

6376609-1 ✓ ACTIVE

AMPMODU | Micro Stack

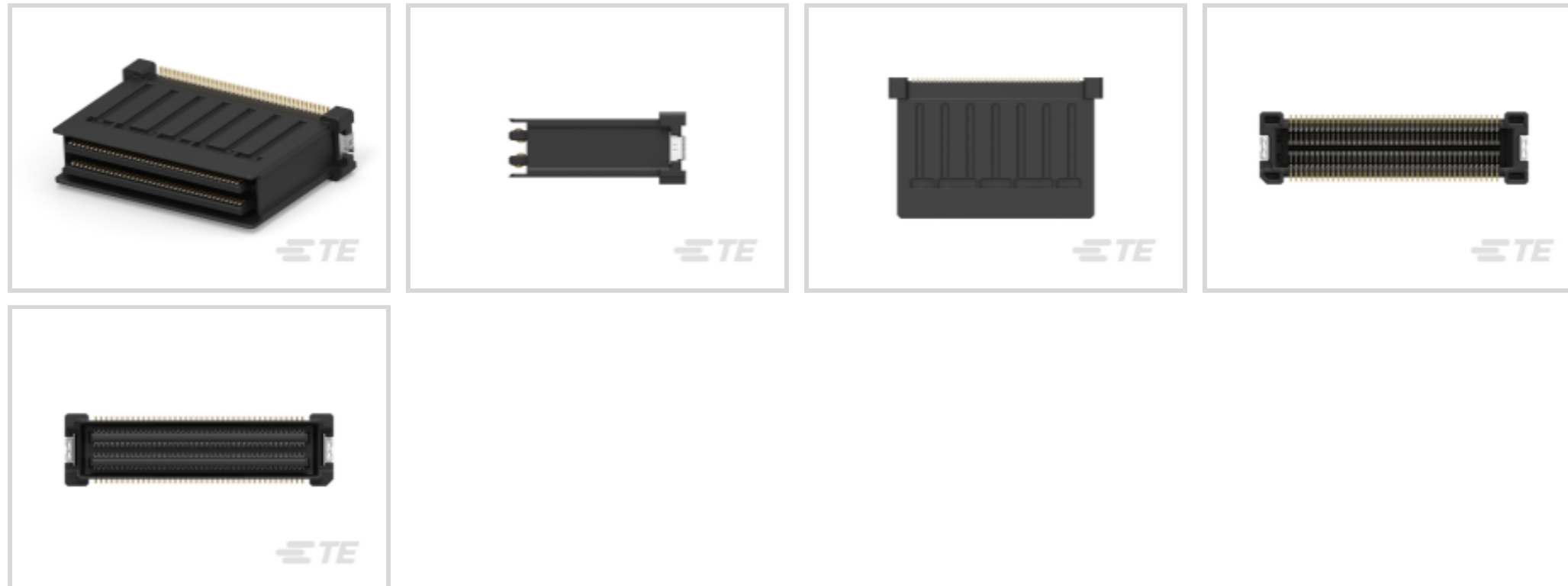
TE Internal #: 6376609-1

PCB Mount Header, Vertical, Board-to-Board, 80 Position, .6 mm [.023 in] Centerline, Partially Shrouded, Gold, Surface Mount, Signal, Micro Stack

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **80**

Centerline (Pitch): **.6 mm [.023 in]**

Features

Electrical Characteristics

Operating Voltage	10 VAC
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Dimensions

Stack Height	30 mm
PCB Thickness (Recommended)	1.6 mm
Connector Height	20 mm [.787 in]

Packaging Features

Packaging Quantity	45
Packaging Method	Tray

Mechanical Attachment

PCB Mount Retention Type	Solder Peg
Mating Alignment Type	Chamfered Edges
PCB Mount Alignment Type	Solder Peg
PCB Mount Retention	With
PCB Mount Alignment	With



Connector Mounting Type	Board Mount
Mating Alignment	With

Termination Features

Rectangular Termination Post & Tail Width	1 mm[.04 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Method to PCB	Surface Mount

Contact Features

Contact Mating Area Plating Material Thickness	.3 μ m
PCB Contact Termination Area Plating Material Thickness	.3 μ m[31.5 μ in]
Contact Base Material	Copper Alloy
PCB Contact Termination Area Plating Material	Gold Flash
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	.5 A

Housing Features

Mating Entry Location	Top
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.6 mm[.023 in]

Configuration Features

Board-to-Board Configuration	Parallel
Stackable	Yes
PCB Mount Orientation	Vertical
Number of Positions	80

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Partially Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Body Features

Primary Product Color	Black
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Usage Conditions



Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Other

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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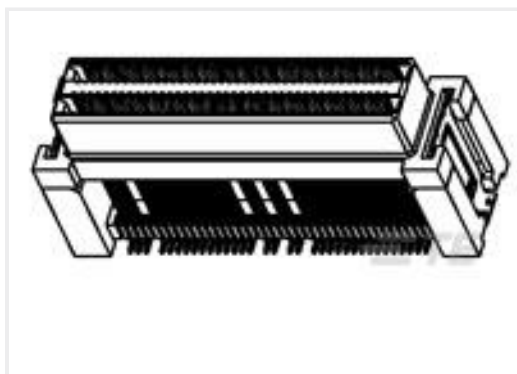
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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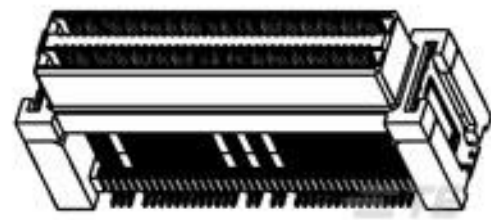
Product Compliance Disclaimer

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 # 6376608-2
MICRO STACK REC ASSY 80P WITH TAPE



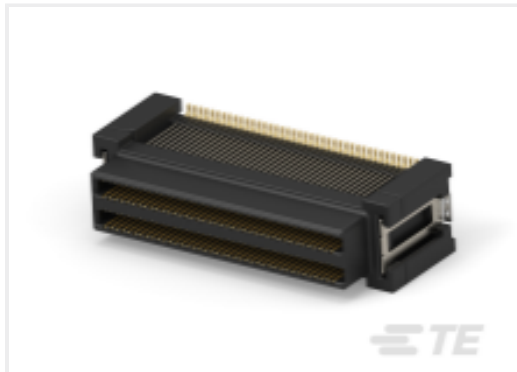
TE Part # 6473201-1
MICRO STACK REC ASSY 68P



TE Part # 6376608-4
MICRO STACK REC ASSY 80P WITH TAPE



TE Part # 6376609-3
MICRO STACK HDR ASSY 80P H=20 TAPE

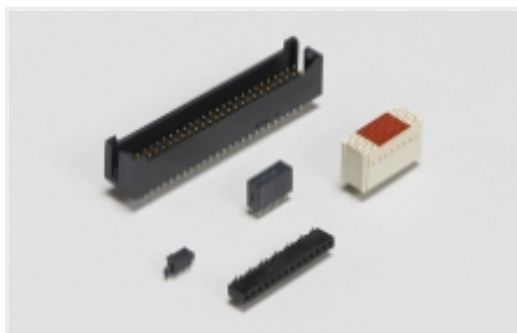


TE Part # 6376608-1
MICRO STACK REC ASSY 80P

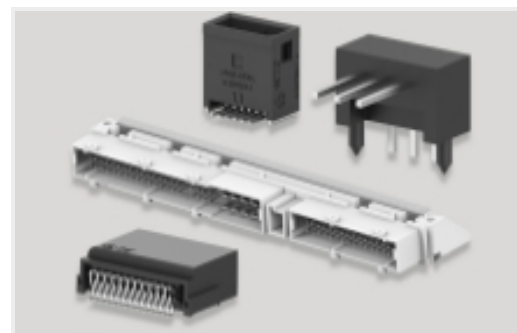


TE Part # 6376608-3
MICRO STACK REC ASSY 80P

Also in the Series | **Micro Stack**



Board-to-Board Headers & Receptacles(13)



PCB Headers & Receptacles(13)

Customers Also Bought



TE Part #160824-6
FF 250 REC 0.5-2.5MM2 PB



TE Part #1-170823-4
187 FASTON SLEEVE, REC., TRANSPARENT, NAT



TE Part #42617-1
187 FASTON REC 20-16 AWG BR



TE Part #1827569-2
DYNAMIC D1000 REC CONT S AU 0.38um FORM



TE Part #1981584-1
MICRO USB, TYPE A/B, GRAY



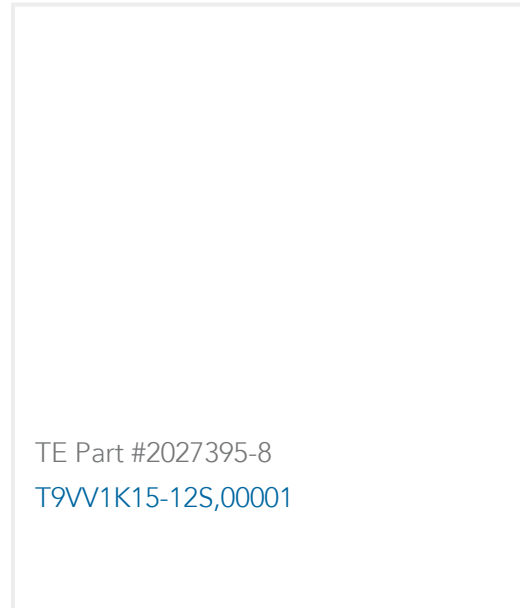
TE Part #3-1827253-6
.5FHP05H, 220, S, GIG, 08/Sn, HT, NSYes



TE Part #1473562-4
RITS CONN. PLUG ASSY 4P YELLOW



TE Part #1-2348455-4
DYNAMIC 1200D HDR ASSY H 8PX BLACK TIN



Documents

Product Drawings

[MICRO STACK HDR ASSY 80P H=20](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_6376609-1_H.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6376609-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6376609-1_H.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

Japanese