# 745783-4

AMPLIMITE

TE Internal #: 745783-4

TE Internal Description: 25 MSFL RCPT RA 318 (IN,FM)

D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm

View on TE.com >

Connectors > D-Shaped Connectors > D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm







Number of Positions: **25**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **3**

All D-Sub Receptacle Assembly: Right Angle, Shell Size 3, 2.77mm (47)

## Features

### Product Type Features

| | |
|---|---|
| Ground Feature Type | Grounding Straps |
| Shell Material Configuration | Front Metal Shell |
| Connector & Housing Type | Receptacle |
| Connector System | Board-to-Board |
| Connector Shell Size | 3 |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 25 |
| Number of Rows | 2 |
| PCB Mount Orientation | Right Angle |

### Body Features

| | |
|---|---|
| Insert Material | Zinc |
| Shell Plating Material | Tin |

| | |
|---|---|
| Mating Retention Feature Material | Zinc |
| Primary Product Color | Black |
| Connector Profile | Standard |

## Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Nickel |
| Contact Mating Area Plating Material | Gold (Au) |
| Contact Base Material | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Tin-Lead |
| Contact Shape & Form | Round |
| Contact Current Rating (Max) | 6 A |
| Contact Options | Installed |

## Termination Features

| | |
|---|---|
| Termination Post & Tail Diameter | .66 mm[.026 in] |
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |

## Mechanical Attachment

| | |
|---|---|
| Mating Retention Feature Plating Material | Clear Chromate |
| Mounting Feature Plating Material | Tin |
| Mounting Feature Material | Brass |
| Mounting Hole Diameter | 3.05 mm[.12 in] |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Hole |
| Mating Retention | With |
| Mating Retention Type | Threaded Insert, 4-40 UNC |

## Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |
| Shell Material | Steel |
| Centerline (Pitch) | 2.77 mm[.109 in] |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 2.36 mm[.093 in] |

| | |
|---|---|
| Row-to-Row Spacing | 2.84 mm[.112 in] |

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 65 |
| Packaging Method | Tray |

## Product Compliance

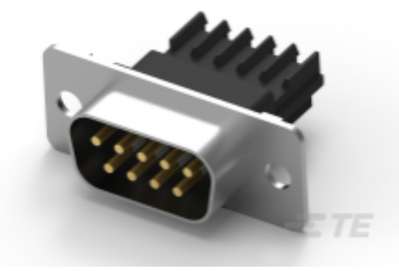
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°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-AM7-248H3
IDC D-Sub: Plug Assembly, Wire to Wire, Signal, 2.77 mm



TE Part # CAT-AM7-H3
IDC D-Sub: Plug Assembly, Low Profile, Signal, 2.77 mm

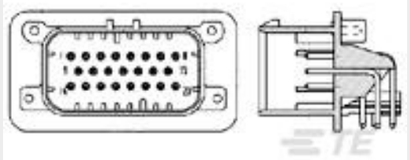


TE Part # 206509-1
SIZE 20 KEYING PLUG

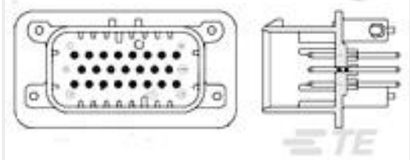
## Customers Also Bought



TE Part #CAT-D487-H342
DEUTSCH DT Headers



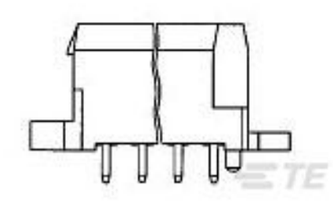
TE Part #776267-1
14POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1



TE Part #776276-1
8POS,PIN DIA 1.3,HDR ASSY,180DEG, COD 1



TE Part #927768-6
JPT REC 2.8 Contact SRC Ag



TE Part #963357-1
2X11P MESSERLEISTE



TE Part #2317416-1
OSFP 1X1 CAGE ASSMBLY



TE Part #5227671-1
BNC PCB VERTICAL W/PINS



TE Part #5745563-3
HD KIT,SCREWLOCK



TE Part #316370-6
040 II SRS MK-II 48P CAP ASSY

## Documents

### Product Drawings

25 MSFL RCPT RA 318 (IN,FM)

English

### CAD Files

3D PDF

3D

## Customer View Model

ENG_CVM_CVM_745783-4_AC.2d_dxf.zip

English

## Customer View Model

ENG_CVM_CVM_745783-4_AC.3d_igs.zip

English

## Customer View Model

ENG_CVM_CVM_745783-4_AC.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