

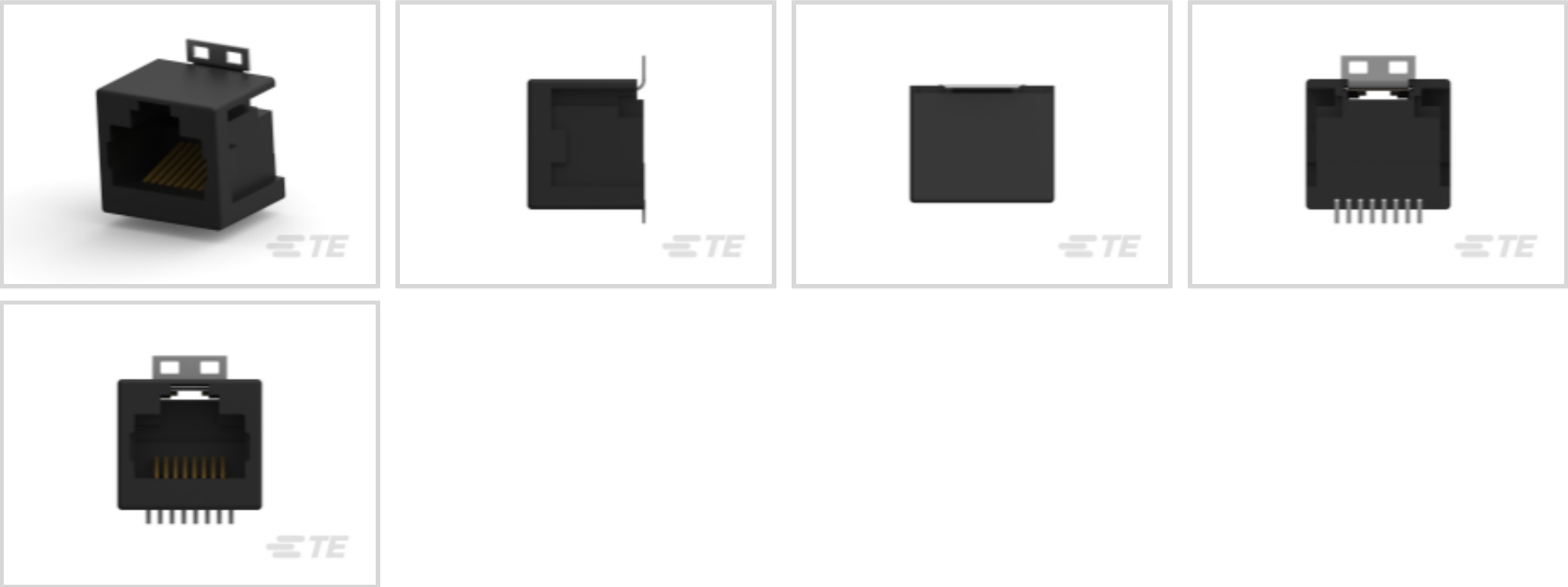


TE Internal #: 2-338088-3

RJ45 Connector, Single Port, 1 x 1, Jack, Cat 3, Standard - Latch Down, 8 Position, Standard Profile, Surface Mount, Vertical, Top Entry, None

[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

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	None
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Vertical

Body Features

--	--



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

Connector Profile	Standard
-------------------	----------

Contact Features

PCB Contact Termination Area Plating Material	Tin
-----------------------------------------------	-----

Contact Current Rating (Max)	1.5 A
------------------------------	-------

Contact Mating Area Plating Material	Nickel (Ni)
--------------------------------------	-------------

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

Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]
------------------------------------------------	-----------------

Termination Features

Termination Method to PCB	Surface Mount
---------------------------	---------------

Termination Post & Tail Length	1.5 mm[.059 in]
--------------------------------	-----------------

Mechanical Attachment

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

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

Housing Features

Mating Entry Location	Top
-----------------------	-----

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

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

Housing Material	PA 4T GF30
------------------	------------

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
-----------------------------	------------------

Connector Height	12.7 mm[.5 in]
------------------	----------------

Usage Conditions

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

Operation/Application

Indicator Type	No Indicator
----------------	--------------

Shielded	No
----------	----

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

Industry Standards

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

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

Packaging Features



Packaging Quantity	500
Packaging Method	Reel

Product Compliance

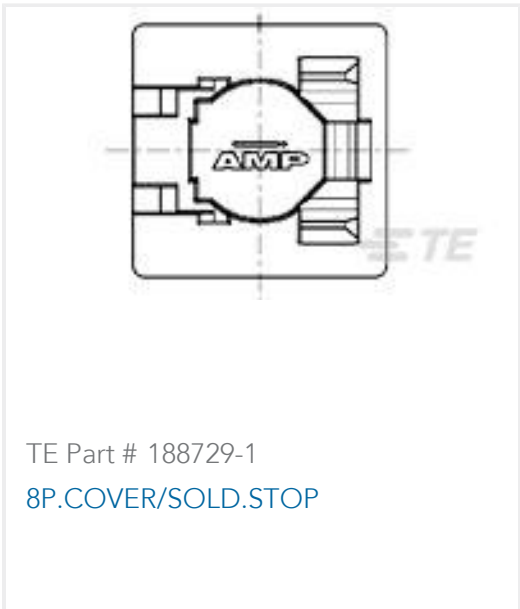
For compliance documentation, visit the product page on TE.com>

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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°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



TE Part #4-2176215-6
CPF A 0402 82K 0.1% 25PPM 1K RL

TE Part #6274127-1
JACK, PCB, 75 OHM, R/A, BNC

TE Part #254538-E
SMCQ 32 M AB VV 8-03 CL * H007 137 E05

TE Part #2176117-6
TLR 1206 1.0W R004 1% 50PPM 2K RL E005

TE Part #1676185-1
RN 0805 140R 0.1% 10PPM CUT LENGTH

TE Part #4-794630-4
14P MICRO MNL ASSY,VRT,HDR,LF

TE Part #3-2176421-0
TLRP 2512 2.0W R068 1% 25PPM 4K RL

TE Part #4391-BHQ-T-005-001
5 PSI Differential Sensor

TE Part #281742-8
HEADER HE14 RA 2X8 P

TE Part #55675-1
RECEPT,PIDG FASTON 22-18 250

Documents

Product Drawings

8P/8C INV MJ, SMT 22" TOP REEL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-338088-3_Z.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-338088-3_Z.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-338088-3_Z.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

Product Specifications

AMP surface mount modular jack

English

Application Specification

English

Agency Approvals

UL Report

English