# DT06-6S-EP04 ACTIVE

#### DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S-EP04 Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Plug Connectors



Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.59 mm [.063 in ]

Connector System: Wire-to-Wire

Number of Positions: 6

Centerline (Pitch): 9.12 mm [.359 in ]

All DEUTSCH DT Plug Connectors (173)

### Features

### Product Type Features

Connector Shape

Connector & Housing Type

Rectangular

Housing for Female Terminals

Connector System	Wire-to-Wire			
Sealable	Yes			
Hybrid Connector	No			
Primary Locking Feature	Integrated in Housing			
Connector & Contact Terminates To	Wire & Cable			
Configuration Features				
Blank Cavity Position	0			
Number of Positions	6			
Number of Rows	2			
Electrical Characteristics				
Operating Voltage	250 VAC			
Nominal Voltage Architecture	12 V, 24 V, 48 V			
Body Features				
Cable Exit Angle	180°			
Primary Product Color	Gray			

**C** For support call+1 800 522 6752

Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT



### **Contact Features**

Terminal Position AssuranceYesTerminal Position AssuranceYesStrain RollefAdd By AccessoryMating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GFCentraline (Pitch)PA GFDenotor HeightPA GFProduct Length243 mm[.946 in]Product Length203 mm[.926 in]Row-to-Row Spacing243 mm[.1268 in]Compatible Insulation Diameter Range23.3.48 mm[.088145 in]Operating Temperature (Max)128 °C[.957 °F]Operating Temperature Range55 - 125 °C[.67 - 257 °F]Operating Temperature Range90 wer & SignalCrucit ApplicationPower & SignalMattry StandardsPower & SignalAgercy/StandardPA (PAGKSKAgercy/StandardSE .12030		
Contact Current Rating (Max)13 ARechanical AttachmentYesImminal Position AssuranceVesStrain ReliafAdd By AccessoryMaing Alignment TypePolarizedMaing AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Housing MaterialPA GFCenterline (Pitch)2.12 mm[.359 in]Connector Height2.403 mm[.924 in]Product Hoght2.033 mm[.924 in]Product Height2.21 mm[.1268 in]Product Length3.221 mm[.1268 in]Row-LorRow Specing2.23 - 3.68 mm[.088 - 1.45 in]Porduct Length2.93 - 3.68 mm[.088 - 1.45 in]Compatible Insulation Diameter Range2.95 - 2(Fa/ - 9.57 °F]Operating Lemperature (Max)Prover & SignalChourt ApplicationProver & SignalChourt ApplicationProver & SignalPrese of ProtectionMark SignalAgency/StandardSize PostUL Frammability RatingSize PostPackaging FeaturesProver & Signal Cull 1.49Packaging FeaturesProver & Signal Cull 1.49	Contact Type	Socket
Webanical Attachment         Yes           Terminal Position Assurance         Yes           Strain Relief         Add By Accessory           Mating Alignment Type         Pelarized           Mating Alignment Type         Wth           Connector Mounting Type         Gable Mount (Tree Hanging)           Housing Material         PA GF           Connector Mounting Type         PA GF           Housing Material         PA GF           Connector Mounting Type         Mth           Posing Material         PA GF           Connector Medital         PA GF           Contention (Pitch)         2010 multifysein)           Product Relight         PA GF           Product Relight         PA GF           Product Relight         PA GF           Product Relight         PA GF           Product Relight         Patient/Patiention           Product Relight         Patient/Patiention           Rewer Position Fromerature Range         Patient/Patiention           Porerating Pemperature Range         Patient Patiention           Porerating Pemperature Range         Patient Patiention           Porerating Pemperature Range         Patient Patiention           Porerating Pemperature Range         Patien Patient Patie	Mating Pin Diameter	1.59 mm[.063 in]
Terminal Position AssuranceYesTerminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GFCerterline (Pitch)PA GFConnector HeightAdd sm (Jago smill)Poduct Length2.403 mm (Jado smill)Product Worth2.083 mm (Jado smill)Product Length2.21 mm (Jado smill)Row to Row Spacing4.45 mm (Jado smill)Operating Temperature (Max)1.25 CIP57 *FIOperating Temperature (Max)5.5 - 125 °C (For - 257 *FIOperating Temperature Range- Soland Smill)Operating Temperature RangeSignal CallOperating Temperature (Max)Product SignalOperating Temperature RangeSignal CallOperating T	Contact Current Rating (Max)	13 A
Strain Relief         Add By Accessory           Mating Alignment Type         Polarized           Mating Alignment         With           Connector Mounting Type         Cable Mount (Free-Hanging)           Housing Features         Polarized           Housing Material         PA GF           Connector Housting Type         Polarized           Housing Material         Polarized           Connector Height         Polarized           Connector Height         Polarized           Connector Height         24.03 mm (Pdei m)           Product Width         20.33 mm (Pdei m)           Product Length         20.33 mm (Pdei m)           Row-ta-Row Spacing         Add Smm (Pdei m)           Row-ta-Row Spacing         23.24.63 mm (Pdei m)           Operating Hemperature (Max)         23.24.63 mm (Pdei m)           Operating Temperature Range         55.125 Cl-G7.257 F]           Creating Jemperature Range         Sci 125 Cl-G7.257 F]           Creating Lemperature Range         Polarized Range (Pdei M)           Carting Application         Polarized R	Mechanical Attachment	
Mating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Housing FeaturesCable Mount (Free Hanging)Housing MaterialPA GFCenterline (Pitch)9.12 mm[.359 in]DimensionsConnector HeightConnector Height20.83 mm[.482 in]Product Width20.83 mm[.482 in]Product Length32.21 mm[1.268 in]Row to Row Spacing4.45 mm[.175 in]Compatible Insulation Diameter Range2.73 - 3.68 mm[.088145 in]Operating Temperature (Max)1.25 °C[.67 - 257 °F]Operating Temperature Range- 55 - 125 °C[-67 - 257 °F]Operating Temperature Range- S5 - 125 °C[-67 - 257 °F]Operating Temperature RangePower & SignalIndustry Standards- StandardsPegree of ProtectionPoke R SignalAgancy/Standard21 POS0UL Flammability Rating21 POS0Packaging Features- Standard UL-94Packaging Cuantity800	Terminal Position Assurance	Yes
Mating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPA GFContection (Pitch)PA GFConnector HeightPA GFConnector Height24.03 mm[.946 in]Product Width20.83 mm[.82 in]Product Width20.83 mm[.82 in]Product Length32.11 mm[.175 in]Row-to-Row Spacing4.45 mm[.175 in]Compatible Insulation Diameter Range23.3 A8 mm[.088 = .145 in]Jage Conditions15 °C [257 °F]Operating Temperature Range15 °C [257 °F]Operating Temperature Range-5 - 125 °C [-6 - 257 °F]Circuit ApplicationPower & SignalOperating Temperature RangePower & SignalCircuit ApplicationPower & SignalPagree of ProtectionPoke, IP6K PKAgency/StandardSAE J2030Ut Flammability Rating12mm Flame Test per Standard UL-94Packaging Duantity800	Strain Relief	Add By Accessory
Connector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPA GFHousing MaterialPA GFConterline (Pitch)9.12 mm(.359 in]Connector Height20.03 mm(.946 in]Product Width0.83 mm(.82 in]Product Width20.33 mm(.82 in]Product Length32.21 mm(1.268 in]Row to Row Spacing4.45 mm(.175 in]Compatible Insulation Diameter Range2.23 – 3.68 mm(.088 – 1.45 in]Jage Conditions125 °C[57 °F]Operating Temperature (Max)195 °C[57 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operating Temperature RangePower & SignalCircuit ApplicationPower & SignalIndutt StandardsPower & SignalOperation ProtectionPower & SignalIndutty StandardSA [2030U. Flammability Rating12mm Flame Test per Standard UL-94Packaging Guantity800	Mating Alignment Type	Polarized
Housing Features         PA GF           Housing Material         PA GF           Centerline (Pitch)         9.12 mm(.359 in]           Dimensions         2000           Connector Height         24.03 mm(.946 in]           Product Width         20.83 mm(.82 in]           Product Length         20.13 mm(.82 in]           Row-to-Row Spacing         32.11 mm(.1268 in]           Compatible Insulation Diameter Range         23 - 3.68 mm(.086145 in]           Operating Temperature (Max)         125 °C[767 °F]           Operating Temperature Range         55 - 125 °C[-67 - 257 °F]           Operating Temperature Range         Power & Signal           Cruit Application         Power & Signal           Pagree of Protection         Power & Signal           Agency/Standard         SA J2030           UF Hammability Rating         Mm Fame Test per Standard UT 94	Mating Alignment	With
Housing MaterialPA GFHousing MaterialPA GFCenterline (Pitch)9.12 mm[.359 in]Demensions24.03 mm[.946 in]Connector Height20.83 mm[.82 in]Product Width20.83 mm[.82 in]Product Length32.21 mm[1.268 in]Row to Row Spacing2.23 - 3.68 mm[.088145 in]Compatible Insulation Diameter Range2.23 - 3.68 mm[.088145 in]Jage Conditions2.25 °C[57 °F]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 - 125 °C[-67 - 257 °F]Operating Temperature RangePower & SignalOperating StandardSAE J2030Operating Temperature RangePitch Pitch	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch)9.12 mm[.359 in]Connector Height4.03 mm[.946 in]Product Width20.83 mm[.82 in]Product Length32.21 mm[1.268 in]Row to Row Spacing4.45 mm[.175 in]Compatible Insulation Diameter Range2.23 – 3.68 mm[.088 – .145 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature (Max)55 – 125 °C[-67 – 257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operating Temperature RangePower & SignalOperating Temperature RangePower & Signal <td>Housing Features</td> <td></td>	Housing Features	
DensionsConnector Height4.03 mm [946 in]Product Width0.083 mm [82 in]Product Length3.21 mm [1.668 in]Row-to-Row Spacing4.45 mm [1.75 in]Compatible Insulation Diameter Range2.32 - 3.68 mm [0.88145 in]Jage Conditions2.32 - 3.68 mm [0.88145 in]Joperating Temperature (Max)1.52 C(2.57 °F]Operating Temperature Range5.5 - 125 °C[-6.7257 °F]Operating Temperature RangeSover & SignalOperating Temperature RangePower & SignalOperation ApplicationSover & SignalOperation ApplicationPower & SignalOperation ApplicationSignalOperation ApplicationSignal<	Housing Material	PAGF
Connector Height24.03 mm[.94.6 im]Product Width20.83 mm[.82.1 im]Product Length32.21 mm[.126.8 im]Now-to-Row Spacing4.45 mm[.175 im]Row-to-Row Spacing2.23 - 3.68 mm[.088145 im]Compatible Insulation Diameter Range2.3 - 3.68 mm[.088145 im]Jage Conditions5.5 - 125 °C[-67 - 257 °F]Operating Temperature Range5.5 - 125 °C[-67 - 257 °F]Operating Temperature RangePower & SignalOperation/ApplicationPower & SignalOperator ApplicationPower & SignalOperator ProtectionPoser & SignalAgency/StandardPose & SignalQuery/StandardSAE J2030U. Flammability RatingJam Flame Test per Standard UL-94Packaging PeaturesSignal Condition	Centerline (Pitch)	9.12 mm[.359 in]
Product Width20.83 mm[.82 in]Product Length32.21 mm[1.268 in]Row-to-Row Spacing4.45 mm[.175 in]Compatible Insulation Diameter Range2.23 – 3.68 mm[.088 – .145 in]Jage Conditions2.23 – 3.68 mm[.088 – .145 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operating Temperature RangePower & SignalOperation/ApplicationPower & SignalOperator Specific ApplicationPower & SignalO	Dimensions	
Product Length32.21 mm[1.268 in]Row-to-Row Spacing4.45 mm[.175 in]Compatible Insulation Diameter Range2.23 – 3.68 mm[.088 – .145 in]Jage Conditions2.23 – 3.68 mm[.088 – .145 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operating Temperature RangePower & SignalOperation/ApplicationPower & SignalOrigone of ProtectionPower & SignalAgency/StandardP68, IP6K9KAgency/StandardSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging Features800	Connector Height	24.03 mm[.946 in]
Now-to-Row Spacing4.45 mm[.175 in]Row-to-Row Spacing2.33-3.68 mm[.088 – .145 in]Compatible Insulation Diameter Range2.33-3.68 mm[.088 – .145 in]Jage Conditions125 °C[.257 °F]Operating Temperature (Max)125 °C[.67 – 257 °F]Operating Temperature Range-55 – 125 °C[.67 – 257 °F]Operation/Application-55 – 125 °C[.67 – 257 °F]Operation/ApplicationPower & SignalOperation/ApplicationPower & SignalOperator ProtectionPower & SignalAgency/StandardPokafKAQuery StandardsSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging Pountity800	Product Width	20.83 mm[.82 in]
Compatible Insulation Diameter Range2.23 – 3.68 mm[.088 – .145 in]Jsage Conditions23Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operation/Application-55 – 125 °C[-67 – 257 °F]Circuit ApplicationPower & SignalIndustry Standards-Degree of ProtectionP68, IP6K9KAgency/StandardSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging Features-Packaging Quantity800	Product Length	32.21 mm[1.268 in]
Jage Conditions Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -55 - 125 °C[-67 - 257 °F] Operation/Application Operation/Application Circuit Application Operation/Application Circuit Application Operation/Application Power & Signal Power & Signal Pow	Row-to-Row Spacing	4.45 mm[.175 in]
Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 - 125 °C[-67 - 257 °F]Operation/Application-55 - 125 °C[-67 - 257 °F]Operation/ApplicationPower & SignalCircuit ApplicationPower & SignalIndustry Standards	Compatible Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 in]
Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operation/Application       -55 – 125 °C[-67 – 257 °F]         Operation/Application       Power & Signal         Circuit Application       Power & Signal         ndustry Standards       -         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       12mm Flame Test per Standard UL-94         Packaging Quantity       800	Usage Conditions	
Operation/Application       Power & Signal         Circuit Application       Power & Signal         Industry Standards       IP68, IP6K9K         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       12mm Flame Test per Standard UL-94         Packaging Quantity       800	Operating Temperature (Max)	125 °C[257 °F]
Circuit ApplicationPower & Signalndustry StandardsIP68, IP6K9KDegree of ProtectionIP68, IP6K9KAgency/StandardSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging Features800	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Industry Standards       IP68, IP6K9K         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       12mm Flame Test per Standard UL-94         Packaging Features       S00	Operation/Application	
Degree of ProtectionIP68, IP6K9KAgency/StandardSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging FeaturesSAE J2030Packaging Quantity800	Circuit Application	Power & Signal
Agency/StandardSAE J2030UL Flammability Rating12mm Flame Test per Standard UL-94Packaging FeaturesSac Standard UL-94	Industry Standards	
UL Flammability Rating       12mm Flame Test per Standard UL-94         Packaging Features       200         Packaging Quantity       800	Degree of Protection	IP68, IP6K9K
Packaging Features       Packaging Quantity       800	Agency/Standard	SAE J2030
Packaging Quantity 800	UL Flammability Rating	12mm Flame Test per Standard UL-94
	Packaging Features	
Packaging Method Box	Packaging Quantity	800
	Packaging Method	Box

Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT



#### Other

Serviceable	Yes
Connector Position Assurance Capable	No
<b>Product Compliance</b> 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	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900

Solder Process Capability

Not reviewed for solder process capability

ppm.

#### 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**



Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT





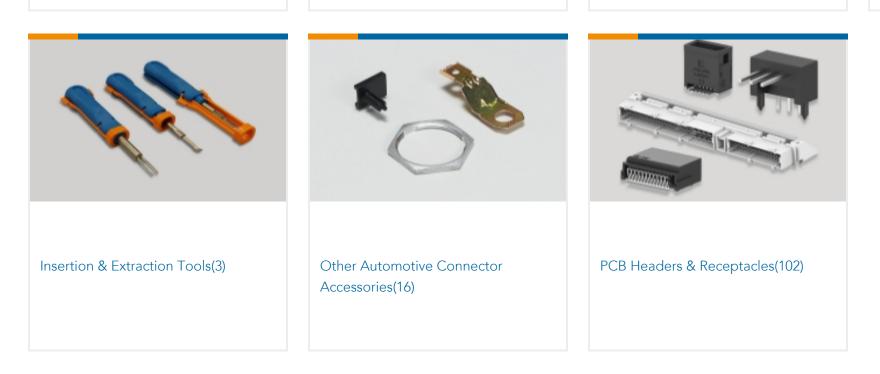


# Also in the Series DEUTSCH DT



Automotive	Connector	Caps & Covers	
(107)			

Position Assurance(74)



# Customers Also Bought



Housing for Female Terminals, Wire-to-Wire, 6 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT





## Documents

### **Product Drawings** PLG, 6P, GRY, N, CAP

English

#### **CAD** Files

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_DT06-6S-EP04\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DT06-6S-EP04\_B.3d\_igs.zip

English

Customer View Model

### ENG\_CVM\_CVM\_DT06-6S-EP04\_B.3d\_stp.zip

English

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**Product Specifications Application Specification** 

English

Agency Approvals

**UL Report** 

English