

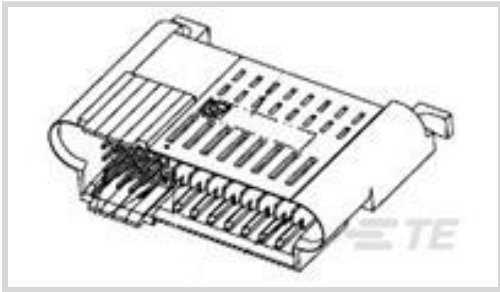
MINIPAK

TE Internal #: 1-1892786-1
Rectangular Power Connectors, Header, Plug, Board-to-Board, 68
Position, 7.5 mm / 2.75 mm [.079 in / .108 in] Centerline, Printed
Circuit Board

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**
Connector & Housing Type: **Plug**
Connector System: **Board-to-Board**
Number of Positions: **68**
Centerline (Pitch): **2.75 mm, 7.5 mm [.079 in, .108 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions by Circuit Application	20/Signal, 8/DC Power
Number of Positions	68
PCB Mount Orientation	Right Angle
Number of Power Positions	8
Number of Signal Positions	20
Number of Rows	5
Board-to-Board Configuration	Co-Planar

Electrical Characteristics

Operating Voltage	250 VDC
-------------------	---------

Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 µm[20 µin]
---	---------------



Contact Underplating Material Thickness	1.27 µm[50 µin]
Contact Mating Area Plating Material	Gold
Contact Shape & Form	Single Beam
Contact Underplating Material	Nickel
Contact Base Material	Copper
Contact Current Rating (Max)	17 A
Contact Retention Within Housing	With
Contact Type	Blade, Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3 µm, 30 µm[.08 µin][.76 – .82 µin]

Termination Features

Termination Post & Tail Length	3.3 mm[.13 in]
Termination Method to Wire & Cable	Solder
Termination Method to Printed Circuit Board	Through Hole - Press-Fit, Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Screw Mount
Mating Alignment Type	Passive Guide
Mating Retention	Without
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Screw Mount
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2.75 mm, 7.5 mm[.079 in][.108 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Connector Height	8 mm[.315 in]
PCB Thickness (Recommended)	.06 mm[1.4 in]
Product Width	32.5 mm[1.28 in]
Product Length	51.71 mm[2.04 in]



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

Usage Conditions

Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

CSA Rating	Certified
UL Rating	Recognized
Agency/Standard	CSA
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Box
------------------	-----

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	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 # 2-1926739-5

[AssyMinipak HdI25s10pRARecptSc](#)

Customers Also Bought

TE Part #206070-8

[CABLE CLAMP KIT #17](#)

TE Part #DT04-2P

[REC, 2P, GRY, N](#)

TE Part #DT06-2S

[PLG, 2P, GRY, N](#)

TE Part #W2S

[Wedgelocks: DEUTSCH DT](#)

TE Part #0462-201-16141

[DEUTSCH Solid Contacts](#)

TE Part #282104-1

[AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING](#)

TE Part #281934-2

[SINGLE WIRE SEAL](#)

Documents

Product Drawings

[Assy Minipak HDL 20s8PRAPlugSc](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1892786-1_1.2d_dxf.zip](#)

English

Customer View Model

1-1892786-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 68 Position, 7.5 mm / 2.75 mm [.079 in / .108 in] Centerline, Printed Circuit Board



[ENG_CVM_CVM_1-1892786-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1892786-1_1.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English