



Economy Power 2.5

TE Internal #: 2238008-1

Connector Contact, Pin, Wire-to-Wire, 24 – 20 AWG Wire Size, .205 – .518 mm² Wire Size, Tin, Reel, Wire & Cable, 4.5 A, Signal, Economy Power 2.5

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Pin**

Connector System: **Wire-to-Wire**

Centerline (Pitch): **2.5 mm [.098 in]**

Wire Size: **.205 – .518 mm²**

Features

Product Type Features

Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features

Contact Mating Area Length	7.49 mm[.295 in]
Mating Square Post Dimension	.6 mm[.023 in]
Wire Contact Termination Area Plating Thickness	.8 μm
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.8 μm[31.49 μin]
Contact Length	12.8 mm[.504 in]
Contact Base Material	Brass
Contact Type	Pin
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	4.5 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Centerline (Pitch)	2.5 mm[.098 in]
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Dimensions

Compatible Insulation Diameter Range	1.3 – 1.7 mm[.051 – .067 in]
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Wire Size	.205 – .518 mm ²
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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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Packaging Features

Packaging Quantity	8000
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Packaging Method	Reel
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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
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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	Not reviewed for solder process capability

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 # 1-1969443-1 EP 2.5 TPA Retainer, 11 Pos	TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp	TE Part # 1969589-2 HSG, REC,FREE-HANG,GWT, SINGLE ROW,EP2.5	TE Part # 2151793-1 OCEAN_2.0_Applicator-S-055F069OV
TE Part # 2161958-1 ASSY, EXT. TOOL, EP 2.5	TE Part # 1969591-5 HSG,REC,PANEL MOUNT,GWT, SINGLE ROW,EP2.5	TE Part # 2-2837034-1 OCEAN_2.0_Applicator-S-055F075OV	TE Part # 2-2837034-2 OCEAN_2.0_Applicator-S-055F075OV
TE Part # 2151793-2 OCEAN_2.0_Applicator-S-055F069OV	TE Part # 2837034-1 OCEAN_2.0_Applicator-S-055F075OV	TE Part # 2837034-2 OCEAN_2.0_Applicator-S-055F075OV	TE Part # 7-2151793-7 OCEAN_2.0_SPARE_PART_KIT-055F069OV
TE Part # 7-2837034-1 OCEAN_2.0_Applicator-S-055F075OV	TE Part # 7-2837034-2 OCEAN_2.0_Applicator-S-055F075OV	TE Part # 7-2837034-7 OCEAN_2.0_SPARE_PART_KIT-055F075OV	

Also in the Series | **Economy Power 2.5**



Insertion & Extraction Tools(1)

PCB Headers & Receptacles(494)

PCB Latches, Locks & Retainers(49)

Rectangular Power Connectors(43)

Wire-to-Board Connector Assemblies & Housings(311)

Wire-to-Board Connector Contacts(6)

Customers Also Bought

TE Part #1971786-1
Tab Contact — POWER TRIPLE LOCK

TE Part #1-1971772-2
PTL 1X2 CAP PANEL MT STD TEMP
KEY A NAT

TE Part #1-1971775-3
PTL 2X3 CAP PANEL MT STD TEMP
KEY A NAT

TE Part #1744417-3
3 POS EP 2.5 HSG, GLOW WIRE

TE Part #1969442-6
EP 2.5 TPA Housing, 6 Pos

TE Part #1969443-7
EP 2.5 TPA Retainer, 7 Pos

TE Part #3825623001
44A0131-20-0/2/9

TE Part #D522093001
44A0121-20-0/9CK0001

Documents

Product Drawings

TERMINAL, PIN, LANCELESS, 20-24 AWG, EP2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2238008-1_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2238008-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2238008-1_C.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[7-1773461-6_EP2.5_Connector_Series](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English