

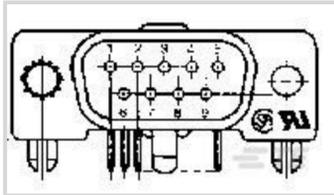
**AMPLIMITE**

TE Internal #: 5745001-2

TE Internal Description: HDJ PLUG 9P RA 590

[View on TE.com >](#)

Connectors &gt; D-Shaped Connectors



Number of Positions: 9

Connector & Housing Type: **Plug**Connector System: **Board-to-Board**Connector Mounting Type: **Panel Mount & Board Mount**

Connector Shell Size: 1

**Features****Product Type Features**

Shell Material Configuration	All Plastic
Connector & Housing Type	Plug
Connector System	Board-to-Board
Connector Shell Size	1
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

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

**Body Features**

Primary Product Color	Black
Connector Profile	Standard

**Contact Features**

	30 $\mu$ m
Contact Underplating Material	Palladium Nickel
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin
Contact Shape & Form	Square

Contact Current Rating (Max)	6 A
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Contact Options	Installed
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### Termination Features

Termination Method to PCB	Through Hole - Solder
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Termination Post & Tail Length	3.18 mm[.125 in]
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Square Termination Post & Tail Dimension	.63 mm[.025 in]
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### Mechanical Attachment

	.125 in
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Connector Mounting Type	Panel Mount & Board Mount
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PCB Mount Retention	With
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PCB Mount Retention Type	Boardlock
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Mating Retention	Without
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### Housing Features

Housing Material	Thermoplastic
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Centerline (Pitch)	2.74 mm[.108 in]
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### Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Row-to-Row Spacing	2.84 mm[.112 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-2
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### Packaging Features

Packaging Quantity	17
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Packaging Method	Tube
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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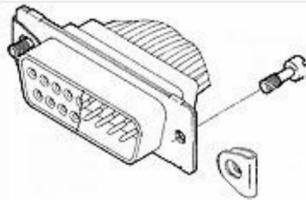


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Customers Also Bought



TE Part #211883-5  
SCREW RETAINER KIT,AMPLITE



TE Part #2-1393237-8  
RT424012F



TE Part #6-1879354-7  
RR03 5% 180R AMMO



TE Part #5747840-4  
HD-20 PLUG RA .318 FMS BD-LK 4



TE Part #5747844-4  
09 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #5747846-4  
25 MSFL RCPT RA 318 (IN,FM,BL)



TE Part #6609116-3  
6EHG1-2=F7704 S0

### Documents

[Product Drawings](#)  
[HDJ PLUG 9P RA 590](#)



English

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**CAD Files**

**3D PDF**

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5745001-2\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5745001-2\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5745001-2\\_A.3d\\_stp.zip](#)

English

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**Product Specifications**

**Application Specification**

English

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**Agency Approvals**

**UL Report**

English