# 205738-1 × OBSOLETE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 205738-1

TE Internal Description: 25 RCPT SP/MS STD

View on TE.com >

Connectors > D-Shaped Connectors



Number of Positions: **25**

Connector & Housing Type: **Receptacle**

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

Connector Mounting Type: **Board Mount**

Connector Shell Size: **3**

## Features

### Product Type Features

| | |
|---|---|
| Shell Material Configuration | Full 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 | Vertical |

### Body Features

| | |
|---|---|
| Shield Plating Material | Tin |
| Insert Material | Polyamide, GV |
| Shield Material | Steel |
| Shell Plating Material | Zinc |
| Primary Product Color | Black |
| Connector Profile | Standard |

### Contact Features

| | |
|---|---|
| | 30 µin |
| Contact Underplating Material | Palladium Nickel |
| | |

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

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |
| Termination Post & Tail Length | 3.18 mm[.125 in] |
| Square Termination Post & Tail Dimension | .63 mm[.025 in] |

## Mechanical Attachment

| | |
|---|---|
| | .12 in |
| Connector Mounting Type | Board Mount |
| PCB Mount Retention | Without |
| Mating Retention | Without |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF |
| Shell Material | Carbon Steel |
| Centerline (Pitch) | 2.74 mm[.108 in] |

## Dimensions

| | |
|---|---|
| PCB Thickness (Recommended) | 1.57 mm, 2.36 mm[.062 in][.093 in] |
| Row-to-Row Spacing | 2.84 mm[.112 in] |

## Usage Conditions

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

## Operation/Application

| | |
|---|---|
| Shielded | Yes |
| Circuit Application | Signal |

## Industry Standards

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

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 10 |

| | |
|---|---|
| Packaging Method | Tube |

## Product Compliance

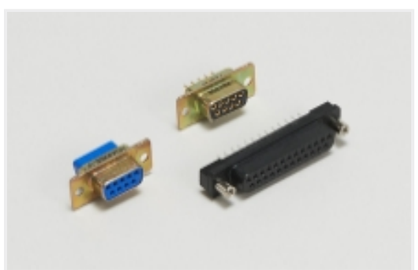
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (13% 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 | 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

## Also in the Series | AMPLIMITE HD-20

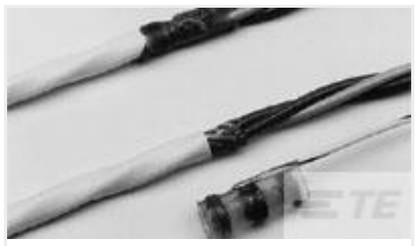


D-Shaped Connectors(285)

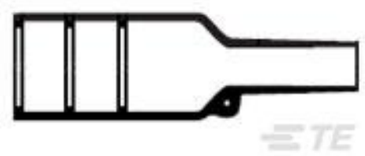


PCB D-Sub Connectors(285)

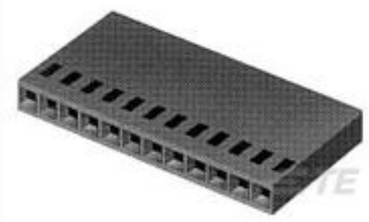
## Customers Also Bought



TE Part #084483-000
CWT-9005



TE Part #812841-000
202K132-3-0



TE Part #87499-9
05 MODIV HSG SR MRKD .100CL



TE Part #205562-2
AMPLIMITE,ASY,PLUG,STD,109,4



TE Part #1-480426-9
04P CMNL CAP HSG F/H BLK



TE Part #1410188-3
MULTIGIG RT T2 7RW DC DF F-RGT



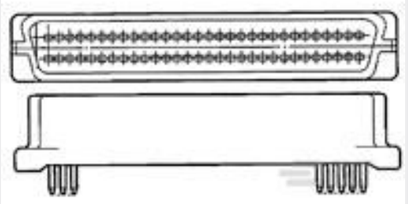
TE Part #1532188-1
M83513/02-BN, MCKS-N1-B-15SS



TE Part #1532210-1
M83513/01-BN, MCKS-N1-B-15PS



TE Part #5148116-5
ASSY,PIN,EUROCARD,TYPE C,LEAD-FREE,96 PO



TE Part #5173280-3
AMPLIMITE.050 CAP ASS'Y (V) 50

## Documents

### Product Drawings

25 RCPT SP/MS STD

English

### CAD Files

Customer View Model

ENG_CVM_CVM_205738-1_AD.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_205738-1_AD.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_205738-1_AD.2d_dxf.zip

English

3D PDF

3D

3D PDF

English

## Customer View Model

ENG_CVM_205738-1_U.2d_dxf.zip

English

## Customer View Model

ENG_CVM_205738-1_U.3d_igs.zip

English

## Customer View Model

ENG_CVM_205738-1_U.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