



Connectors > Rectangular Connectors > Connector Contacts



Contact Type: **Receptacle**

Contact Mating Area Plating Material: **Gold**

Wire Contact Termination Area Plating Material: **Nickel**

Operating Voltage: **250 VDC, 600 VDC**

## Features

### Product Type Features

Barrel Type	Open Barrel
Discrete Wire Type	Stranded
Glow Wire Rating	Standard Part - Not Glow Wire
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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### Electrical Characteristics

Operating Voltage	250 VDC, 600 VDC
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### Contact Features

Underplate Material Thickness	1.27 $\mu\text{m}$ [50 $\mu\text{in}$ ]
Contact Mating Area Plating Thickness	.38 $\mu\text{m}$ [15 $\mu\text{in}$ ]
Contact Underplating Material	Nickel



Contact Type	Receptacle
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Contact Mating Area Plating Material	Gold
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Wire Contact Termination Area Plating Material	Nickel
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Contact Retention Within Housing	With
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Contact Base Material	Copper Alloy
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Contact Current Rating (Max)	3 A
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#### Termination Features

Termination Method to Wire & Cable	Crimp
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#### Mechanical Attachment

Contact Retention Type Within Housing	Spring
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#### Dimensions

Accepts Wire Insulation Diameter Range	1.08 – 1.6 mm [.043 – .063 in]
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Wire Size	28 – 22 AWG
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#### Usage Conditions

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

Circuit Application	Power, Signal
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#### Identification Marking

Wire Range Mark	M
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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
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not reviewed for solder process capability
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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>

### Compatible Parts



TE Part # 2-2151082-1  
OCEAN\_2.0\_APPLICATOR-S-046F057F



TE Part # 2151082-1  
OCEAN\_2.0\_APPLICATOR-S-046F057F



TE Part # 2151082-2  
OCEAN\_2.0\_APPLICATOR-S-046F057FA



TE Part # 2323787-1  
EXTRACTION TOOL FOR HD1



TE Part # 7-2151082-1  
OCEAN\_2.0\_APPLICATOR-S-046F057F




TE Part # 7-2151082-2  
OCEAN\_2.0\_APPLICATOR-S-046F057FA




TE Part # 7-2151082-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-046F057F


### Also in the Series | HDC HD



Connector Contacts(24)



Insertion & Extraction Tools(5)



Rectangular Contact Inserts(44)

### Customers Also Bought



TE Part #174984-2  
ECONOSEAL, CONNECTOR  
HOUSING



TE Part #176276-1  
AMP UNIVERSAL POWER PLUG 9P



TE Part #1-1827872-1  
Header Assembly: Wire-to-Board, 3A,  
gold or Tin plated



TE Part #176280-1  
UNIV POWER PLUG HSG 18P F/H



TE Part #240345J001  
V2-10.0-0-FSP-SM



TE Part #T2120865101-000  
HK-HDW3/1/1-23/16/47-M



TE Part #T2120865201-000  
HK-HDW3/1/1-23/16/47-F

## Documents

### Product Drawings

#### HD1 REC CONTACT AU0.38 M SIZE

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2316670-2\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2316670-2\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2316670-2\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

#### HEAVY DUTY CONNECTORS

English

#### HDC Dynamic Connector

#### HDC Dynamic Connector

Japanese

#### HDC Dynamic Connector

English



## Product Specifications

### HD1 contacts

English

### Product Specification

English

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## Product Environmental Compliance

### Product Compliance

English

### Product Compliance

English