



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



Connector & Housing Type: **Plug**  
Connector System: **Board-to-Board**  
Number of Positions: **9**  
Centerline (Pitch): **2.74 mm [ .108 in ]**  
Number of Rows: **2**

Features

Product Type Features

Grounding Indents	With
Grounding Straps	With
Footprint	8.08 mm[.318 in]
Shell Type	Front Metal Shell
Connector & Housing Type	Plug
Connector System	Board-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Right Angle
Preloaded	Yes

Body Features

Eyelet Material	Brass
Eyelet Plating Material	Tin



Plastic	No
Connector Profile	Standard
Shell Plating Material	Tin over Copper
Shell Material	Carbon Steel
	.013 in

Contact Features

Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
	30 µin

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Threaded Insert Material	Zinc
Threaded Insert Plating Material	Clear Chromate
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention	With
Mating Retention Type	Threaded Inserts
Connector Mounting Type	Board Mount
Boardlock Plating Material	Tin over Nickel
Boardlock Material	Copper Alloy
	.125 in

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Nylon, Thermoplastic
Housing Color	Black



Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

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	130

Product Compliance

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

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (13% in Component Part)
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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

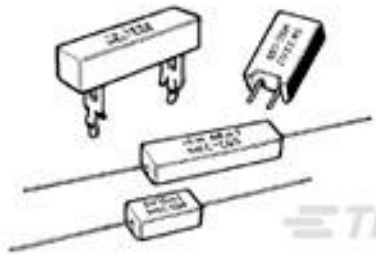


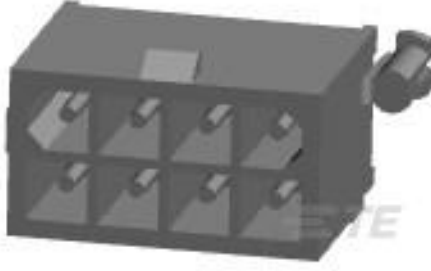


will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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

 <p>TE Model / Part # 1-747943-6 KIT,RCPT,9P,HDE,SHLD ENCLSRE</p>	 <p>TE Model / Part # 1-745491-9 RCPT ASSY,9P,HDE,MS</p>	 <p>TE Model / Part # 5746861-4 9 POS HDF RCPT, MS</p>	 <p>TE Model / Part # 3-1393483-8 V42254A1115B209=SUB D FEDERLEI</p>
 <p>TE Model / Part # 1-745491-6 09 HDE MS RCPT,26-30,LEAD FREE</p>	 <p>TE Model / Part # 1658612-4 09 POS HDF RCPT, MS, LEAD FREE</p>	 <p>TE Model / Part # 747516-7 09 POS HDF RCPT, MS, LEAD FREE</p>	 <p>TE Model / Part # 1658610-4 09 POS HDF RCPT, MS, LEAD FREE</p>
 <p>TE Model / Part # 1-745491-7 09 HDE MS RCPT,22-26,LEAD FREE</p>	 <p>TE Model / Part # 1-747943-5 KIT,RCPT,9P,HDE,SHLD ENCLSRE</p>		

Customers Also Bought

 <p>TE Model / Part #2-1623788-2 SQM5 R15 5% (WIRE)</p>	 <p>TE Model / Part #3-647116-5 05P MTA100 HDR HT FL 30AU LF</p>	 <p>TE Model / Part #745928-2 25 RCPT ACT PIN/MS MED SCRLK</p>	 <p>TE Model / Part #794073-2 08P MINI UMNL HDR W/O DH AU</p>
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TE Model / Part #643412-3  
02P UMNL HDR ASSY POL LF

TE Model / Part #103765-5  
05 MODII HDR SRRA B/A .100CL

TE Model / Part #5-87577-7  
20 MODII HDR DRRA SHRD LF

TE Model / Part #532828-8  
HDI STATIC CHRGE GDE PIN PLTD

TE Model / Part #5352352-1  
Z-PACK TYPE A 100P MALE HEADER

TE Model / Part #747715-2  
37 RCPT ACT PIN/MS MED SCRLK

Documents

Product Drawings

09 HTMSFL PLUG RA 318 (IN,BL)

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_788792-1\_F\_c-788792-1-f.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_788792-1\_F\_c-788792-1-f.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_788792-1\_F\_c-788792-1-f.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English