

25 MSFL RCPT RA 318 (SL,FM)

✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Part # 5745783-6

TE Internal #: 5745783-6

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Connectors > D-Shaped Connectors > D-Sub Connectors > PCB D-Sub Connectors



Connector Style: **Receptacle**

Connector System: **Board-to-Board**

Number of Positions: **25**

Centerline (Pitch): **2.77 mm [.109 in]**

Number of Rows: **2**

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	With
Footprint	8.08 mm[.318 in]
Shell Type	Front Metal Shell
Connector Style	Receptacle
Connector System	Board-to-Board
Row-to-Row Spacing	.112 in, 2.84 mm
Shell Size	3
Profile	Standard
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	25
Number of Rows	2



PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Eyelet Material	Brass
Eyelet Plating Material	Tin
Female Screwlock Material	Zinc
Plastic	No
Insert Material	Zinc
Female Screwlock Plating Material	Clear Chromate
Shell Plating Material	Tin
Shell Material	Carbon Steel
Post Size	.66 mm[.026 in]

Contact Features

PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Shape	Round
Contact Current Rating (Max)	6 A
	30 μin
Contact Mating Area Plating Material	Gold

Termination Features

Grounding Clips	Without
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mounting Style	Through Hole
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Connector Lock	With
Mating Connector Lock Type	Female Screwlocks, Fixed
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Screw



Mounting Hole Diameter	3.18 mm[.125 in]
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Housing Features

Centerline (Pitch)	2.77 mm[.109 in]
Housing Material	Thermoplastic

Dimensions

PCB Thickness (Recommended)	1.58 mm[.062 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tray
Packaging Quantity	65

Other

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

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） SvHCs候选清单的声明更新至: 2019年1月（197）
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer



This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



D-Sub Contact Accessories
(1)



IDC D-Sub Connectors(9)



PCB D-Sub Connectors(5)

Also in the Series | **AMPLIMITE HD-20**



Board-to-Board Connector
Contacts(1)



PCB D-Sub Connectors
(353)

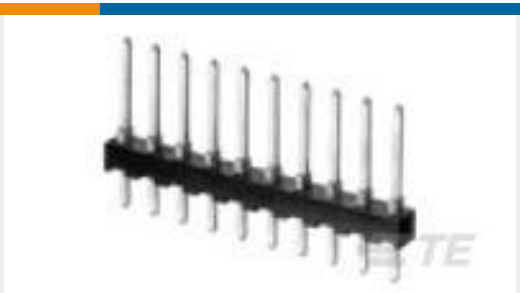
Customers Also Bought



TE Part #5745781-6
09 MSFL RCPT RA 318 (SL, FM)



TE Part #5747238-6
25 MSFL PLUG RA 318 (SL, FM)



TE Part #87220-3
03 MODII HDR SRST
UNSHRD .100



TE Part #1-1761608-1
IDC LOW PRO HDR 34P
VERT SHT L

25 MSFL RCPT RA 318 (SL,FM)

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TE Internal #: 5745783-6



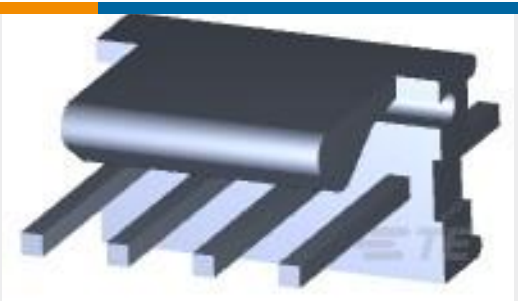
TE Part #5-146281-3
03 MODII HDR SRST B/A
LF



TE Part #103309-6
026 LOPRO HDR SP 30DP



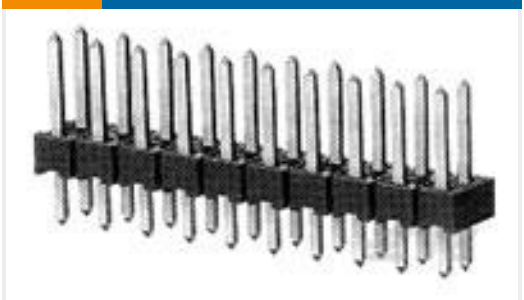
TE Part #5745782-6
15 MSFL RCPT RA 318 (SL,
FM)



TE Part #641215-4
04P MTA100 HDR ASSY FL
/ST 30AU



TE Part #5767057-3
MICT,495,PLUG,114,PDNI



TE Part #5-146256-5
10 MODII HDR DRST B/A .
100CL L

Documents

Product Drawings

25 MSFL RCPT RA 318 (SL,FM)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5745783-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5745783-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5745783-6_A.3d_stp.zip

English

Datasheets & Catalog Pages

AMPLIMITE Subminiature D Connectors - Right-Angle Posted Connectors

English

Product Environmental Compliance

TE Material Declaration

English