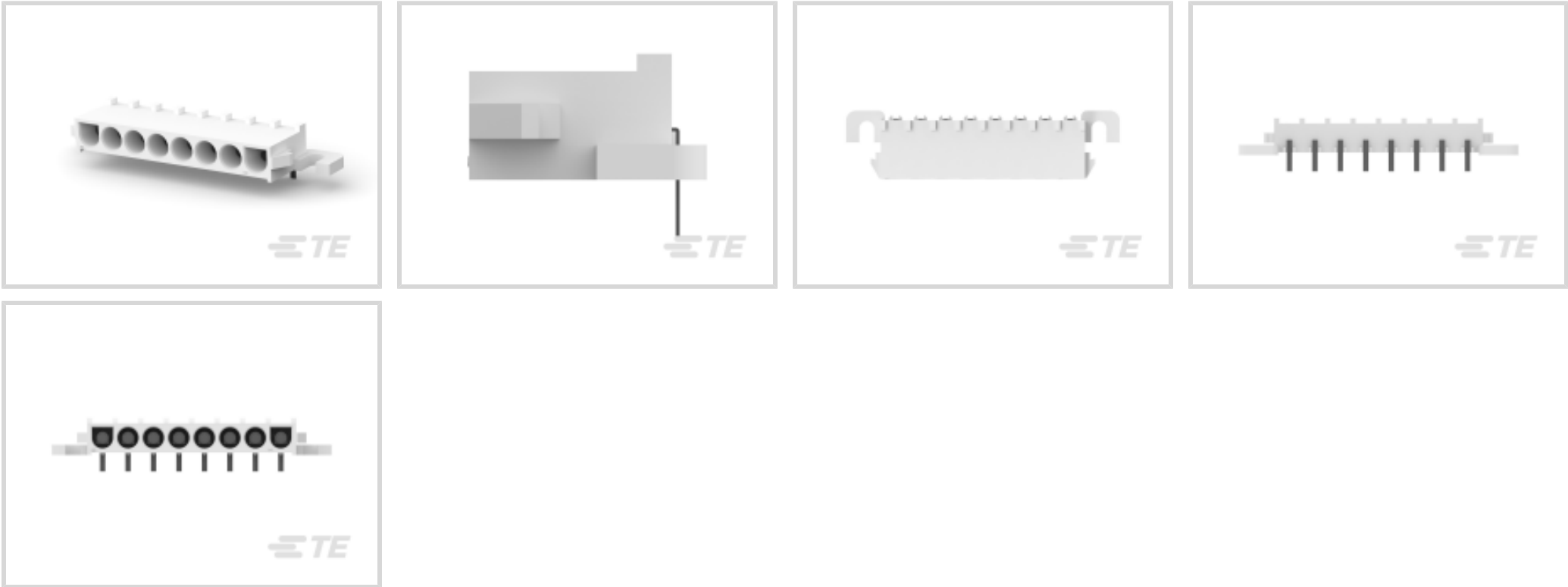




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **8**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	8
PCB Mount Orientation	Right Angle
Number of Power Positions	8
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Multiple Contact Types	Without
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Contact Layout	Inline
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Socket
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Post & Tail Length	4.06 mm[.16 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Height	9.14 mm[.36 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]
Product Width	17.27 mm
Product Length	69.27 mm[2.73 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL, VDE



Approved Standards	UL E28476
UL Flammability Rating	UL 94V-2
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	140
Packaging Method	Bag

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: JUNE 2023 (235) 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 # 1-350589-0
STR/REL CLAMP NATL

TE Part # 350811-1
STR/REL CLAMP

TE Part # 640586-1
08P UMNL PLUG HSG V2 NATL

TE Part # 643314-1
08P UMNL STR/REL

TE Part # 643314-2
08P UMNL STR/REL HSG

Also in the Series | Universal MATE-N-LOK

Circular Power Connectors(2)

Connector Contacts(2)

Connector Seals & Cavity Plugs(27)

Connector Strain Relief(34)

Insertion & Extraction Tools(4)

Power Contacts(207)

Rectangular Connector Adapters(7)

Rectangular Connector Hardware(1)

Rectangular Connector Housings(1)

Rectangular Connector Keying Plugs(3)

Rectangular Connector Locking(8)

Rectangular Power Connectors(672)

Customers Also Bought





TE Part #T4145015051-001
M12 R/A F PNLREAR STAMPED PIN A-
CODE 5P



TE Part #926902-3
UNIV-MNL SPLIT ST



TE Part #640586-1
08P UMNL PLUG HSG V2 NATL



TE Part #2213764-5
AV19 SPM 5A FIX RING LED RED 12V



TE Part #7-2213766-5
AV19 DPL 5A POWER LED GREEN 24V



TE Part #2213764-9
AV19 SPM 5A FIX RING LED YELLOW
12V



TE Part #1478768-4
ANTI-VIB NYLON GLD 20MM GREY



TE Part #1478768-5
ANTI-VIB NYLON GLD 25MM GREY

Documents

Product Drawings

08P UMNL HDR ASSY R/A NATL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_643237-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_643237-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_643237-1_G.3d_stp.zip

English

Customer View Model

ENG_CVM_643237-1_D.3d_igs.zip

English

Customer View Model

ENG_CVM_643237-1_D.3d_stp.zip

English

Customer View Model

ENG_CVM_643237-1_D.2d_dxf.zip

English

3D PDF

English



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Datasheets & Catalog Pages
SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY
English

Product Specifications
Application Specification
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Product Environmental Compliance
TE Material Declaration
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