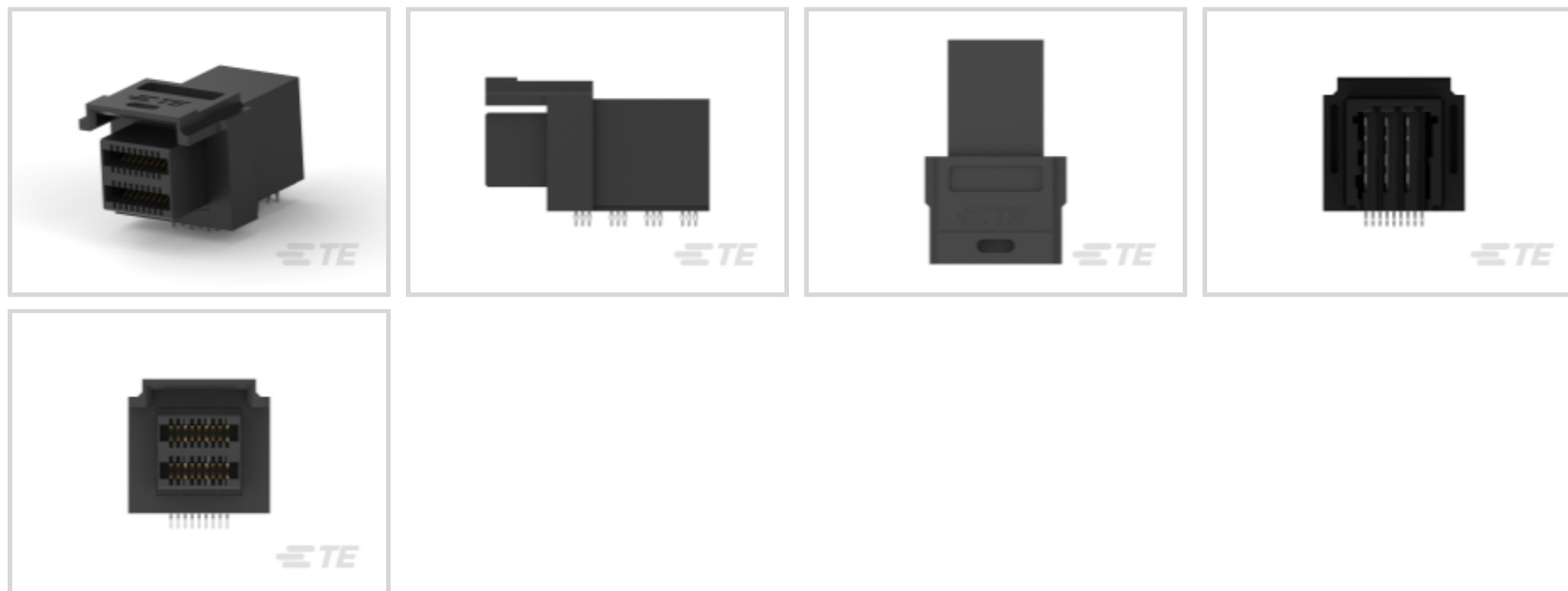# 2227580-1 ✓ ACTIVE

Mini-SAS HD
TE Internal #: 2227580-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 36 Position, 4 Row, 1 Port, Right Angle, Through Hole - Press-Fit, Mini-SAS HD

View on TE.com >

Connectors > PCB Connectors > SAS & MiniSAS > Internal Mini-SAS HD Receptacles

SAS Connector Type: **Internal Mini-SAS HD**

Connector & Housing Type: **Receptacle**

Connector System: **Cable-to-Board**

Number of Positions: **36**

Number of Rows: **4**

All Internal Mini-SAS HD Receptacles (6)

Features

Product Type Features

Shell	Without
Connector & Contact Terminates To	Printed Circuit Board
SAS Connector Type	Internal Mini-SAS HD
Connector & Housing Type	Receptacle
Connector System	Cable-to-Board

Configuration Features

Number of Positions	36
Number of Rows	4
Number of Ports	1
PCB Mount Orientation	Right Angle

Body Features

Primary Product Color	Black

Contact Features

2227580-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 36 Position, 4 Row, 1 Port, Right
Angle, Through Hole - Press-Fit, Mini-SAS HD

Contact Mating Area Plating Material	Gold
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy

Termination Features

Termination Method to PCB	Through Hole - Press-Fit

Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	M2 Screw

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.75 mm[.029 in]

Dimensions

Profile Height from PCB	13.9 mm[.547 in]

Usage Conditions

High Temperature Housing	Yes
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241)

2227580-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 36 Position, 4 Row, 1 Port, Right
Angle, Through Hole - Press-Fit, Mini-SAS HD

	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	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 # 2149027-1

MiniSAS HD 1x1 Rec Assy

TE Part # 2227640-1
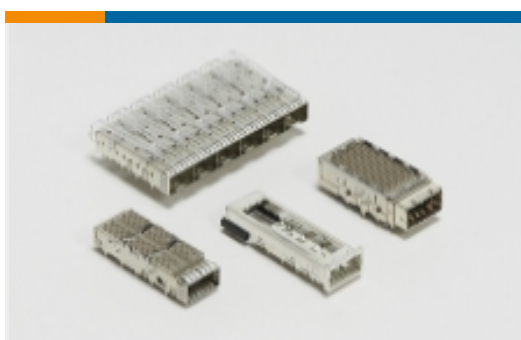
1X2 VERT ASSY, MINI SAS HD
INTERNAL

TE Part # 2170563-1

12G SAS RECEPTACLE, 29 POS

Also in the Series | Mini-SAS HD

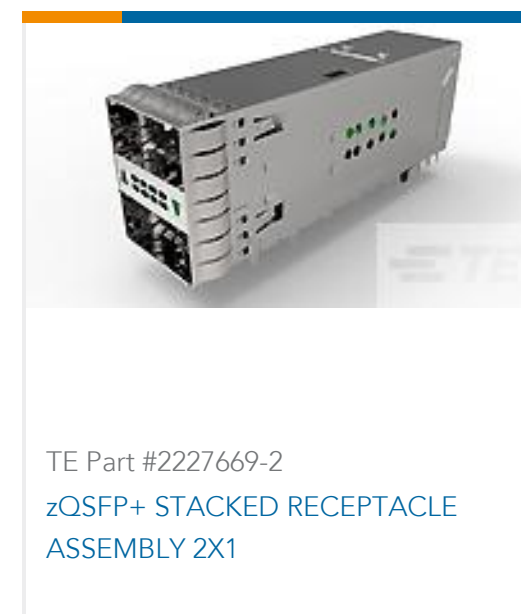Pluggable I/O Cable Assemblies(18)

Pluggable IO Connectors & Cages(11)

SAS & MiniSAS(10)

SATA & Micro SATA(1)

Customers Also Bought

2227580-1

Internal Mini-SAS HD, Receptacle, Cable-to-Board, 36 Position, 4 Row, 1 Port, Right Angle, Through Hole - Press-Fit, Mini-SAS HD

TE Part #1-2007637-6
SFP+assy 2x2 EMI Spg Inner LP Sn Enhance

TE Part #1241050-2
2x2P MOD II BREAK AWAY HDR,SMD, BLISTER

TE Part #1241050-3
2x3P MOD II BREAK AWAY HDR,SMD, BLISTER

TE Part #2227669-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1

TE Part #1802105-2
1PORT,MATENET,REC HSG,SLD,CODB,UTP,ASSY

TE Part #1SNK712021R0000
ZK16-3P-BL

TE Part #2298116-1
MATE-AX, Socket outer contact, RTK 031

TE Part #2374902-1
GEMnet HDR, ASSY, 2P, 90deg,COD A

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227580-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227580-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227580-1_A.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English