



# PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

## TE CONNECTIVITY (TE) 37 RCPT RA/MS 454 AMPLIMITE | Metal Shell

5745441-4  
TE Internal Number: 5745441-4

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline (in) **.109**

Number of Positions **37**

Number of Rows **2**

Shell Size **4**

### Product Drawings

RECEPTACLE ASSEMBLY, SIZE 4, 37 POSITION, RIGHT ANGLE, .454 SERIES, .025 SQ. POSTS, AMPLIMITE HDP  
PDF  
English

### CAD Files

3D PDF  
PDF  
3D  
  
Customer View Model  
2D\_DXF.ZIP  
English  
  
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

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	<b>Receptacle</b>
Shell Size	<b>4</b>
Profile	<b>Standard</b>
PCB Mounting Orientation	<b>Right Angle</b>
Grounding Straps	<b>Without</b>

	Shell Type	<b>Full Metal Shell</b>
	Footprint	<b>11.53 mm [ .454 in ]</b>
	Grounding Indents	<b>Without</b>
	Applies To	<b>Printed Circuit Board</b>
	Sealed	<b>No</b>
	Grounded	<b>No</b>
	Product Type	<b>Connector</b>
	Shielded	<b>No</b>
<hr/>		
Configuration Features	Number of Positions	<b>37</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>
<hr/>		
Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Shell Plating Material	<b>Tin</b>
	Insert Material	<b>Thermoplastic</b>
	Shell Material	<b>Steel</b>
	Post Size	<b>.64 mm [ .025 in ]</b>
<hr/>		
Contact Features	Contact Shape	<b>Square</b>
	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Base Material	<b>Phosphor Bronze</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold Flash over Palladium Nickel, Gold</b>
<hr/>		
Termination Features	Termination Post Length	<b>3.18 mm [ .125 in ]</b>
	Grounding Clips	<b>Without</b>
<hr/>		
Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Mounting Holes</b>
	Mating Connector Lock	<b>With</b>
	Mating Connector Lock Type	<b>Mounting Screws</b>
	Panel Mount Retention	<b>Without</b>
	Mounting Hole Diameter	<b>3.05 mm [ .12 in ]</b>

Housing Features	Centerline (in)	<b>.109</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Thermoplastic</b>
Dimensions	PCB Thickness (Recommended)	<b>2.36 mm [ .093 in ]</b>
Industry Standards	Insert Flammability Rating	<b>UL 94V-0</b>
	UL Flammability Rating	<b>UL 94V-0</b>
Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>56</b>
Other	Comment	<b>All receptacles are preloaded with size 20 DF posted socket contacts</b>
Product Compliance	<a href="#">Statement of Compliance</a> PDF  <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

Products - 6 Results

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Relation Type 

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

**PLUG ASSY, 37P, HDE,**  
**MS - 1-745498-6**  
TE INTERNAL NUMBER: 1-745498-6

 Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **1.38 mm**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**

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

**KIT, PLUG, 37P, HDE,  
SHLD ENCLSRE**  
- 1-747950-5

TE INTERNAL NUMBER: 1-747950-5

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Shielded **Yes**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**



RELATIONSHIP

**Mating Products**

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - IDC D-Sub Connectors  
AMPLIMITE I HDF for Flat Ribbon Cable

**37 POS HDF PLUG, MS,  
LEAD FREE - 1658608-1**

TE INTERNAL NUMBER: 1658608-1

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **37**

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**

