

PCB D-SUB CONNECTORS





TE CONNECTIVITY (TE) 09 MSFL RCPT RA 318 (IN,FM) AMPLIMITE | Standard

745781-4 TE Internal Number: 745781-4

Not EU RoHS or ELV Compliant Find Compliant Alternatives Connector Style **Receptacle** Centerline (in) **.108** Number of Positions **9** Number of Rows **2**

Shell Size 1

| Product Drawings | RCPT ASSY, SIZE 1, 9 POSN, RTANG, AMPLIMITE TM PDF English |
|---------------------------|--|
| CAD Files | 3D PDF PDF English |
| | Customer View Model |
| | 2D_DXF.ZIP English |
| | Customer View Model |
| | 3D_IGS.ZIP English |
| | Customer View Model |
| | 3D_STP.ZIP English |
| Product Specifications | |
| Product Specification | AMPLIMITE HD-20 PCB Mounted Connector |
| Application Specification | English AMPLIMITE Right-Angle Front Metal Shell Connectors PDF |
| Qualification Test Report | English Connector, AMPLIMITE HD-20, Printed Circuit Board Mounted |
| | PDF English |

Product Environmental Compliance

TE Material Declaration

MD_745781-4_05282015435_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.

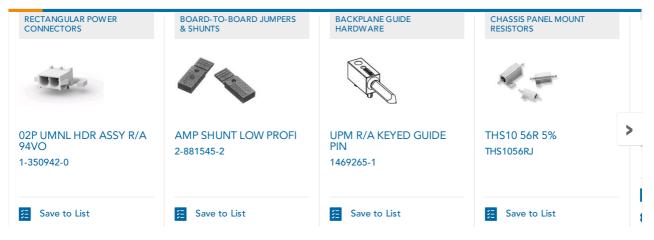
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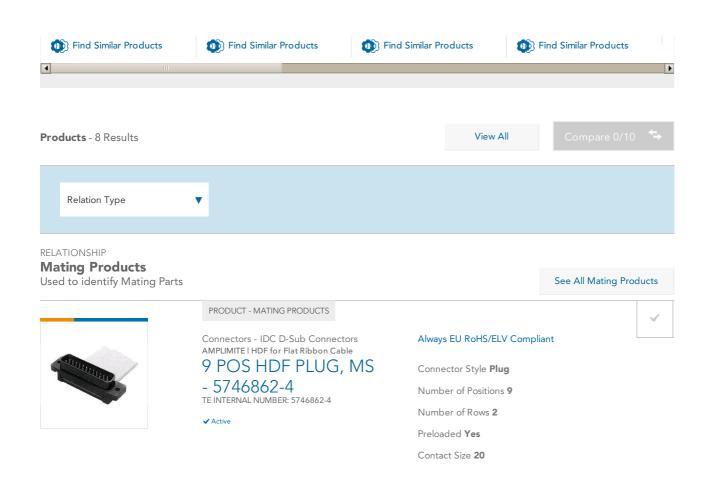
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| PCB Mounting OrientationFight AngleGrounding StrapsWithGrounding StrapsFoot March ShallGrounding IndentsGoom (.318 n.]Grounding IndentsWithoutApple OProduct TypeCarefiguration FronturesNumber of FootionsCarefiguration FronturesNumber of FootionsCarefiguration FronturesProduct TypeCarefiguration FronturesNumber of FootionsCarefiguration FronturesPlasticCarefiguration FronturesNumber of FootionsCarefiguration FronturesPlasticCarefiguration FronturesNumber of FootionsCarefiguration FronturesPlasticCarefiguration FronturesNumber of FootionsCarefiguration FronturesPlasticCarefiguration FronturesNumber of FootionsCarefiguration FronturesNumber of FootionsCarefiguration FronturesNumber of FootionsCarefiguration FronturesNoneCarefiguration FootionsStealCarefiguration Footio | | Shell Size | 1 |
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| Food Heat Shell TypeFrom Metal ShellFood rint60 smm [318 in]Food rint60 smm [318 in]Apples ToMithoutApples ToFood Circuit BoordPaduel TypeConnectorConfiguration FeaturesNumber of FootionsPaleoded9Sody FeaturesPalesicPaleodedNoPaleodedNoSody FeaturesPalesicPaleodedNoPaleoded <td></td> <td>PCB Mounting Orientation</td> <td>Right Angle</td> | | PCB Mounting Orientation | Right Angle |
| IncompleteFocuprieriSoft ami [31 Si n]Grounding IndentsWithoutApplies ToNoSealedNoProduct TypeConnectorConfiguration FeaturesNumber of Pastions9Number of Pastions2PreloadedYesSold PreturesPlasticNoneEveloadedNone1Shell Plating MaterialTinShell Plating MaterialStelInsert MaterialStelShell Plating MaterialStelShell Plating MaterialStelShell Plating MaterialStelShell Plating MaterialStelShell Plating MaterialStelShell MaterialStelContext ShapeStelSolder Tail Context Plating MaterialTinContext MaterialContext MaterialContext Mating Area Plating MaterialTinContext Mating Area Plating MaterialTinContext Mating Area Plating MaterialGotFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesTermination Plating MaterialFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesStelman Plating MaterialFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesContext Mating Area Plating MaterialFermination FeaturesStel Ste | | Grounding Straps | With |
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| Applies To Printed Circuit Board Sealed No Configuration Features Number of Positions 9 Auber of Rowa 2 Preloaded Yer Body Features Plastic No Color Code None Eyeler Plating Material To Insert Material To Insert Material Steel Shell Plating Material Steel Eyeler Plating Material To Insert Material Steel Eyeler Material Steel Eyeler Tail Contact Material Steel Eyeler Tail Contact Shape Resund Solder Tail Contact Plasting Material To Contact Shape Scotaret Shape Solder Tail Contact Plasting Material To Contact Mating Area Plating Material Solder Tail Contact Material Contact Mating Area Plating Material Solder Contact Mating Area Plating Thickness (sin) Solder Contact Mating Area Plating Thicknes (sin) Solder Contact Mating Area Plating Thicknes (sin) Solder Contact M | | Footprint | 8.08 mm [.318 in] |
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| PreloadedPreloadedYesBody FeaturesPlasticNoClor CodeNoneEyeler Plating MaterialTnInsert MaterialSteelInsert MaterialSteelEyelet MaterialSteelEyelet MaterialBrassEyelet MaterialFarsaEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialBrassEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialSteelEyelet MaterialContact ShapeContact Base MaterialTnContact Mating Area Plating Thickness (µn)SolderContact Mating Area Plating Thickness (µn)SolderEremination FeaturesTermination Post Length Grounding ClipsStemp 1.25 in]WithoutSteelSteelEyelet MaterialSteelSteelEyelet MaterialS | Configuration Features | Number of Positions | 9 |
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| Color CodeNoneEyelet Plating MaterialTnShell Plating MaterialTnInsert MaterialZincShell MaterialSteelEyelet MaterialBrassEyelet MaterialGoract ShapePost SizeContact Plating MaterialSolder Tail Contact Plating MaterialTinContact MaterialContact MaterialContact MaterialTinContact MaterialPosspher BronzeContact Mating Area Plating MaterialGoldContact Mating Area Plating MaterialGoldContact Mating Area Plating MaterialGoldTermination FeaturesErmination Post Length Grounding ClipsSilem [.125 in] WithoutWethanical AttachmentPCB Mounting StyleTincugh Hole | | Preloaded | Yes |
| Eyelet Plating MaterialTinShell Plating MaterialTinInsert MaterialZincInsert MaterialSteelShell MaterialBrassEyelet MaterialBrassEyelet MaterialContact ShapeContact ShapeRoundSolder Tail Contact Plating MaterialTinContact Mating Area Plating Thickness (µin)30Contact Mating Area Plating MaterialGoldTermination FeaturesTermination Post Length Grounding ClipsS18 mm [.125 in] WithoutWethanical AttachmentPCB Mounting StyleThrough Hele | Body Features | Plastic | No |
| Shell Plating MaterialTinInsert MaterialZincShell MaterialSteelEylet MaterialBrassPost Sizeoform [.026 in]Contact FeaturesContact ShapeSolder Tail Contact Plating MaterialTinContact Mating Area Plating Thickness (µin)DotContact Mating Area Plating Thickness (µin)SolderTermination FeaturesTermination Post LengthSlamm [.125 in]Wethanical AttachmentPCB Mounting StyleTincught Hole | | Color Code | None |
| Insert Material insert Materia | | Eyelet Plating Material | Tin |
| Shell MaterialSteelEyelet MaterialBrassPost SizeContact FeaturesContact ShapeRoundSolder Tail Contact Plating MaterialTinContact Mating Area Plating Thickness (µi)30Contact Mating Area Plating MaterialGoldTermination FeaturesTermination Post Length Grounding Clips318 mm [.125 in] WithoutWechanical AttachmentPCB Mounting StyleThrough Hole | | Shell Plating Material | Tin |
| Eyelet Material Brass Post Size .66 mm [.026 in] Contact Features Contact Shape Round Solder Tail Contact Plating Material Tin 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] Wechanical Attachment PCB Mounting Style Through Hole | | Insert Material | Zinc |
| Post Size | | Shell Material | Steel |
| Contact Features Contact Shape Round Solder Tail Contact Plating Material Tin Contact Base Material Phosphor Bronze Contact Mating Area Plating Thickness (µin) 30 Contact Mating Area Plating Material Gold Fermination Features Termination Post Length 3.18 mm [.125 in] Grounding Clips Without PCB Mounting Style Through Hole | | Eyelet Material | Brass |
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| Contact Mating Area Plating MaterialGoldTermination FeaturesTermination Post Length3.18 mm[.125 in]Grounding ClipsWithoutMechanical AttachmentPCB Mounting StyleThrough Hole | | Contact Base Material | Phosphor Bronze |
| Termination Features Termination Post Length 3.18 mm [.125 in] Grounding Clips Without Mechanical Attachment PCB Mounting Style Through Hole | | Contact Mating Area Plating Thickness (µin) | 30 |
| Grounding Clips Without Mechanical Attachment PCB Mounting Style Through Hole | | Contact Mating Area Plating Material | Gold |
| Mechanical Attachment PCB Mounting Style Through Hole | Termination Features | Termination Post Length | 3.18 mm [.125 in] |
| | | Grounding Clips | Without |
| PCB Mount Retention With | Mechanical Attachment | PCB Mounting Style | Through Hole |
| | | PCB Mount Retention | With |

| | PCB Mount Retention Type | Mounting Holes |
|--------------------|----------------------------------|---|
| | Mating Connector Lock | With |
| | Mating Connector Lock Type | Threaded Insert, 4-40 UNC |
| | Panel Mount Retention | Without |
| | Mating Retention | With |
| | Mounting Hole Diameter | 3.18 mm [.125 in] |
| | Threaded Insert Material | Zinc |
| | Threaded Insert Plating Material | Clear Chromate |
| Housing Features | Centerline (in) | .108 |
| Housing realures | | |
| | Housing Color | Black |
| | Housing Material | Thermoplastic |
| Dimensions | PCB Thickness (Recommended) | 2.36 mm [.093 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





RELATIONSHIP **Mating Products** Used to identify Mating Parts See All Mating Products PRODUCT - MATING PRODUCTS Connectors - IDC D-Sub Connectors Always EU RoHS/ELV Compliant AMPLIMITE | HDE (IDC) Insulation PLUG ASSY, 9P, HDE, MS Connector Style Plug - 1-745492-9 Number of Positions 9 TE INTERNAL NUMBER: 1-745492-9 Number of Rows 2 ✓ Active Preloaded Yes Contact Size 20



Contact Size **20**

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