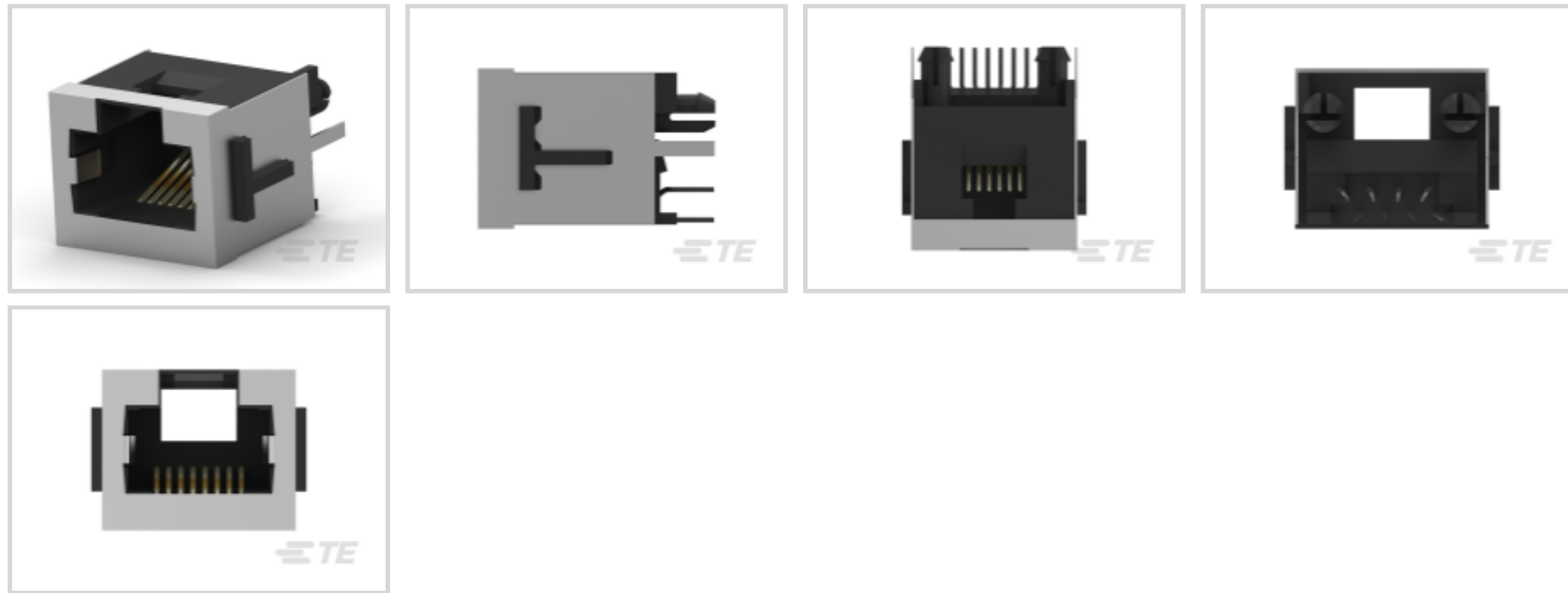


TE Internal #: 100616-1
 RJ45 Connectors, RJ45, Single Port, Port Matrix Configuration 1 x 1,
 RJ Type Jacks & Plugs, Standard Connector Contact Density, Jack,
 Shielded, Cat 3

[View on TE.com >](#)



Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**

Port Configuration: **Single Port**

Port Matrix Configuration: **1 x 1**

Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**

Connector Contact Density: **Standard**

Features

Product Type Features

Connectors & Connector Components Type	Connector
Connector Product Type	Connector Assembly
Modular Jack & Plug Interface Type	RJ45
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Jack
Grounding Options	PCB Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Ground Tabs	2
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8



PCB Mount Orientation	Vertical
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Body Features

PCB Ground Tab Location	2.95 mm[.116 in]
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Shield Plating Material	Tin
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Shield Material	Brass
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Modular Jack Latch Orientation	Standard - Latch Down
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Connector Profile	Standard
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Contact Features

Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material	Tin
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Contact Current Rating (Max)	1.5 A
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Contact Mating Area Plating Material	Gold over Nickel
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material Thickness	2 μ m[78.74 μ in]
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Termination Post & Tail Length	3.1 mm[.122 in]
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Mechanical Attachment

Panel Mount Feature	With
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Panel Mount Feature Type	Panel Stops
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Connector Mounting Type	Board Mount
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Housing Features

Mating Entry Location	Top
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Centerline (Pitch)	1.02 mm[.04 in]
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Housing Color	Black
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Housing Material	PBT
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Dimensions

PCB Thickness (Recommended)	1.6 mm[.062 in]
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Connector Height	16.71 mm[.658 in]
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Usage Conditions

Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
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Operation/Application



Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-HB
Performance Category	Cat 3

Packaging Features

Packaging Quantity	1080
Packaging Method	Blister

Product Compliance

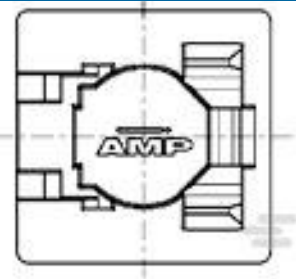
[For compliance documentation, visit the product page on TE.com>](#)

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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 Model / Part # 188729-1
8P.COVER/SOLD.STOP

TE Model / Part # 1820802-1
ETHERNET CaT 5 Cable Assy

Customers Also Bought



TE Model / Part #1-106505-2
9P.HDP20 REC.ASSY.



TE Model / Part #5-338313-2
9POS.HD-20 REC.ASSY



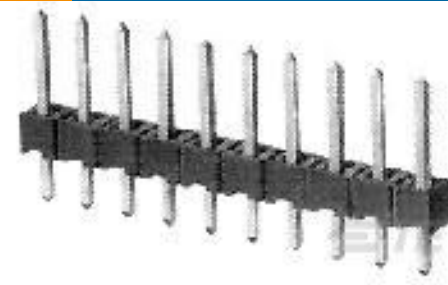
TE Model / Part #1-338168-2
9POL HDP20 PLUG



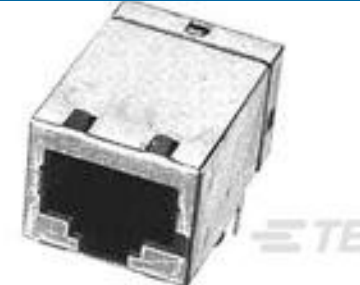
TE Model / Part #5555153-1
MJ,LPF,R/A,8P,PCBG,PSTP.15TTR



TE Model / Part #826629-2
2P AMPMODU II



TE Model / Part #826629-3
3P AMPMODU II



TE Model / Part #100616-2
8/8 MOD.JACK ASSY TE SHIELDED

Documents

Product Drawings

[8/8 MOD.JACK ASSY TE SHIELDED](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_100616-1_G.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_100616-1_G.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_100616-1_G.3d_stp.zip](#)

English

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



Datasheets & Catalog Pages

[82066 - Modular Jacks and MRJ21 Product catalog - Single Port Modular Jacks section](#)

English

[1-1773464-9_MODULAR_JACKS_SINGLE_PORT_PCB_MOUNT](#)

English

Product Specifications

[side entry, bottom entry, top entry and toolless modular jack](#)

English

[Product Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English