

175365-5 Datasheet

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DiGi Electronics Part Number	175365-5-DG
Manufacturer	TE Connectivity AMP Connectors
Manufacturer Product Number	175365-5
Description	CONN HEADER R/A 20POS 5.08MM
Detailed Description	Connector Header Through Hole, Right Angle 20 position 0.200" (5.08mm)

This model 175365-5 is available at DiGi Electronics.

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DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

175365-5

Series:

Dynamic D-3500

Connector Type:

Header

Pitch - Mating:

0.200" (5.08mm)

Number of Rows:

2

Number of Positions Loaded:

All

Shrouding:

Shrouded - 4 Wall

Termination:

Solder

Contact Length - Mating:

-

Overall Contact Length:

-

Contact Shape:

Rectangular

Contact Finish Thickness - Mating:

78.7µin (2.00µm)

Contact Material:

Copper Alloy

Features:

Board Lock

Ingress Protection:

-

Insulation Color:

Black

Voltage Rating:

600V

Contact Finish Thickness - Post:

-

Base Product Number:

175365

Manufacturer:

TE Connectivity AMP Connectors

Product Status:

Active

Contact Type:

Tab

Number of Positions:

20

Row Spacing - Mating:

0.200" (5.08mm)

Style:

Board to Board or Cable

Mounting Type:

Through Hole, Right Angle

Fastening Type:

Detent Lock

Contact Length - Post:

0.150" (3.81mm)

Insulation Height:

0.774" (19.67mm)

Contact Finish - Mating:

Tin

Contact Finish - Post:

Tin

Insulation Material:

Thermoplastic, Polyester, Glass Filled

Operating Temperature:

-55°C ~ 105°C

Material Flammability Rating:

UL94 V-0

Current Rating (Amps):

-

Mated Stacking Heights:

-

Applications:

General Purpose, Industrial

175365-5 ✓ ACTIVE[Dynamic Series](#) | [Dynamic 3000 Series](#)

TE Internal #: 175365-5

PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Tin (Sn), Dynamic 3000 Series

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > Header Assembly: Wire-to-Board, 15A, gold or tin plated

PCB Connector Type: **PCB Mount Header**PCB Mount Orientation: **Horizontal**Connector System: **Wire-to-Board**Number of Positions: **20**Number of Rows: **2**[All Header Assembly: Wire-to-Board, 15A, gold or tin plated \(16\)](#)

Features

Product Type Features

PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	20
Number of Rows	2

Body Features

Primary Product Color	Black
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Contact Features



PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 5.08 mm [.2 in]
Centerline, Fully Shrouded, Tin (Sn), Dynamic 3000 Series

Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	2 µm[80 µin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	15 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Mating Retention	With
PCB Mount Retention Type	Retention Leg
Mating Alignment Type	Polarization
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Housing Material	Polyester GF
Centerline (Pitch)	5.08 mm[.2 in]

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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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box
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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



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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2024 (241)

Does not contain REACH SVHC

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 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



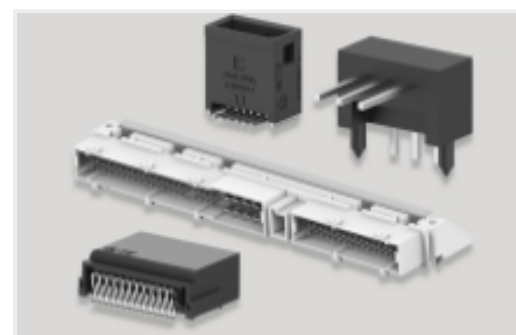
Also in the Series | Dynamic 3000 Series



Connector Contacts(94)



Connector Hardware(8)



PCB Headers & Receptacles(290)

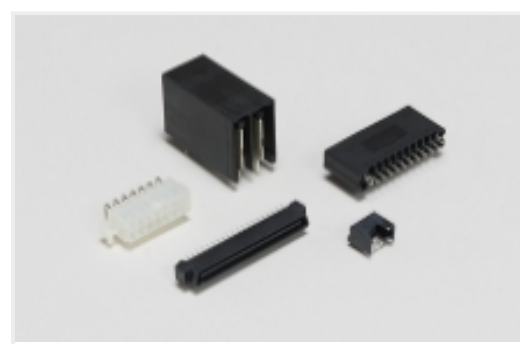


Power Contacts(94)

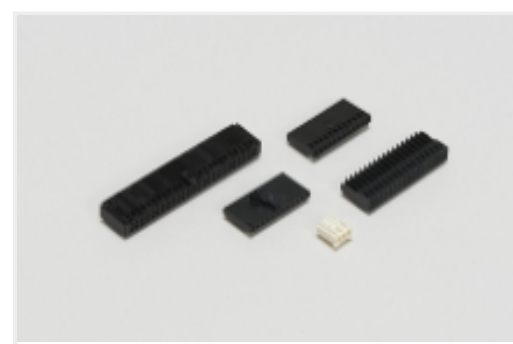
PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 5.08 mm [.2 in]
Centerline, Fully Shrouded, Tin (Sn), Dynamic 3000 Series



Rectangular Power Connectors(278)



Standard Rectangular Connectors(2)

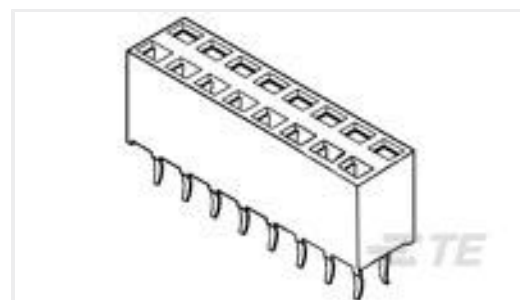


Wire-to-Board Connector Assemblies
& Housings(155)

Customers Also Bought



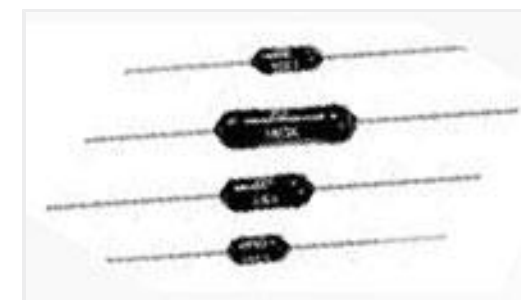
TE Part #5750071-1
Mini DIN, 6 pos, R/A, Shield



TE Part #1-215309-0
2X10P HV100 REC CON. TE, 8.5MM



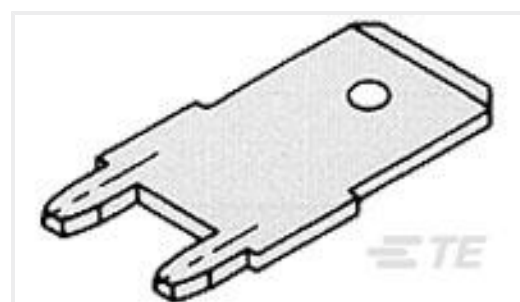
TE Part #1676250-2
RN 0805 20K 0.1% 10PPM 1KRL



TE Part #7-1879621-7
H4P 15K 1% 50PPM



TE Part #4-794618-2
12P MICRO MNL ASSY R/A HDR LF



TE Part #63986-1
250 FASTON TAB TPBR



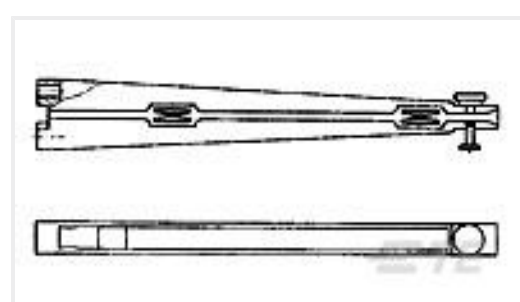
TE Part #2-1676915-8
YR1 0.1% 86K6



TE Part #1625889-3
2W SM M/OX 2% R47



TE Part #7-1676913-4
YR1 0.1% 2K55



TE Part #4-1437353-9
OEC G6032VR CARD GUIDE
LOCKING 120 MM

Documents

Product Drawings

[DYNAMIC 3500 HDR ASSY 20P](#)

Japanese

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_175365-5_F.2d_dxf.zip](#)



PCB Mount Header, Horizontal, Wire-to-Board, 20 Position, 5.08 mm [.2 in]
Centerline, Fully Shrouded, Tin (Sn), Dynamic 3000 Series

English

Customer View Model

[ENG_CVM_175365-5_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_175365-5_F.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[DYNAMIC 3500 SERIES](#)

English

Product Specifications

[Product Specification](#)

English

Agency Approvals

[TUV Certificate](#)

English

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