# 102557-6 × OBSOLETE

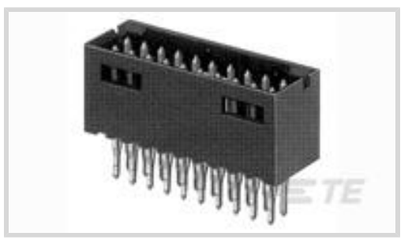
AMPMODU | AMPMODU Headers

TE Internal #: 102557-6

TE Internal Description: 50 MODII HDR DRST SHRD A/PIN

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **50**

Number of Rows: **2**

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

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

| | |
|---|---|
| Connector System | Wire-to-Board |
| Header Type | Fully Shrouded |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type | PCB Mount Header |

### Configuration Features

| | |
|---|---|
| Board-to-Board Configuration | Parallel |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 50 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 750 Vrms |

### Body Features

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

### Contact Features

| | |
|---|---|
| Mating Square Post Dimension | .64 mm[.025 in] |
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| Contact Mating Area Plating Material Thickness | .762 µm[30 µin] |

| | |
|---|---|
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Base Material | Copper Nickel Tin |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 6.35 mm[.25 in] |
| Termination Method to PCB | Through Hole - Press-Fit |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| PCB Mount Retention Type | Action/Compliant Tail |
| Mating Retention Type | Detent Window |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| PCB Mount Retention | With |

## Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 2.54 mm[.1 in] |

## Usage Conditions

| | |
|---|---|
| Housing Temperature Rating | High |
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

## Operation/Application

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

## Industry Standards

| | |
|---|---|
| Compatible With Agency/Standards Products | CSA |

| | |
|---|---|
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 40 |
| Packaging Method | Tray |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Pb (40% in Component Part)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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

## Also in the Series | AMPMODU Headers



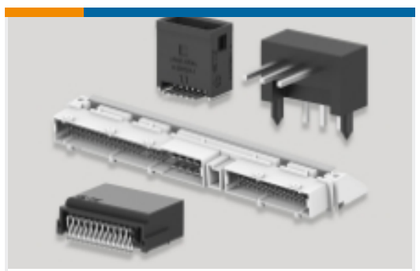
Connector Caps & Covers(1)



Connector Contacts(64)



Connector Hardware(2)



PCB Headers & Receptacles(3202)



Wire-to-Board Connector Assemblies & Housings(5)

## Customers Also Bought



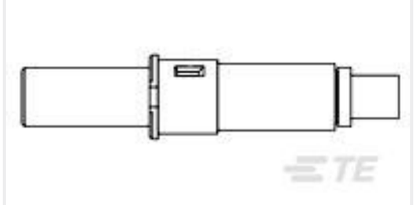
TE Part #1879075-9
THS25 R47 5%



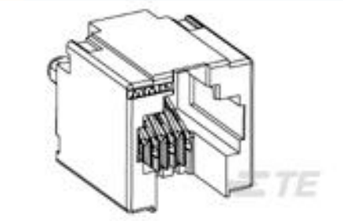
TE Part #2-1625971-0
HSA25 1R2 5%



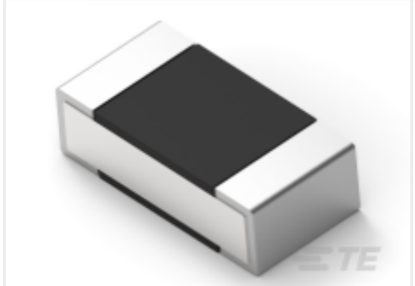
TE Part #3-1625963-9
HSA5 5R0 1%



TE Part #1445692-3
ASY,PIN,QUADRAX



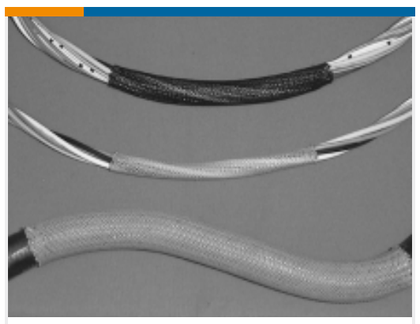
TE Part #6116201-1
MJ,TE,8P,COMPL.PIN,CAT5



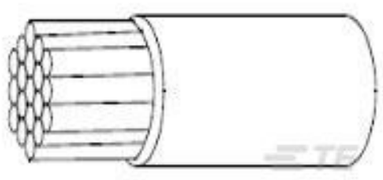
TE Part #2-2176305-9
RP 1E 0.1W 210R 0.1% 25PPM 5K RL



TE Part #5-1393118-3
KUP-17D55-24=KU



TE Part #E865454001
VERSAFLEX-FR-3/4-09-SP



TE Part #557887-000
22759/44-26-9

## Documents

## CAD Files

### Customer View Model

ENG_CVM_CVM_102557-6_R.2d_dxf.zip

English

### 3D PDF

3D

### Customer View Model

ENG_CVM_CVM_102557-6_R.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_102557-6_R.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

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Global Electronic Components Distributor

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## TE Connectivity:

2834055-1 1-794222-0 U5254-000005-030PA 2005330-1 SMW73R0JT 141991-2 1903112-2 2380312-2
3-1393225-0 CPF0402B37K4E1 TE50BR39J 2-292161-3 RH73H2A40MKTN 1393431-1 1743455-2
3430B2F51RTDF 650075-000 3631B101LL 936348-1 SBCHE64R7K SBCHE154R7K 1-962915-1
2310537-1 917696-1 CRGCQ2010J3K3 ROX05SJ18R 175977-2 1969656-1 2377783-2 MPT100C18RF