



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **36**

Centerline (Pitch): **4.2 mm [.165 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	36
Number of Power Positions	0
Number of Signal Positions	36
Number of Rows	9

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

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

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

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

Housing Features

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

Dimensions

Wire Size	.12 – .8 mm²
Row-to-Row Spacing	4.19 mm[.165 in]
Width	46.48 mm[1.83 in]
Accepts Wire Insulation Diameter Range	2.92 mm[.115 in]
Height	12.95 mm[.51 in]
Length	21.34 mm[.84 in]

Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189



Packaging Features

Packaging Method	Box
Packaging Quantity	1

Product Compliance

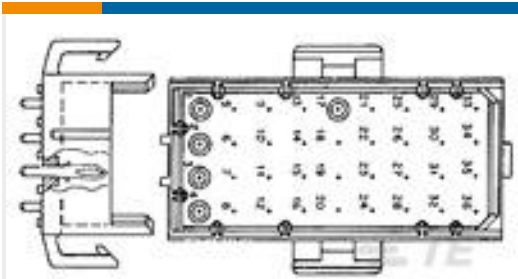
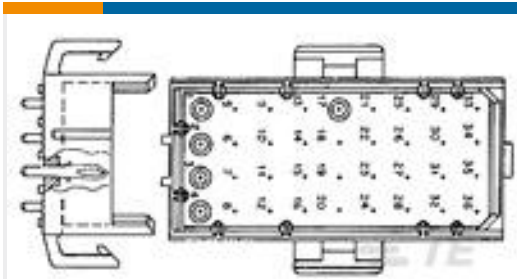
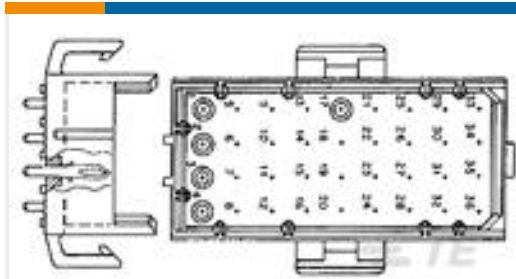
For compliance documentation, visit the product page on TE.com>

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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 # 1-640516-0 36P MR II CAP HSG V0	 TE Part # 2-640506-2 36P MR HDR ASSY VO LF	 TE Part # 640506-2 36P MR HDR ASSY V0	 TE Part # 2-640506-4 36P MR HDR ASSY VO LF
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TE Part # 640506-3
36P MR HDR ASSY V0

TE Part # 640506-1
36P MR HDR ASSY V0

TE Part # 1-608017-4
36 POS MR HEADER ASSY SPCL LF

TE Part # 640506-4
36P MR HDR ASSY V0

TE Part # 1-480594-9
36P STR/REL HNGD

Also in the Series | AMP MR

Board-to-Board Connector Housings(2)

Board-to-Board Jumpers & Shunts(4)

Insertion & Extraction Tools(1)

Power Cable Assemblies(1)

Rectangular Power Connectors(12)

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

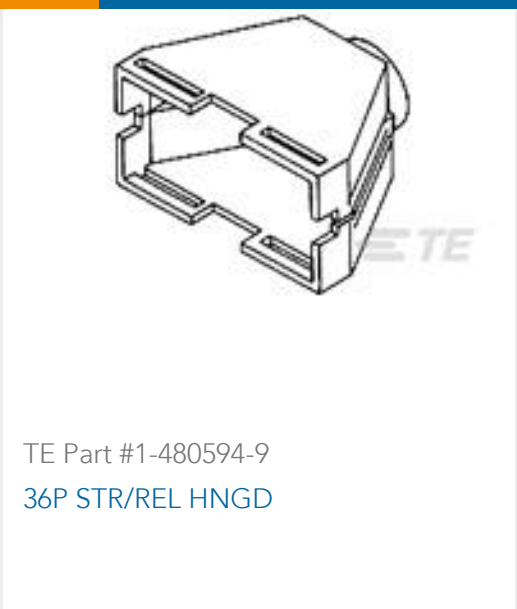
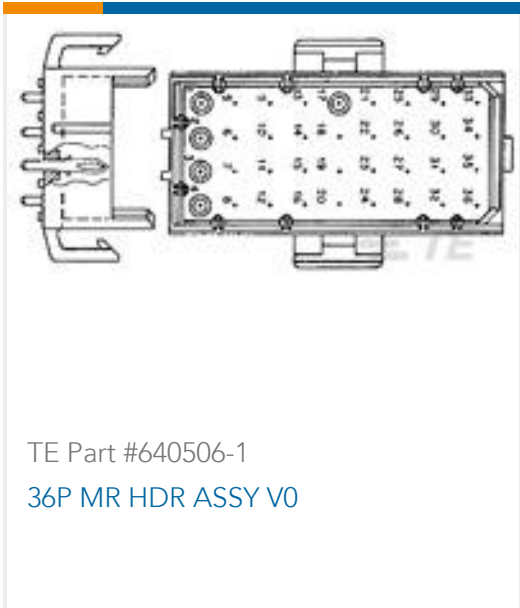
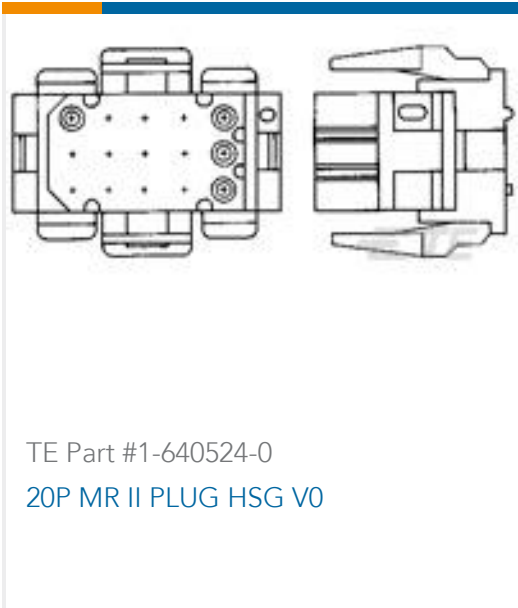
Customers Also Bought

TE Part #5553921-1
ASSY, RCPT, 50 POSN, B SLOT

TE Part #1-640523-0
15P MR II PLUG HSG V0

TE Part #350967-2
MR PIN AU/PHBZ

TE Part #1-534237-8
20 MODII VRT SR CE 100/115



Documents

Product Drawings

36P MR II PLUG HSG V0

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_1-640526-0_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_1-640526-0_E.3d_igs.zip

English

Customer View Model

ENG_CVM_1-640526-0_E.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-640526-0_AF.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-640526-0_AF.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-640526-0_AF.3d_stp.zip

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages
[SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#)
English

Product Specifications
[Application Specification](#)
English

Product Environmental Compliance
[MD_1-640526-0_03302016620_dmtec](#)
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[MD_1-640526-0_03302016620_dmtec](#)
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Instruction Sheets
[Instruction Sheet \(U.S.\)](#)
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[AMP* MINIATURE RECTANGULAR II \(MRII\) CONNECTORS](#)
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Agency Approvals
[Agency Approval Document](#)
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