+ CONNECTORS

PCB D-SUB CONNECTORS

✔ Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

09 MSFL RCPT RA 318 (IN,FM,BL)

AMPLIMITE | Standard

747844-4
TE Internal Number: 747844-4
Alias ID: 650-1042-01

Not EU RoHS or ELV Compliant
Find Compliant Alternatives

Connector Style **Receptacle**

Centerline **2.74 mm [.108 in]**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

Product Drawings

RECEPTACLE ASSEMBLY, SIZE 1, RIGHT ANGLE, .318 SERIES, FRONT METAL SHELL, .026 DIA POSTS, BOARDLOCKS, AMPLIMITE HD-20
PDF
English

CAD Files

Customer View Model
2D_DXF.ZIP
English

Customer View Model
3D_IGS.ZIP
English

Customer View Model
3D_STP.ZIP
English

3D PDF
PDF
English

Product Specifications

Product Specification

AMPLIMITE HD-20 PCB Mounted Connector
PDF
English

Application Specification

AMPLIMITE Right-Angle Front Metal Shell Connectors
PDF
English

Qualification Test Report

Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted
PDF
English

Product Environmental Compliance

TE Material Declaration

MD_747844-4_05102014144_dmtec
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	Receptacle
	Shell Size	1
	Profile	Standard
	PCB Mounting Orientation	Right Angle
	Grounding Straps	With
	Shell Type	Front Metal Shell
	Footprint	8.08 mm [.318 in]
	Grounding Indents	Without
	Applies To	Printed Circuit Board
	Sealed	No
	Grounded	Yes
	Product Type	Connector
	Shielded	Yes

Configuration Features	Number of Positions	9
	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	.66 mm [.026 in]

Contact Features	Contact Shape	Round
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Contact Base Material	Phosphor Bronze
	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	Through Hole
	PCB Mount Retention	With
	PCB Mount Retention Type	Boardlocks
	Mating Connector Lock	With
	Mating Connector Lock Type	Threaded Insert, 4-40 UNC
	Panel Mount Retention	Without
	Boardlock Material	Copper Alloy
	Mounting Hole Diameter	3.18 mm [.125 in]
	Boardlock Plating Material	Tin-Lead
	Threaded Insert Material	Zinc
	Threaded Insert Plating Material	Clear Chromate

Housing Features	Centerline	2.74 mm [.108 in]
	Housing Color	Black
	Housing Material	Thermoplastic

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

Industry Standards	UL Flammability Rating	UL 94V-0
	Approved Standards	UL E28476

Packaging Features	Packaging Method	Tray
	Packaging Quantity	130

Other	Comment	All receptacles are preloaded with size 20 DF posted socket contacts

| Product Compliance | Statement of Compliance
PDF | |
| --- | --- | --- |

VIEW ALL PRODUCT COMPLIANCE

CUSTOMERS ALSO BOUGHT

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES

MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES

PCB D-SUB CONNECTORS

PCB D-SUB CONNECTORS

25 MSEI PLUG RA 318 /IN

25 MSEI RCPT RA 318 /IN

01 MODII HDR SRST B/A .100CL

5-146285-1

20 MODII HDR DRRA SHRD .100CL

103167-7

25 MSPL PLUG RA 318 (IN, FM, BL)

747842-4

25 MSPL RCPT RA 318 (IN, FM, BL)

747846-3

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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 | HDF for Flat Ribbon Cable

09 POS HDF PLUG, MS, LEAD FREE - 1658613-4
TE INTERNAL NUMBER: 1658613-4

✔ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **9**

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 | HDF for Flat Ribbon Cable

09 POS HDF PLUG, MS, LEAD FREE - 1658608-4
TE INTERNAL NUMBER: 1658608-4

✔ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **9**

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 | HDE (IDC) Insulation

PLUG ASSY, 9P, HDE, MS - 1-745492-9
TE INTERNAL NUMBER: 1-745492-9

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Number of Positions **9**

✔ Active

Number of Rows **2**

Preloaded **Yes**

Contact Size **20**