170121-1 ✔ ACTIVE

MATE-N-LOK | Commercial MATE-N-LOK

TE Internal #: 170121-1

Commercial MATE-N-LOK, Power Contacts, Contact, Operating Voltage 250 VAC, Operating Voltage 250 VDC, Pre-Tin, 20 – 14AWG Wire Size

Connectors > Power Connectors > Power Contacts







Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Pre-Tin**

Wire Size: **20 – 14 AWG**

Features

Product Type Features

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

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Mating Area Plating Material	Pre-Tin
Contact Current Rating (Max)	10 A
Contact Type	Socket
Contact Retention Within Housing	With
Mating Pin Diameter	2.1 mm[.082 in]
Contact Base Material	Brass
Wire Contact Termination Area Plating Material Thickness	.4 µm[15.74 µin]
Wire Contact Termination Area Plating Material	Pre-Tin
Wire Contact Termination Area Plating Material Finish	Bright

Contact Orientation	Straight

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)
Wire Insulation Support	Without

Dimensions

Wire Size	.52 – 2.27 mm²
Accepts Wire Insulation Diameter Range	3.3 mm[.13 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
VDE Tested	No

Packaging Features

Packaging Method	Bag
Packaging Quantity	1000

Other

Wire/Cable Type	Discrete Wire
Wire Type	Stranded
For Use With	Commercial MATE-N-LOK housings

Product Compliance

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 2021 (211)

	Candidate List Declared Against: JAN 2021 (211) 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 applicable for solder process capability

Product Compliance Disclaimer

Compatible Parts



TE Part # 91504-1
CCII CMNL MNL PIN SKT 20-14 ASSY



TE Part # 1-171196-0
6 POS MATE-N-LOK S



TE Part # 1-480274-0
09P CMNL PLUG HSG P/M NATL



TE Part # 1-480284-0
08P CMNL CAP HSG M/M NATL



TE Part # 1-480438-0
16P CMNL PLUG HSG M/M NATL



TE Part # 1-480683-0
02P CMNL PLUG HSG F/H NATL



TE Part # 1-480277-0
09P CMNL CAP HSG P/M NATL



TE Part # 1-480304-0
03P CMNL PLUG HSG P/M NATL



TE Part # 1-480722-0
04P CMNL PLUG HSG W/LCK NATL



TE Part # 1-480276-0
06P CMNL CAP HSG P/M NATL



TE Part # 1-480285-0
10P CMNL PLUG HSG M/M NATL



TE Part # 1-480439-0
16P CMNL CAP HSG M/M NATL



TE Part # 1-480393-1
02P CMNL PLUG HSG F/H BLK



TE Part # 1-480345-0
08P CMNL CAP HSG F/H NATL



TE Part # 1-480340-0
06P CMNL CAP HSG F/H NATL



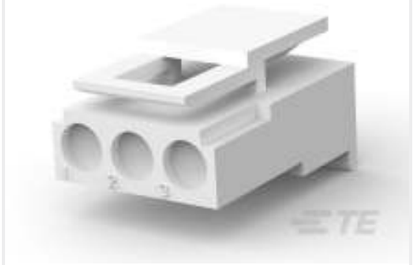
TE Part # 1-480278-0
12P CMNL CAP HSG P/M NATL



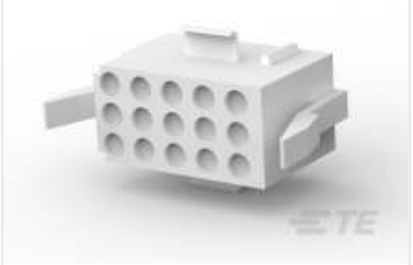
TE Part # 1-480425-0
04P CMNL PLUG HSG P/M NATL



TE Part # 1-480324-0
15P CMNL CAP HSG P/M NATL



TE Part # 1-480721-0
03P CMNL PLUG HSG W/LOK NATL



TE Part # 1-480323-0
15P CMNL PLUG HSG P/M NATL

Also in the Series | Commercial MATE-N-LOK

Connector Contacts(26)

Crimp Wire Pins, Tabs & Ferrules(3)

Insertion & Extraction Tools(5)

Power Contacts(129)



Rectangular Caps & Covers(2)



Rectangular Connector Housings(17)



Rectangular Connector Seals(1)



Rectangular Power Connectors(171)



Standard Circular Connectors(4)



Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

Customers Also Bought



TE Part #1-178288-6
DYNAMIC 3100 REC AND TAB HSG



TE Part #917805-2
DYNAMIC 5000 REC AND TAB CONT



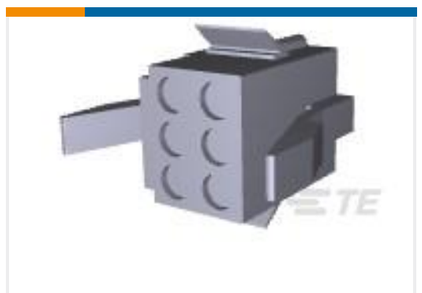
TE Part #1-353047-3
DYNAMIC 5000 REC AND TAB HSG



TE Part #1-1827862-5
DYNAMIC 1100 REC AND TAB HSG



TE Part #1-179552-4
DYNAMIC 3200 REC AND TAB HSG



TE Part #1-171196-0
6 POS MATE-N-LOK S



TE Part #1-380999-0
06P CMNL HDR ASSY NATL



TE Part #1-178316-2
DYNAMIC 3100 HDR ASSY



TE Part #1-170823-5
250 FASTON SLEEVE,REC., TRANSPARENT



TE Part #1-171197-0
9 POS MATE-N-LOK S

Documents

Product Drawings

MATE-N-LOK SKT L.P.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_170121-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_170121-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_170121-1_F.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

Agency Approval Document

English