

2-2271793-0 ✓ ACTIVE

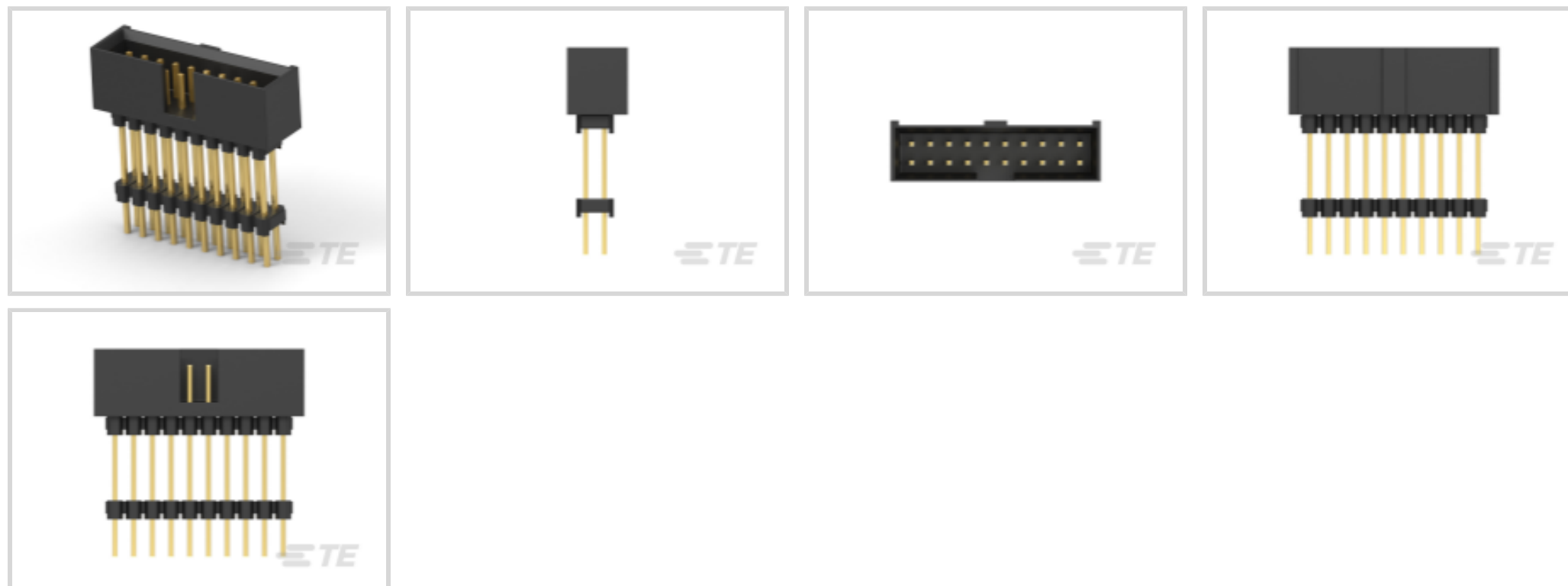
TE Internal #: 2-2271793-0

PCB Mount Header, Vertical, Board-to-Board, 20 Position, 2 Rows, .079in [2mm] Centerline, Fully Shrouded, Gold, Printed Circuit Board

[View on TE.com >](#)



Connectors > PCB Connectors > Board-to-Board Connectors > Board-to-Board Headers & Receptacles



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **20**

Number of Rows: **2**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Board-to-Board
Header Type	Fully Shrouded
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

PCB Mount Orientation	Vertical
Number of Positions	20
Number of Rows	2
Board-to-Board Configuration	Parallel

Body Features

Primary Product Color	Black
-----------------------	-------

Contact Features

Mating Square Post Dimension	.5 mm[.019 in]
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.08 μ m[3 μ in]



Contact Type	Pin
--------------	-----

Contact Current Rating (Max)	2 A
------------------------------	-----

Termination Features

Square Termination Post & Tail Dimension	.5 mm[.019 in]
------------------------------------------	----------------

Termination Post & Tail Length	4 mm[.157 in]
--------------------------------	---------------

Termination Method to Printed Circuit Board	Through Hole - Solder
---------------------------------------------	-----------------------

Mechanical Attachment

Mating Alignment	Without
------------------	---------

PCB Mount Retention	Without
---------------------	---------

PCB Mount Alignment	Without
---------------------	---------

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

Housing Features

Centerline (Pitch)	2 mm[.079 in]
--------------------	---------------

Housing Material	PA 9T
------------------	-------

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
--------------------	---------------

Stack Height	7.65 mm[.3 in]
--------------	----------------

PCB Thickness (Recommended)	.8 mm[.031 in]
-----------------------------	----------------

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Assembly Process Feature	Pick and Place Cover
--------------------------	----------------------

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

Industry Standards

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

Packaging Features

Packaging Type	Tape & Reel
----------------	-------------

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUL 2021
(219)Candidate List Declared Against: JAN 2020
(205)SVHC > Threshold:
Not Yet Reviewed

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per
homogenous material. Also BFR/CFR/PVC
Free

Solder Process Capability

Not reviewed 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Customers Also Bought



TE Part #2292055-1
RECEPTACLE ASSY RA 50 POSN MBC



TE Part #1982295-1
ELCON MINI 2P RA HEADER, W /CODING



TE Part #2042274-1
ELCON MINI 2P VERT HEADER,W/ CODING



TE Part #2301995-1
RJ45 JACK INT.MAG. 1GB 1X1 VERT.



TE Part #2204535-1
ELCON MINI 2X3P STACKED RA HEADER,SOLDER



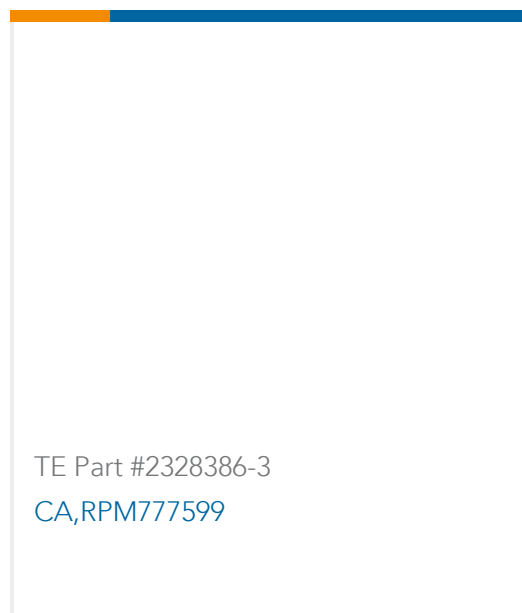
TE Part #2170359-1
INV MJ,1X4,PNL GRD



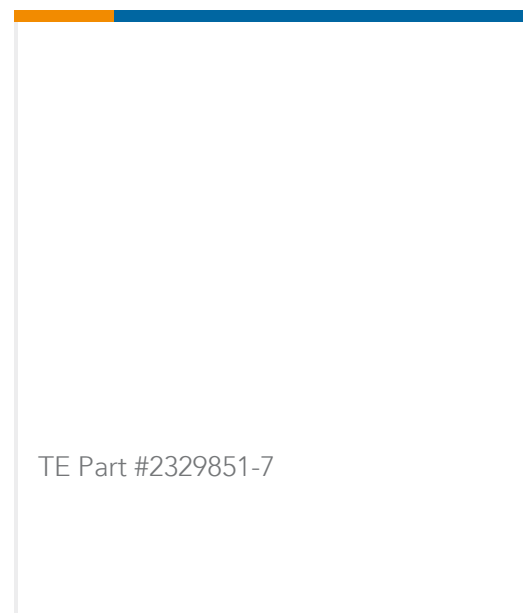
TE Part #1776130-8
8P TERMI-BLOK HDR,HIGH TEMP



TE Part #2288589-2
1X5 SFP+ CAGE EMI EHANCED WITH HS



TE Part #2328386-3
CA,RPM777599



TE Part #2329851-7

Documents

Product Drawings

[AMPMODU PIN BOX HDR 2.0PITCH 2R H=12.9](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2271793-0_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2271793-0_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2271793-0_C.3d_stp.zip](#)

English

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

Product Specifications



Product Specification

English

Product Environmental Compliance

TE Material Declaration

English