



## PCB D-SUB CONNECTORS



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 25 HTMSFL PLUG RA 318 (IN,BL)

AMPLIMITE

5788794-1

TE Internal Number: 5788794-1

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline (mm) **2.28**

Number of Positions **25**

Number of Rows **2**

Shell Size **3**

#### Product Drawings

**PLUG ASSEMBLY, SIZE 3, .318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE HD-20**

PDF  
English

#### CAD Files

**Customer View Model**

2D\_DXF.ZIP  
English

**3D PDF**

PDF  
3D

**Customer View Model**

3D\_IGS.ZIP  
English

**Customer View Model**

3D\_STP.ZIP  
English

#### Catalog Pages/Data Sheets

**AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors**

PDF  
English

#### Product Environmental Compliance

TE Material Declaration

**MD\_5788794-1\_090820112346**

PDF  
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

Connector Style

**Plug**

Shell Size

**3**

|                        |                                             |                             |
|------------------------|---------------------------------------------|-----------------------------|
|                        | Profile                                     | Standard                    |
|                        | PCB Mounting Orientation                    | Right Angle                 |
|                        | Grounding Straps                            | With                        |
|                        | Shell Type                                  | Front Metal Shell           |
|                        | Footprint                                   | 8.08 mm [ .318 in ]         |
|                        | Grounding Indents                           | With                        |
|                        | Applies To                                  | Printed Circuit Board       |
|                        | Sealed                                      | No                          |
|                        |                                             |                             |
| Configuration Features | Number of Positions                         | 25                          |
|                        | Number of Rows                              | 2                           |
|                        | Preloaded                                   | Yes                         |
|                        |                                             |                             |
| Body Features          | Plastic                                     | No                          |
|                        | Color Code                                  | None                        |
|                        | Eyelet Plating Material                     | Tin                         |
|                        | Shell Plating Material                      | Tin                         |
|                        | Insert Material                             | Zinc                        |
|                        | Shell Material                              | Steel                       |
|                        | Eyelet Material                             | Brass                       |
|                        | Post Size (in)                              | .026                        |
|                        |                                             |                             |
| Contact Features       | Solder Tail Contact Plating Material        | Tin over Nickel             |
|                        | Contact Base Material                       | Brass                       |
|                        | Contact Mating Area Plating Thickness (µin) | 30                          |
|                        | Contact Mating Area Plating Material        | Gold                        |
|                        |                                             |                             |
| Termination Features   | Termination Post Length                     | 3.18 mm [ .125 in ]         |
|                        | Grounding Clips                             | Without                     |
|                        |                                             |                             |
| Mechanical Attachment  | PCB Mounting Style                          | Surface Mount, Through Hole |
|                        | PCB Mount Retention                         | With                        |
|                        | PCB Mount Retention Type                    | Boardlocks                  |
|                        | Mating Connector Lock                       | With                        |
|                        | Mating Connector Lock Type                  | Threaded Inserts            |
|                        | Panel Mount Retention                       | Without                     |

|  |                                  |                  |
|--|----------------------------------|------------------|
|  | Panel Mount Retention            | Without          |
|  | Mating Retention Type            | Threaded Inserts |
|  | Boardlock Material               | Copper Alloy     |
|  | Mating Retention                 | With             |
|  | PCB Mount Alignment              | With             |
|  | Mounting Hole Diameter (mm)      | 3.18             |
|  | Boardlock Plating Material       | Tin              |
|  | Threaded Insert Material         | Zinc             |
|  | Mating Alignment                 | With             |
|  | Threaded Insert Plating Material | Clear Chromate   |

|                  |                  |               |
|------------------|------------------|---------------|
| Housing Features | Centerline (mm)  | 2.28          |
|                  | Housing Color    | Black         |
|                  | Housing Material | Thermoplastic |

|            |                             |                     |
|------------|-----------------------------|---------------------|
| Dimensions | PCB Thickness (Recommended) | 1.57 mm [ .062 in ] |
|------------|-----------------------------|---------------------|

|                  |                          |     |
|------------------|--------------------------|-----|
| Usage Conditions | High Temperature Housing | Yes |
|------------------|--------------------------|-----|

|                    |                        |          |
|--------------------|------------------------|----------|
| Industry Standards | UL Flammability Rating | UL 94V-0 |
|--------------------|------------------------|----------|

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

|                    |                                                |  |
|--------------------|------------------------------------------------|--|
| Product Compliance | <a href="#">Statement of Compliance</a><br>PDF |  |
|                    | <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>    |  |

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Relation Type

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation

25 HDE MS RCPT, 20-22,  
LEAD FREE - 1-745495-9

TE INTERNAL NUMBER: 1-745495-9

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **25**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDE (IDC) Insulation

25 HDE MS RCPT, 22-26,  
LEAD FREE - 1-745495-8

TE INTERNAL NUMBER: 1-745495-8

ALIAS ID: 4-16211-7546, AMP-1-0745495-8, D32547-000

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **25**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - PCB D-Sub Connectors  
AMPLIMITE I SL, Standard

25 MSFL RCPT RA 318  
(SL, FM, BL) - 5747846-5

TE INTERNAL NUMBER: 5747846-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Number of Positions **25**

Number of Rows **2**

Shell Size **3**

Contact Shape **Round**