

PCB D-SUB CONNECTORS





✓ Active



PRODUCT DRAWING



3D PDF

TE CONNECTIVITY (TE)
25 RCPT SP/MS STD

AMPLIMITE | SP

205738-3

TE Internal Number: 205738-3

Always ELV Compliant Find Compliant Alternatives

Connector Style Receptacle

Centerline (in) .108

Number of Positions 25

Number of Rows 2

Shell Size 3

Product Drawings RECEPTACLE ASSEMBLY, SIZE 3, 25 POSN, VERTICAL, AMPLIMITE HDP

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

PDF **English**

Product Specifications

Qualification Test Report

Product Specification AMPLIMITE HD-20 PCB Mounted Connector

PDF **English**

Application Specification AMPLIMITE HD-20 Straight Solder Contact Tine, Front Metal Shell, PC Board And

Panel Mount Connectors

English

Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted

PDF **English**

Product Environmental Compliance

TE Material Declaration MD_205738-3_123020141133_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.

.

Number of Rows Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size Post Size Admm[.025 in] Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold	Product Type Features	Connector Style	Receptacle
PCB Mounting Orientation Grounding Straps Without Shell Type Full Metal Shell Grounding Indents Without Applies To Printed Circuit Board Sealed No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions Shielded Yes Configuration Features Number of Rows Proloaded Yes Shield Plastic No Color Code None Shield Plasting Material Tin Shell Material Polyamide, GV Shield Material Carbon Steel Part Stre Shield Material Sheel Part Stre Shield Material Steel Part Stre Shield Material Tin our Notes Shield Material Tin Shell Material Polyamide, GV Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µn) Contact Mating Area Plating Thickness (µn) Gold Flash over Palladium Nickel, Gold Termination Features		Shell Size	3
Grounding Strapa Shell Type Full Metal Shell Grounding Indents Without Applies To Printed Circuit Board Sealed No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Post Long Admin [.025 in] Shell Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel Tin - Contact Base Material Steel Contact Rase Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Tin over Nickel Tin - Contact Base Material Tin over Nickel Tin-Lead over Nickel Contact Base Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (pin) Contact Mating Area Plating Thickness (pin) Contact Mating Area Plating Thickness (pin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold		Profile	Standard
Shell Type Grounding Indents Without Applies To Printed Circuit Board Sealed No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Roses 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Tin Shell Plating Material Tin Shell Material Potts Size .44 mm [.025 in] Shield Material Steel Contact Features Contact Features Contact Features Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Material Phosphor Bronze Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Features		PCB Mounting Orientation	Vertical
Grounding Indents Applies To Printed Circuit Board Sealed No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shield Material Carbon Steel Pest Size .44 mm [.025 in] Shield Material Steel Contact Features Contact Features Contact Hasse Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Features Termination Post Length 427 mm [.427 in]		Grounding Straps	Without
Applies To Printed Circuit Board Sealed No Grounded No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Proleaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .44 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold		Shell Type	Full Metal Shell
Sealed No Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold		Grounding Indents	Without
Grounded No Product Type Connector Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold		Applies To	Printed Circuit Board
Product Type Shielded Yes Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Insert Material Polyamide, GV Shell Material Post Size Jean Jean Jean Jean Jean Jean Jean Jean		Sealed	No
Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code Shield Plating Material Tin Shell Plating Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size J44 mm [.025 in] Shield Material Steel Contact Features Contact Features Contact Flating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Termination Features Termination Features Termination Fost Length A27 mm [.427 in]		Grounded	No
Configuration Features Number of Positions 25 Number of Rows 2 Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Features Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Features Termination Post Length .427 mm [.427 in]		Product Type	Connector
Number of Rows Preloaded Presonated Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Features Termination Fost Length A27 mm [.427 in]		Shielded	Yes
Number of Rows Preloaded Presonated Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Features Termination Fost Length A27 mm [.427 in]			
Preloaded Yes Body Features Plastic No Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold	Configuration Features	Number of Positions	25
Body Features Plastic Color Code None Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length A27 mm [.427 in]		Number of Rows	2
Color Code Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Preloaded	Yes
Color Code Shield Plating Material Tin Shell Plating Material Zinc Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]			
Shield Plating Material Shell Plating Material Insert Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]	Body Features	Plastic	No
Shell Plating Material Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Color Code	None
Insert Material Polyamide, GV Shell Material Carbon Steel Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Shield Plating Material	Tin
Shell Material Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Shell Plating Material	Zinc
Post Size .64 mm [.025 in] Shield Material Steel Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (μin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Insert Material	Polyamide, GV
Shield Material Contact Features Contact Shape Square Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Shell Material	Carbon Steel
Contact Features Contact Shape Solder Tail Contact Plating Material Tin over Nickel, Tin-Lead over Nickel Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (μin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length 427 mm [.427 in]		Post Size	.64 mm [.025 in]
Solder Tail Contact Plating Material Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Shield Material	Steel
Solder Tail Contact Plating Material Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (μin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]			
Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (μin) 30 Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]	Contact Features	Contact Shape	Square
Contact Mating Area Plating Thickness (μin) Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Solder Tail Contact Plating Material	Tin over Nickel, Tin-Lead over Nickel
Contact Mating Area Plating Material Gold Flash over Palladium Nickel, Gold Termination Features Termination Post Length .427 mm [.427 in]		Contact Base Material	Phosphor Bronze
Termination Features Termination Post Length .427 mm [.427 in]		Contact Mating Area Plating Thickness (µin)	30
		Contact Mating Area Plating Material	Gold Flash over Palladium Nickel, Gold
Grounding Clips Without	Termination Features		
		Grounding Clips	Without

Mechanical Attachment **Through Hole** PCB Mounting Style Without PCB Mount Retention Mating Connector Lock Without Without Panel Mount Retention .12 Mounting Hole Diameter (in) Centerline (in) .108 Housing Features Housing Color Black **PBT GF** Housing Material Dimensions PCB Thickness (Recommended) (mm) 1.57, 2.36 PCB Thickness (Recommended) (in) .062, .093 **UL 94V-0** Industry Standards Insert Flammability Rating UL Flammability Rating UL 94V-0 Approved Standards **UL E28476** Packaging Features Packaging Method Tube Packaging Quantity 10 **Product Compliance** Statement of Compliance

VIEW ALL PRODUCT COMPLIANCE

Products - 9 Results



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 25 POS HDF PLUG, MS,

LEAD FREE - 1658608-2 TE INTERNAL NUMBER: 1658608-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style Plug

Number of Positions 25

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, 25P, HDE, SHLD HDWRE - 747547-8 TE INTERNAL NUMBER: 747547-8

. A Ambiro

Always EU RoHS/ELV Compliant

Connector Style Plug

Shielded **Yes**

Centerline 1.38 mm

Number of Positions 25

Number of Rows 2

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, 25P, HDE, MS - 1-745496-9
TE INTERNAL NUMBER: 1-745496-9

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline 1.38 mm

Number of Positions 25

Number of Rows 2

Preloaded **Yes**



