# 4-146507-0 × OBSOLETE

AMPMODU | AMPMODU Headers

TE Internal #: 4-146507-0

TE Internal Description: 80 MODII HDR DRST UNSHRD STKG

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Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Header**

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

Number of Positions: **80**

Number of Rows: **2**

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

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Stackable | Yes |
| Number of Positions | 80 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |
| Board-to-Board Configuration | Parallel |

### Electrical Characteristics

| | |
|---|---|
| Insulation Resistance | 5000 MΩ |

### Body Features

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

### Contact Features

| | |
|---|---|
| | 15 µin |
| Mating Square Post Dimension | .64 mm[.025 in] |
| Contact Shape & Form | Square |

| | |
|---|---|
| Contact Mating Area Length | 8.38 mm[.33 in] |
| Contact Base Material | Brass |
| PCB Contact Termination Area Plating Material | Gold |
| Contact Mating Area Plating Material Thickness | .381 µm[15 µin] |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Length | 8.38 mm[.33 in] |
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |
| Mating Alignment | Without |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |

## Housing Features

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

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 2.54 mm[.1 in] |
| Stack Height | 17.01 mm[.67 in] |
| PCB Thickness (Recommended) | 1.4 mm[.055 in] |

## Operation/Application

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

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 25 |
| Packaging Method | Carton |

## 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 2025 (250)<br>Candidate List Declared Against: JAN 2023 (233)<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 |

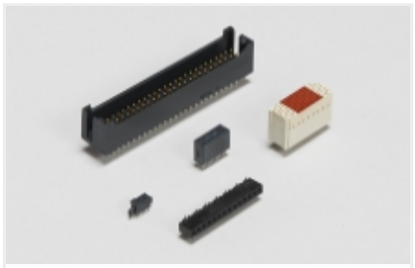
Product Compliance Disclaimer

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

## Also in the Series | AMPMODU Headers



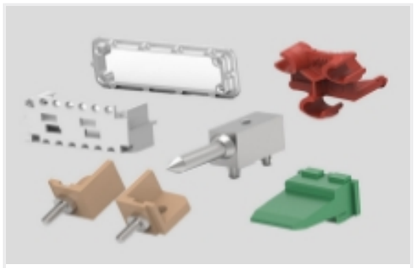
Automotive Signal & Power Headers(3)



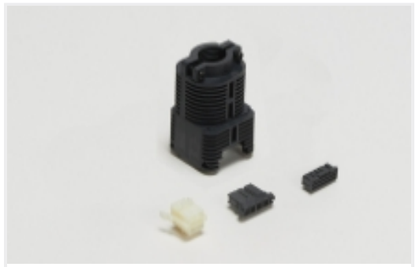
Board-to-Board Headers & Receptacles(1147)



Connector Contacts(15)



Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Power Connectors(25)

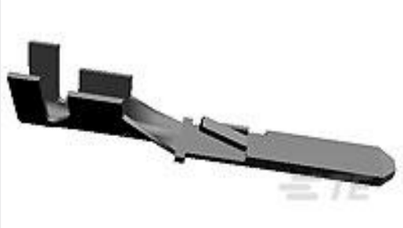


Wire-to-Board Connector Assemblies & Housings(2)

## Customers Also Bought



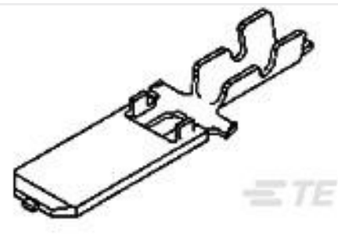
TE Part #5-146281-2
02 MODII HDR SRST B/A LF



TE Part #160743-4
110 FASTIN FASTON,TAB,20-16 AWG, PTBR



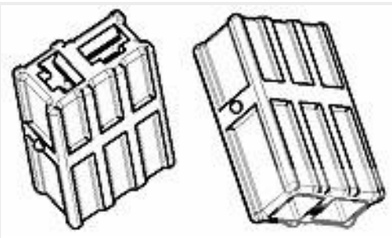
TE Part #170031-1
FF 250 REC 20-14AWG BR



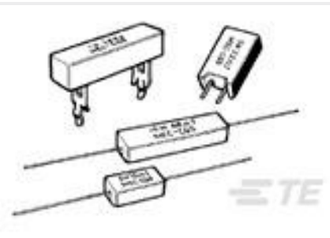
TE Part #170340-1
FF 250 TAB 20-14AWG BR WITHOUT LATCH



TE Part #521744-1
FASTIN FASTON 250 HOUSING TAB NYLON 6/6



TE Part #626064
2 WAY FASTIN-ON 110 HOUSING REC PA66 NAT



TE Part #1-1623788-8
SQM5 6R8 5% (WIRE)



TE Part #2-1718643-1
2POS, MCON 1.2 LL REC SEALED



TE Part #1-1903130-0
DYNAMIC 1200D TAB HSG 20P F/H

## Documents

### Datasheets & Catalog Pages

AMPMODU Interconnetion System

AMPMODU Interconnetion System

English