size                         | 1mm           |
| Contact Mating Area Plating Material | Gold (Au)     |
| Contact Type                         | Pin           |

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

|                         |                   |
|-------------------------|-------------------|
| Panel Mount Feature     | Without           |
| Mating Retention Type   | Locking Interface |
| Mounting Holes          | With              |
| Mating Retention        | With              |
| PCB Mount Retention     | Without           |
| PCB Mount Alignment     | Without           |
| Connector Mounting Type | Board Mount       |
| Mating Alignment        | With              |

Housing Features

|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 3 mm[.118 in] |
|--------------------|---------------|

Dimensions

|                         |                  |
|-------------------------|------------------|
| Connector Width         | 36.5 mm[1.44 in] |
| Profile Height from PCB | 27.9 mm[1.1 in]  |
| Connector Length        | 78 mm[3.1 in]    |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |



Operation/Application

|                     |        |
|---------------------|--------|
| Shielded            | No     |
| Circuit Application | Signal |

Industry Standards

|           |      |
|-----------|------|
| IP Rating | IPX7 |
|-----------|------|

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 8    |
| Packaging Method   | Tube |

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Wave solder capable to 240°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 # CAT-SU763-CH8172  
SUPERSEAL Connector Housings: 1.0 mm

TE Part # 1746107-9  
SUPER SEAL 60POS CAP SUB ASSY H AU



TE Part # 6473427-1  
SUPER SEAL 60POS CAP ASSY H AU

Also in the Series | **SUPERSEAL 1.0mm**



Automotive Headers(39)



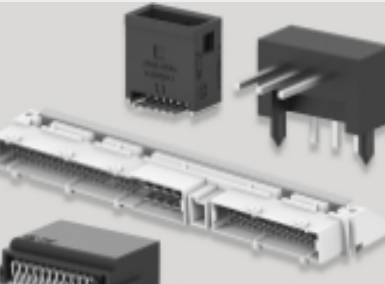
Automotive Housings(22)



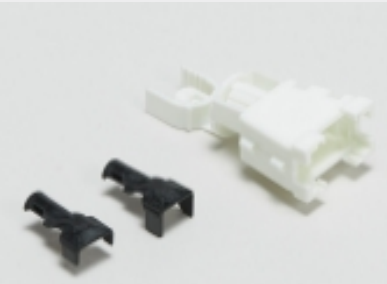
Connector Backshells(3)



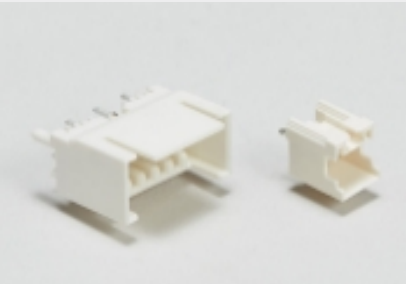
Connector Seals & Cavity Plugs(1)



PCB Headers & Receptacles(39)



Rectangular Backshells & Clamps(3)

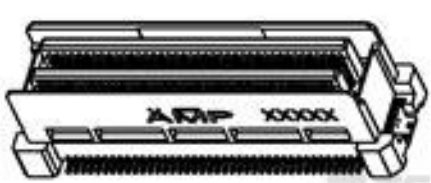


Wire-to-Board Headers & Receptacles (27)

Customers Also Bought



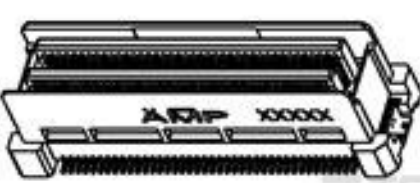
TE Part #CAT-SU763-H342  
SUPERSEAL Connector Headers: 1.0 mm



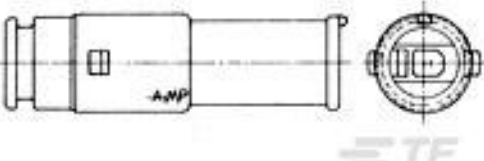
TE Part #6376611-1  
MICRO STACK HDR ASSY 80P H=6.75



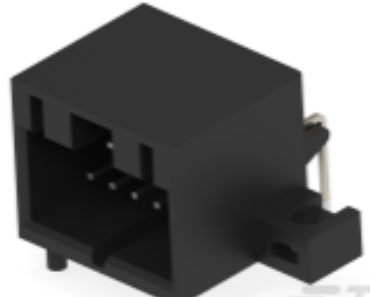
TE Part #5174151-2  
040/070 MULTI I/O CONN 64PASSY



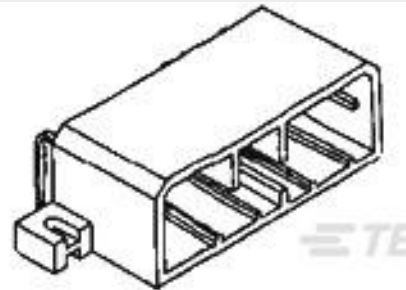
TE Part #6376610-1  
MICRO STACK HDR ASSY 80P H=9



TE Part #172205-2  
ECONOSEAL-J CONN CAP 4P BLACK



TE Part #172243-1  
DLI 12POS CAP ASSY H TIN



TE Part #173856-6  
070 MLC CAP ASS'Y 8P GRAY



Documents

Product Drawings

SUPER SEAL 60POS CAP ASSY H AU

Japanese

SUPER SEAL 60POS CAP ASSY H AU

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_6437288-3\_D.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6437288-3\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6437288-3\_D.3d\_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Super Seal Connector

Japanese

Application Specification

Japanese

Instruction Sheets

Instruction Sheet (non U.S.)

English

SUPER SEAL CONNECTOR PLUG HOUSING CONNECTOR

English

Agency Approvals

UL Report

English