



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

Panel Ground Location	Top
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Status Indicator Type	None
Number of Positions	10
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Body Features

Shield Plating Material	Nickel
Shield Material	Brass



Modular Jack Latch Orientation	Standard - Latch Down
--------------------------------	-----------------------

Connector Profile	Low
-------------------	-----

Contact Features

Contact Underplating Material	Nickel
-------------------------------	--------

PCB Contact Termination Area Plating Material	Gold Flash
---	------------

Contact Current Rating (Max)	1 A
------------------------------	-----

Contact Mating Area Plating Material	Gold
--------------------------------------	------

Contact Base Material	Phosphor Bronze
-----------------------	-----------------

Contact Mating Area Plating Material Thickness	.15 μm [6 μin]
--	---------------------------------------

Termination Features

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

Termination Post & Tail Length	3.25 mm[.128 in]
--------------------------------	------------------

Mechanical Attachment

Panel Mount Feature	Without
---------------------	---------

Connector Mounting Type	Board Mount
-------------------------	-------------

Housing Features

Mating Entry Location	Side
-----------------------	------

Centerline (Pitch)	1.02 mm[.04 in]
--------------------	-----------------

Housing Color	Black
---------------	-------

Housing Material	PA 46 GF30
------------------	------------

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
-----------------------------	-----------------

Connector Height	12.25 mm[.482 in]
------------------	-------------------

Usage Conditions

Operating Temperature Range	-40 – 85 $^{\circ}\text{C}$ [-40 – 185 $^{\circ}\text{F}$][-40 – 185 $^{\circ}\text{F}$]
-----------------------------	--

Operation/Application

Shielded	Yes
----------	-----

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Performance Category	Cat 3
----------------------	-------

Packaging Features



Packaging Quantity	25
Packaging Method	Box & Tray, Tray

Product Compliance

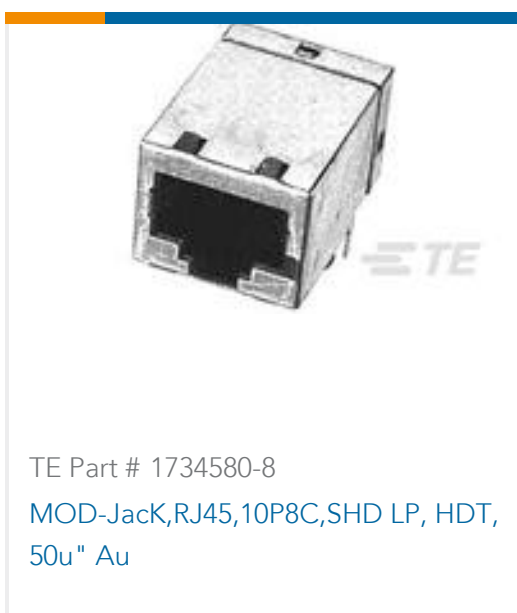
[For compliance documentation, visit the product page on TE.com>](#)

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 2021 (211) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
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 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



Customers Also Bought



Documents

Product Drawings

MOD-Jack,RJ45,10P8C,SHD LP, HDT, 6u" Au

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1734580-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1734580-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1734580-5_B.3d_stp.zip

English

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

Product Specifications



Product Specification

English

Product Specification

English