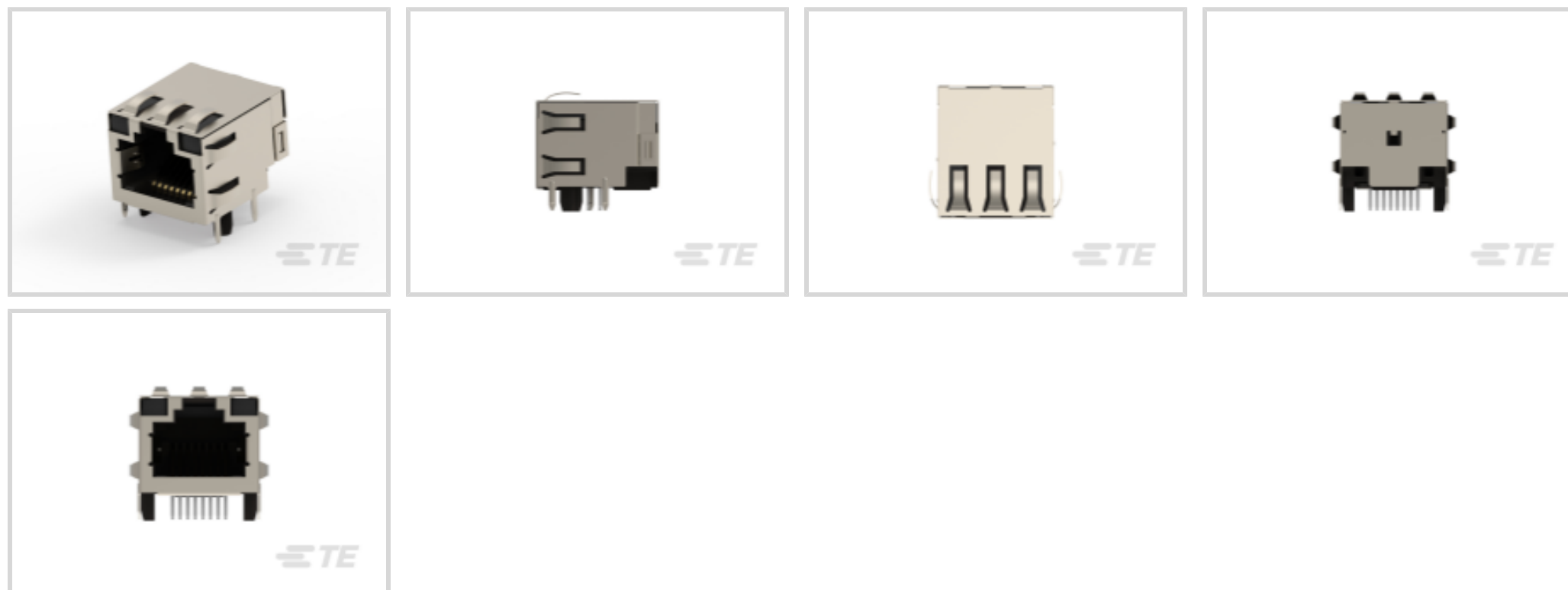# 1827585-1 ✔ ACTIVE

Industrial RJ45 IP20

TE Internal #: 1827585-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs,
Standard Connector Contact Density, Jack, Shielded, Cat 5e,
Industrial RJ45 IP20

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 and Panel Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Status Indicator Type	None
Panel Ground Location	Top and Side, Top
Number of PCB Ground Tabs	4
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8

1827585-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5e, Industrial RJ45 IP20

Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Body Features

LED Color (Top Left)	Clear
LED Color (Top Right)	Clear
Shield Plating Material	Tin over Nickel
Shield Material	Phosphor Bronze
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	2.54 μm[100 μin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post & Tail Length	3 mm[.118 in]

Mechanical Attachment

Panel Mount Feature	With
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.02 mm[.04 in]
Housing Color	Black
Housing Material	High Temperature Thermoplastic

Dimensions

PCB Thickness (Recommended)	1.6 mm[.063 in]
Connector Height	13.44 mm[.529 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

1827585-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5e, Industrial RJ45 IP20

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 5e

Packaging Features

Packaging Method	Box & Tray, Tray

Product Compliance

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

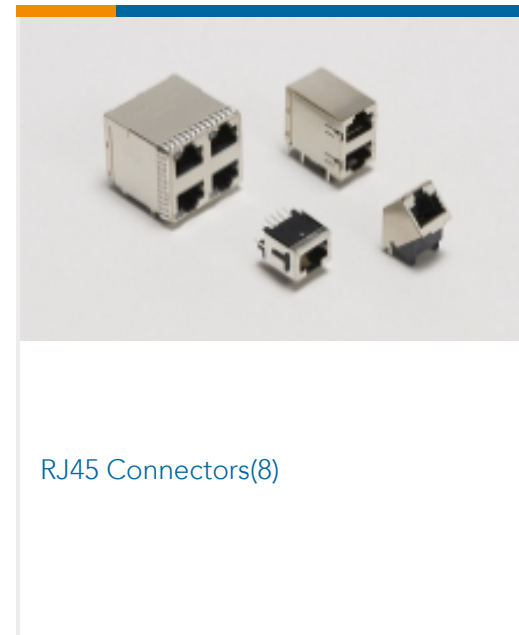|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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
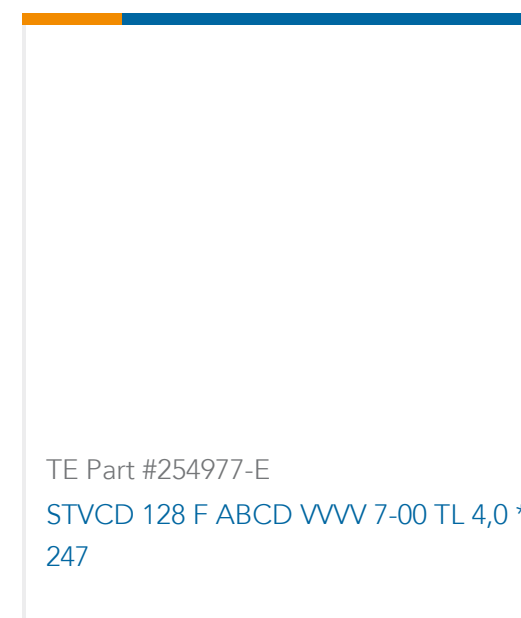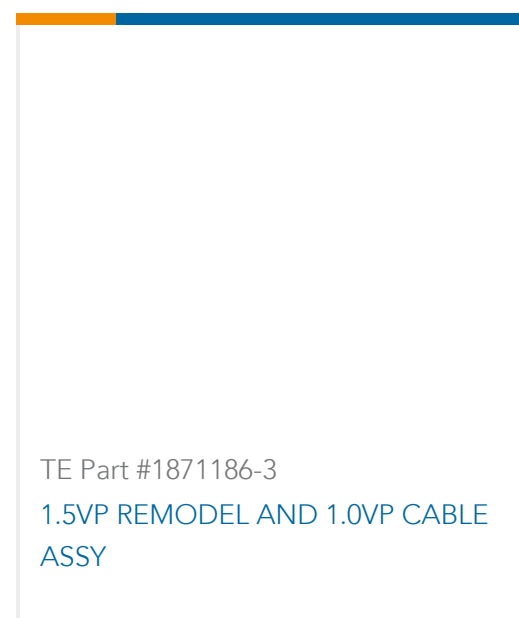
Compatible Parts

1827585-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5e, Industrial RJ45 IP20

TE Part # 2120892-1
RJ45 CONNECTOR CAT6A, IP20 PLUG

Also in the Series | Industrial RJ45 IP20

Circular Ethernet Hardware(1)

PCB D-Sub Connectors(1)

RJ45 Connectors(8)

Customers Also Bought

TE Part #1-2349815-2
D3950 REC 8POSN. 1ROW X KEY MARKED

TE Part #640384-2
02P MTA156 HDR ASSY STR RND SN

TE Part #5-103414-2
04 MODII HDR SRST SHRD LF

TE Part #1-2349825-8
D4950 REC 8POSN 1ROW TRAY AU

TE Part #2349891-1
D4950 OPENER

TE Part #2-1419108-5
RTB14012F

TE Part #1871186-3
1.5VP REMODEL AND 1.0VP CABLE ASSY

TE Part #254977-E
STVCD 128 F ABCD VVVV 7-00 TL 4,0 * 247

Documents

Product Drawings
RJ45 MODULAR JACK ASSY H 8P

English

CAD Files
3D PDF

3D

1827585-1

RJ45 Connectors, RJ45, Single Port, 1 x 1, RJ Type Jacks & Plugs, Standard
Connector Contact Density, Jack, Shielded, Cat 5e, Industrial RJ45 IP20

Customer View Model

ENG_CVM_CVM_1827585-1_D_c-1827585-1-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1827585-1_D_c-1827585-1-d.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1827585-1_D_c-1827585-1-d.3d_stp.zip

English

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

Product Specifications

Industrial Modular Jack RJ45 Conn

Japanese

Product Specification

Japanese