

# 8/8 MOD.JACK ASSY TE SHIELDED ✓ ACTIVE

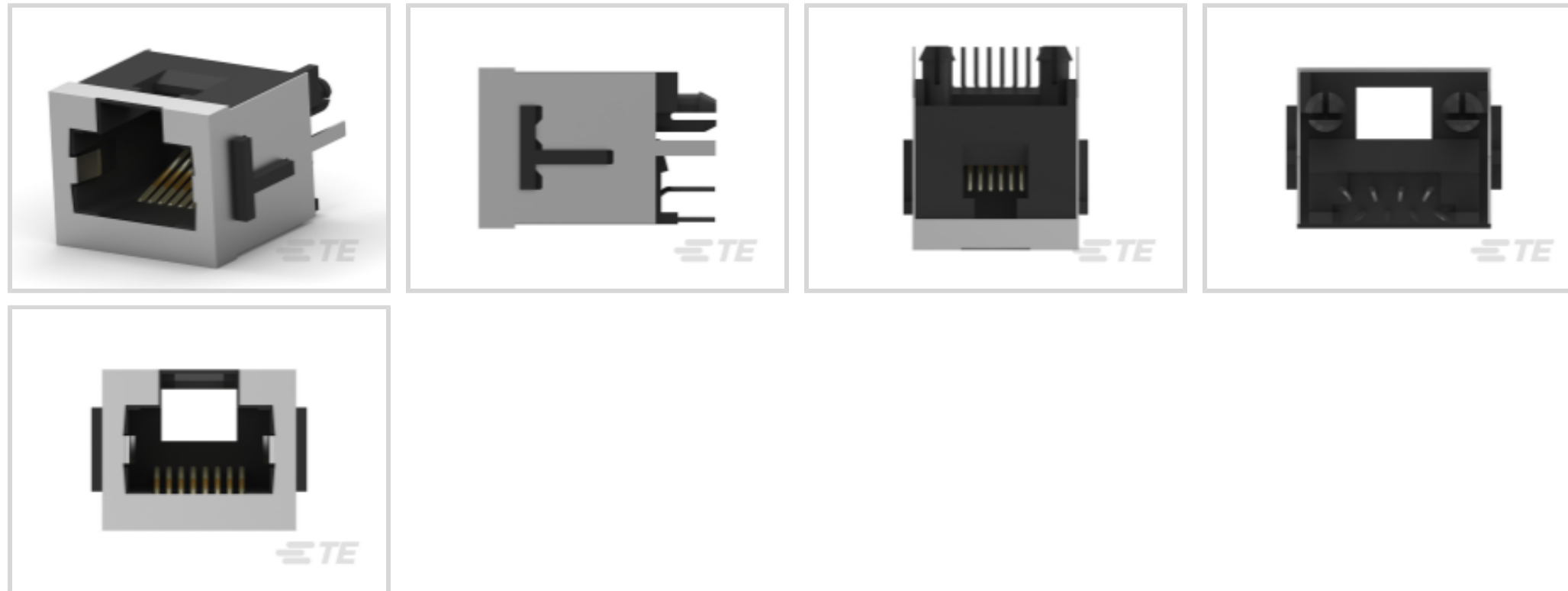
TE Part # 100616-1

TE Internal #: 100616-1

[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
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
Keyed	No
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Status Indicator	None
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Vertical

### Body Features

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

### Contact Features

Connector Product Type	Connector Assembly
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material	Gold over Nickel
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	2 $\mu$ m[78.74 $\mu$ in]

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

PCB Thickness (Recommended)	1.6 mm[.062 in]
PCB Tail Length	3.1 mm[.122 in]
Connector Height	16.71 mm[.658 in]

### Usage Conditions

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

### 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

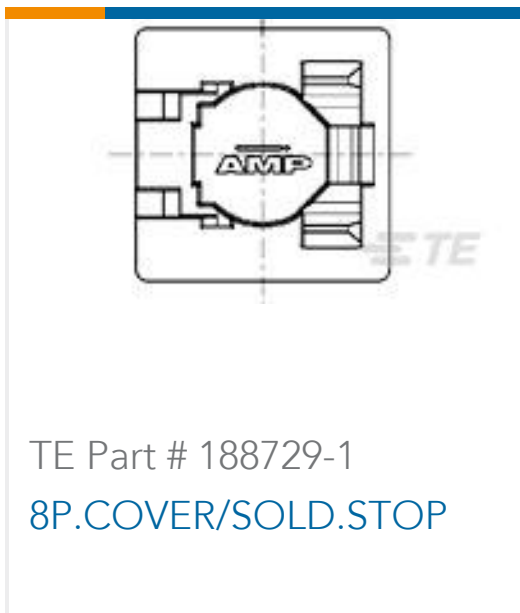
[For compliance documentation, visit the product page on TE.com>](#)

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: JAN 2019 (197) Candidate List Declared Against: JUN 2018 (191)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°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.

### Compatible Parts



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

### Customers Also Bought



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



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



TE Part #826632-5  
5P AMPMODU II PIN HDR



TE Part #826629-2  
2P AMPMODU II



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



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



TE Part #215877-1  
8/8 PCB MOD.JACK SE



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



TE Part #826629-3  
3P AMPMODU II

### Documents

#### Product Drawings

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

English

#### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_100616-1\\_G.3d\\_stp.zip](#)

English

[Customer View Model](#)



[ENG\\_CVM\\_CVM\\_100616-1\\_G.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_100616-1\\_G.3d\\_igs.zip](#)

English

---

### 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