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Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Cable-to-Cable, Cable-to-Panel**

Number of Positions: **50**

Centerline (Pitch): **3.81 mm [.15 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Cable-to-Cable, Cable-to-Panel
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	50
Number of Power Positions	50
Number of Signal Positions	50
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Contact Current Rating (Max)	13 A
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Contact Retention Within Housing	With
Contact Type	Pin

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Panel Mount Feature	With
Panel Mount Feature Type	Screw Mount
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	3.81 mm[.15 in]
Housing Color	Black
Housing Material	Phenolic

Dimensions

Connector Height	65.91 mm[2.595 in]
Product Width	19.05 mm[.75 in]
Product Length	23.24 mm[.915 in]
Wire Size	.05 – 2 mm ²
Row-to-Row Spacing	4.57 mm[.18 in]

Usage Conditions

Operating Temperature Range	-55 – 150 °C[-67 – 302 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

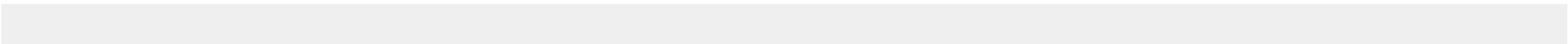
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	70
Packaging Method	Carton

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 2024 (241) 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>

Compatible Parts



TE Part # 200277-2
FEMALE BLOCK 50 PL.



TE Part # 200532-1
50 UNASSM KIT, M SERIES



TE Part # 200532-2
50 PL. SHIELD ASSY.

Also in the Series | AMP M Series



Board-to-Board Jumpers & Shunts(7)	Connector Caps & Covers(11)	Connector Hardware(18)	Connector Strain Relief(11)
Rack & Panel Connectors(1)	Rectangular Power Connectors(57)		

Customers Also Bought

TE Part #66180-1 III+ PIN,SOLDER,30AU,10AU FLASH,LP	TE Part #66182-1 III+ PIN,SOLDER,30AU,10AU FLASH,LP	TE Part #794281-1 15P UMNL INTERFACE SEAL	TE Part #66183-1 III+ SKT,SOLDER,30AU,10AU FLAS
TE Part #66181-1 III+ SKT,SOLDER,30AU,10AU FLASH,LP	TE Part #794279-1 12P UMNL INTERFACE SEAL	TE Part #794271-1 03P UMNL INTERFACE SEAL	TE Part #1-480707-0 09P UMNL CAP HSG NATL
TE Part #320559 PIDG SPLICE 22-16COMM 22-18MIL	TE Part #216365-001 22759/32-14-9		

Documents



Product Drawings

MALE BLOCK 50 PL. SER. "M"

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_201358-1_AK.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_201358-1_AK.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_201358-1_AK.3d_stp.zip

English

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

Datasheets & Catalog Pages

M_SERIES_PIN_AND_SOCKET_CONNECTORS

English

Instruction Sheets

Instruction Sheet (U.S.)

English

20 HVC, 34 AND 50 POSITION SERIES "M" CONNECTOR

English

Instruction Sheet (U.S.)

English

LATCHING SHIELD AND PIN HOOD FOR 50 POSITION "M" SERIES CONNECTOR

English

Agency Approvals

Agency Approval Document

English