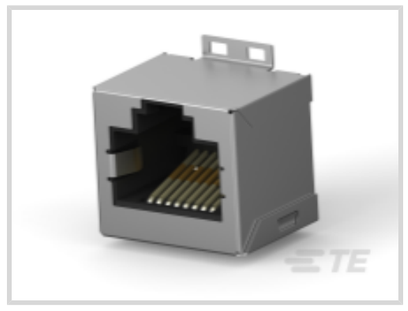
1705549-1 ✔ ACTIVE

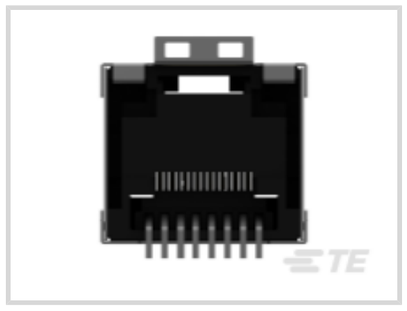
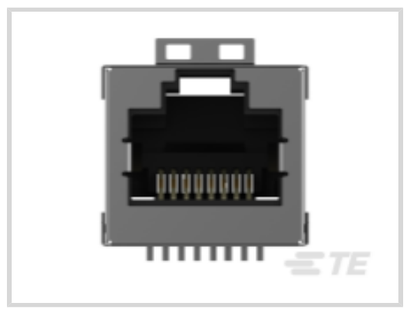
TE Internal #: 1705549-1

RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Cat 3, 8 Position, Standard Profile, Surface Mount, Vertical, Top Entry, PCB Ground

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	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
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Vertical

Body Features

Shield Plating Material	Tin
Shield Material	Brass
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.75 µm[30 µin]

Termination Features

Termination Method to PCB	Surface Mount
Termination Post & Tail Length	13 mm[.51 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	High Temperature Thermoplastic

Dimensions

Connector Height	13.02 mm[.512 in]

Usage Conditions

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

Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 3

Packaging Features

Packaging Quantity	250
Packaging Method	Tape & Reel

Product Compliance

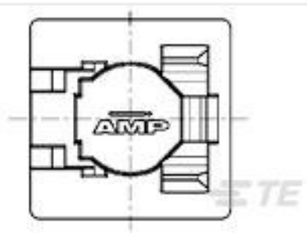
For compliance documentation, visit the product page on TE.com>

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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 Part # 188729-1
8P.COVER/SOLD.STOP

Customers Also Bought



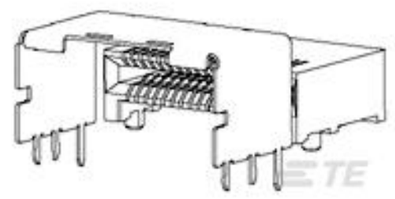
TE Part #178323-3
DYNAMIC D3100D HDR V 6P ASSY PdNI &AU076



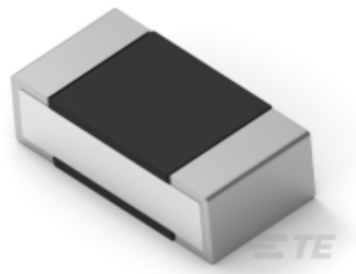
TE Part #1-640453-4
14P MTA100 HDR ASSY SQ R/A



TE Part #1-1775317-0
HPI.,2.5MM PITCH,V/T,SMT TYPE,10 POS



TE Part #1888019-4
Shielded Right Angle Receptacl



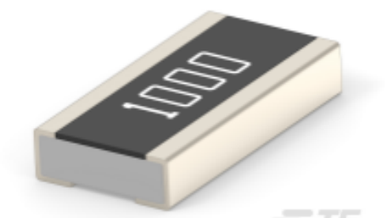
TE Part #1-2176313-1
RP 1E 0.1W 169K 0.1% 25PPM 1K RL



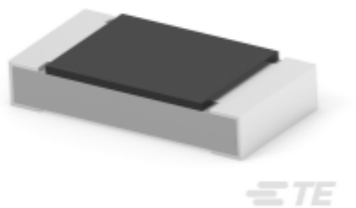
TE Part #2-2176339-5
CRGCQ 0603 1K0 1%



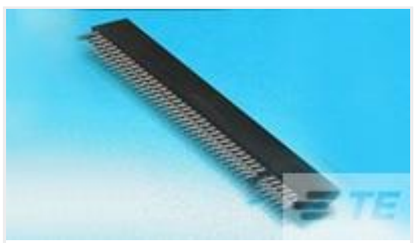
TE Part #3-2176349-4
CRGCQ 2512 5K6 1%



TE Part #4-2176558-4
3430 B2 1% 56R 100ppm 1k RL



TE Part #1-2176583-9
RLC73PN 2B R056 1% 1K RL



TE Part #5645235-1
CONN SEC II 31 POS 100C/L

Documents

Product Drawings

Invertible Modular Jack 8P shielded

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1705549-1_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1705549-1_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1705549-1_H.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Crimping of AMP EI Series Connector Contacts

Japanese

Application Specification

Japanese

Agency Approvals

UL Report

English