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Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Header Type	Fully Shrouded
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	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features



PCB Contact Termination Area Plating Material Thickness	2.54 μ m[100 μ in]
Contact Layout	Inline
Contact Underplating Material Thickness	1.27 μ m[50 μ in]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	10 A, 12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 μ m[150 – 200 μ in]

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
Mating Retention Type	Detent Lock
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

Connector Height	8.38 mm[.33 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Product Width	9.53 mm[.375 in]
Product Length	18.16 mm[.715 in]

Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}$ C[-67 – 221 $^{\circ}$ F]
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Operation/Application

Circuit Application	Power
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Industry Standards



CSA Rating	LR 16455
UL Rating	Certified, 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	100
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 # 1-480303-0
03P CMNL PLUG HSG F/H NATL

TE Part # 1-480303-9
03P CMNL PLUG HSG F/H BLK

Also in the Series | Commercial MATE-N-LOK

Connector Caps & Covers(2)

Connector Contacts(20)

Connector Seals & Cavity Plugs(1)

Crimp Wire Pins, Tabs & Ferrules(2)

Insertion & Extraction Tools(3)

Power Contacts(129)

Rectangular Connector Housings(11)

Rectangular Power Connectors(169)

Standard Circular Connectors(2)

Standard Rectangular Connectors(7)

Wire-to-Board Connector Contacts(1)

Customers Also Bought

TE Part #3-641215-5
05P MTA100 HDR ASSY FL 30AU LF

TE Part #640457-4
04P MTA100 HDR ASSY SQ R/A F/L

TE Part #292132-4
CT P/HDR BOX V 4P NAT

TE Part #1734742-8
.5 FPC VT ZIF Type-A 8 CONT



TE Part #5-794630-4
24P MICRO MNL ASSY,VRT,HDR,LF

TE Part #640901-3
05P UMNL HDR ASSY 94VO LF

TE Part #3-794630-2
02P MICRO MNL ASSY,VRT,HDR,LF

TE Part #1-1393219-0
PE014024

TE Part #1447009-5
SHIELD FINGER 0820 TYPE

TE Part #1825955-2
FSM1JH=6MM TACT SWITCH, HT W /ESD

Documents

Product Drawings

03P CMNL HDR ASSY PC NATL

English

CAD Files

Customer View Model

ENG_CVM_350423-1_N.3d_igs.zip

English

Customer View Model

ENG_CVM_350423-1_N.3d_stp.zip

English

Customer View Model

ENG_CVM_350423-1_N.2d_dxf.zip

English

3D PDF

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_350423-1_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_350423-1_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_350423-1_U.3d_stp.zip

English



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Datasheets & Catalog Pages
SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY
English

Product Specifications
Application Specification
English