

20P MICRO MNL ASY,VRT,REV REEL

✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

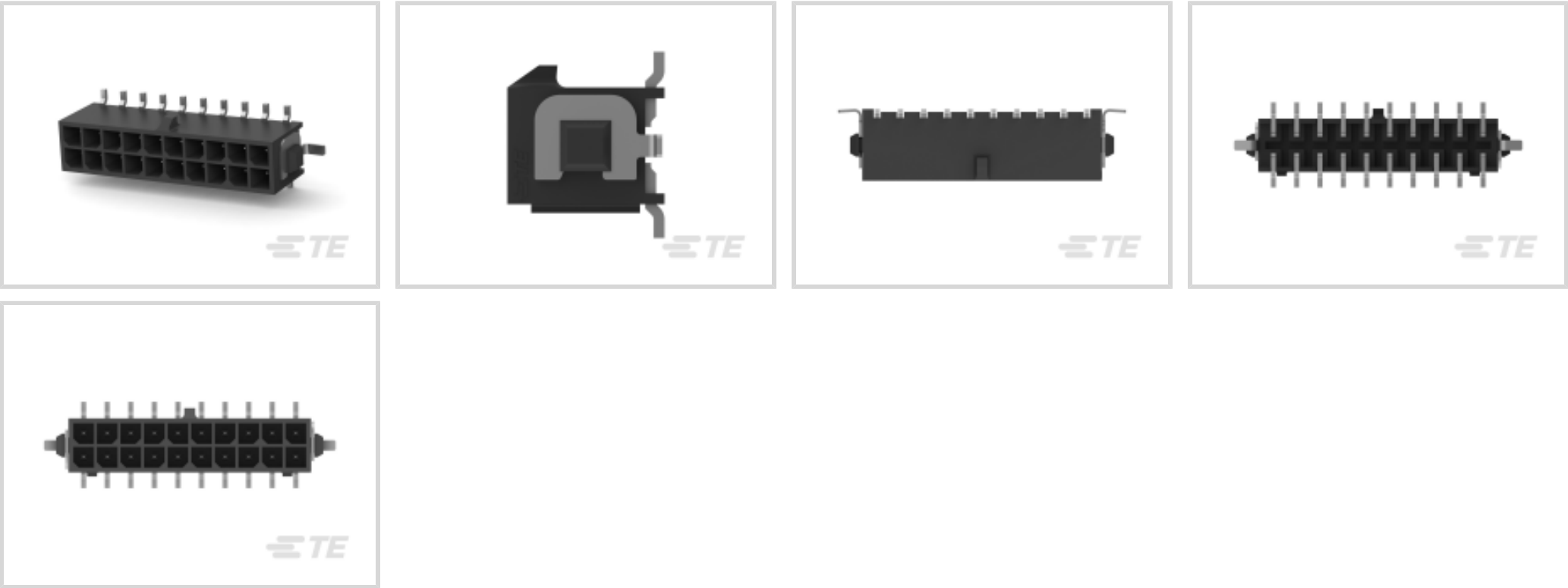
TE Part # 2-1586842-0

TE Internal #: 2-1586842-0

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**
Housing Type: **Plug**
Connector System: **Wire-to-Board**
Number of Positions: **20**
Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

Header Type	Shrouded
Product Type	Header
Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Pin

Configuration Features

Number of Positions	20
PCB Mount Orientation	Vertical
Number of Power Positions	20
Number of Signal Positions	0
Number of Rows	2
Row-to-Row Spacing	3 mm[.118 in]

Electrical Characteristics

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Operating Voltage	250 VDC
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Contact Features

Multiple Contact Types	Without
Contact Current Rating (Max)	5 A
Contact Retention	Without
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Thickness	2.54 µm[100 µin]
Contact Termination Area Plating Thickness	2.54 µm[100 µin]
Contact Size	.64

Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Hold-Down Post
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch, Locking Latch

Housing Features

Centerline (Pitch)	3 mm[.118 in]
UL Flammability Rating	UL 94V-0
Housing Color	Black
Housing Material	High Temperature Nylon

Dimensions

PCB Thickness (Recommended)	.062 mm[1.57 in]
Width	6.86 mm[.27 in]
Height	9.24 mm[.363 in]
Length	30.86 mm[1.21 in]



Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
Shielded	No

Operation/Application

Assembly Integration Feature	Without
Circuit Application	Power

Identification Marking

Circuit Identification Feature	Without
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Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	UL
UL Rating	Recognized
VDE Tested	Yes

Packaging Features

Packaging Method	Tape
Packaging Quantity	175

Other

For Use With	Receptacle Housing
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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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C



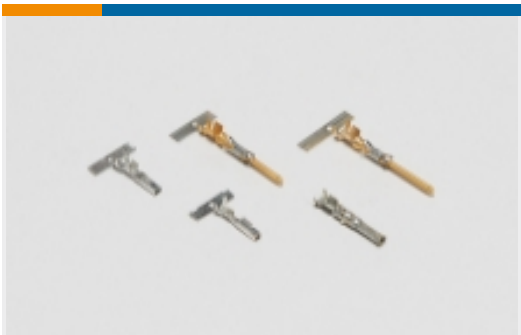
Product Compliance Disclaimer

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | Micro MATE-N-LOK



Connector Contacts(1)



Power Contacts(26)



Rectangular Power Connectors(711)

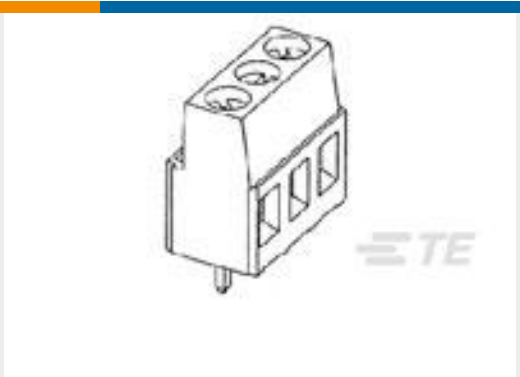
Customers Also Bought



TE Part #1586842-4
4P MICRO MNL ASY,VRT,
REV REEL



TE Part #1586842-6
6P MICRO MNL ASY,VRT,
REV REEL



TE Part #796682-4
TERMI-BLOK PCB
MOUNT 90 4P.



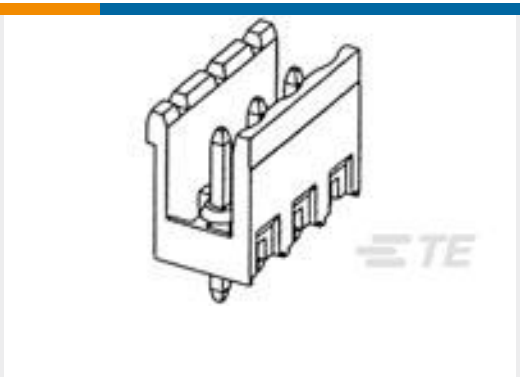
TE Part #2331365-1
DET SW4.7X3.8X2.3 GW
VERT. NO AG RL



TE Part #1586842-8
8P MICRO MNL ASY,VRT,
REV REEL



TE Part #6-1375870-0
RCPT ASSY,24 POS,VERT,
0.8MM MI



TE Part #1546213-5
TERMI-BLOK HEADER,
ASSY90 5P.5



TE Part #2029451-1
06P UMNL SOK HDR ASSY
W/O DRNS



TE Part #5-1375870-1
RCPT ASSY,6 POS,VERT,
0.8MM MI



TE Part #6-146278-2
12 MODII HDR SRST B/A .
100CL

Documents

Product Drawings

20P MICRO MNL ASY,VRT,REV REEL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1586842-0_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1586842-0_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1586842-0_C.3d_stp.zip

English

Product Specifications

Application Specification

English

Agency Approvals

UL

English