1-640523-0 ✔ ACTIVE

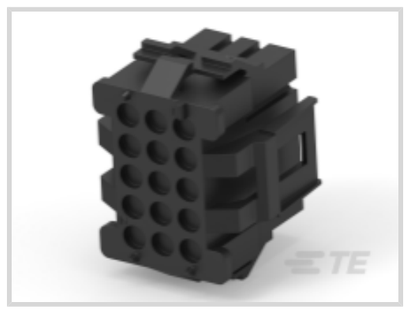
AMP | AMP MR

TE Internal #: 1-640523-0

Housing, Plug, Wire-to-Board / Wire-to-Panel / Wire-to-Wire, 15 Position, 4.2 mm [.165 in] Centerline, AMP MR, Rectangular Power Connectors

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors






EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Type Features

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

Configuration Features

Number of Positions	15
Number of Power Positions	0
Number of Signal Positions	15
Number of Rows	5

Electrical Characteristics

Operating Voltage	250 VDC

Contact Features

Contact Current Rating (Max)	9 A
Contact Retention Within Housing	With
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Positive Lock
Mating Retention	With
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	4.2 mm[.165 in]
Housing Color	Black
Housing Material	PA 66

Dimensions

Compatible Insulation Diameter Range	2.92 mm[.115 in]
Product Width	29.72 mm[1.17 in]
Product Length	21.34 mm[.84 in]
Connector Height	12.95 mm[.51 in]
Wire Size	.12 – .8 mm^2
Row-to-Row Spacing	4.19 mm[.165 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476

CSA Rating	LR 7189
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity	1500
Packaging Method	Box

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	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

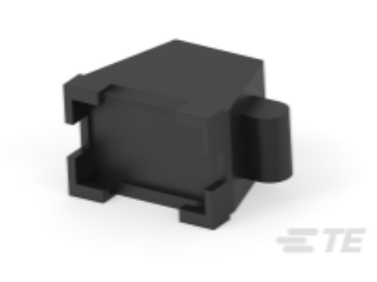
Product Compliance Disclaimer

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

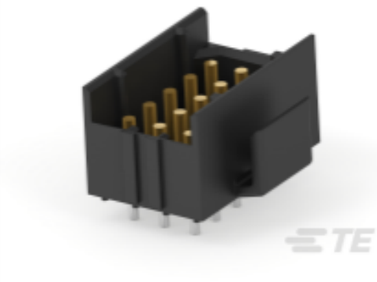
Compatible Parts



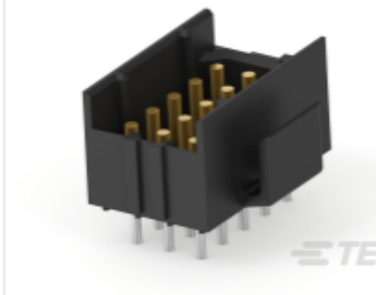
TE Part # 1-640513-0
15P MR II CAP HSG V0



TE Part # 1-350523-9
15P MR STR/REL HNG



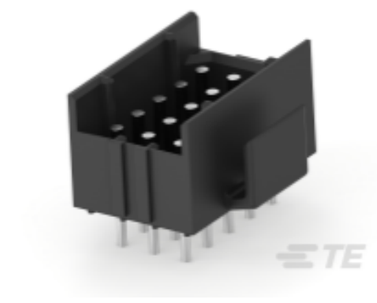
TE Part # 2-640503-2
15P MR HDR ASSY VO LF



TE Part # 2-640503-4
15P MR HDR ASSY VO LF

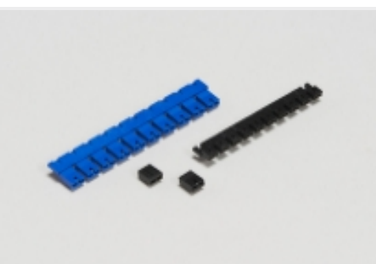


TE Part # 640503-1
15P MR HDR ASSY V0



TE Part # 640503-3
15P MR HDR ASSY V0

Also in the Series | AMP MR



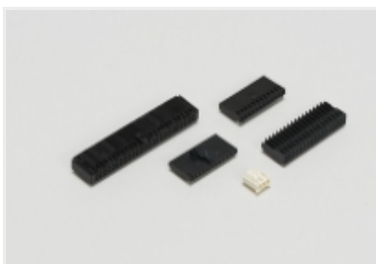
Board-to-Board Jumpers & Shunts(4)



Power Cable Assemblies(1)

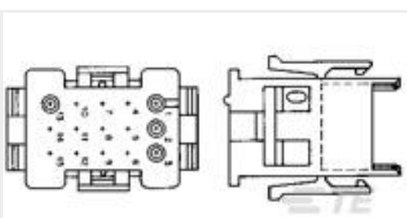


Rectangular Power Connectors(12)

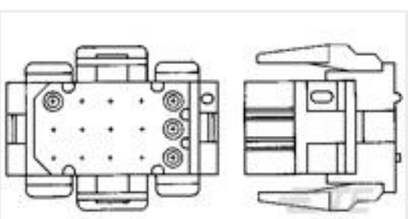


Wire-to-Board Connector Assemblies & Housings(4)

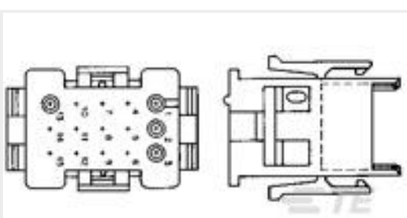
Customers Also Bought



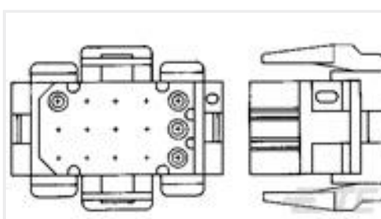
TE Part #1-640512-0
12P MR II CAP HSG



TE Part #1-640524-0
20P MR II PLUG HSG V0



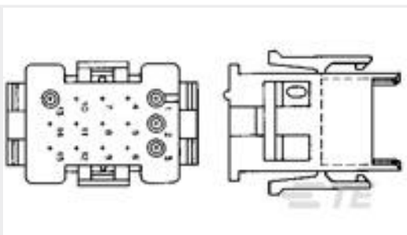
TE Part #1-640511-0
09P MR II CAP HSG V0



TE Part #1-640526-0
36P MR II PLUG HSG V0



TE Part #770424-1
02P.093 COMM P&S RCPT .248CL



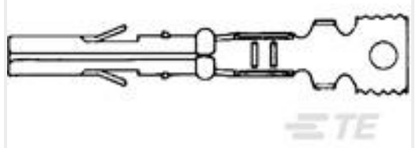
TE Part #1-640516-0
36P MR II CAP HSG V0



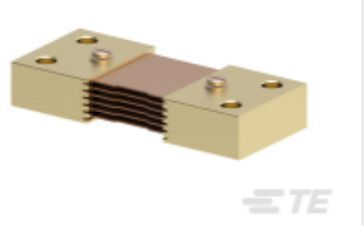
TE Part #9-1393117-4
KUP-14A45-120=KU



TE Part #54312-1
TERMINAL,PIDG R 26-24 10



TE Part #641294-1
MR RECPT 26-18 PTPHBZ



TE Part #CG3242-000
CI-FI75050

Documents

Product Drawings

15P MR II PLUG HSG V0

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-640523-0_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-640523-0_E.3d_igs.zip

English

Customer View Model

ENG_CVM_1-640523-0_E.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640523-0_AF.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-640523-0_AF.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640523-0_AF.3d_stp.zip

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP* MINIATURE RECTANGULAR II (MRII) CONNECTORS

English

Agency Approvals

Agency Approval Document

English