



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Product Type: **Header**

Housing Type: **Plug**

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

Number of Positions: **85**

Centerline (Pitch): **2 mm, 2.75 mm [.079 in, .108 in]**

Features

Product Type Features

Product Type	Header
Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Contact Type	Pin

Configuration Features

Mating & Unmating Configuration	Make First / Break Last
Number of Positions	85
PCB Mount Orientation	Right Angle
Number of Power Positions	10
Number of Signal Positions	25
Number of Rows	5
Row-to-Row Spacing	.079 mm[2 in]
Board-to-Board Configuration	Co-Planar



Electrical Characteristics

Dielectric Withstanding Voltage (Max)	2500 VDC, 700 VDC
Operating Voltage	250 VDC
Insulation Resistance	1000 MΩ

Body Features

Connector Profile	Low
-------------------	-----

Contact Features

Contact Layout	Matrix
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy, Phosphor Bronze
Contact Current Rating (Max)	16 A
Contact Retention	With
Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Thickness	.76 μm[30 μin]
Underplate Material Thickness	1.27 μm[50 μin]
Contact Design	Single Beam
Contact Termination Area Plating Thickness	.5 μm[19.685 μin][20 μin]

Termination Features

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

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2 mm, 2.75 mm[.079 in][.108 in]
--------------------	---------------------------------



UL Flammability Rating	UL 94V-0
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

PCB Thickness (Recommended)	.055 mm[1.4 in]
Width	26.5 mm[1.043 in]
Height	8 mm[.315 in]
Length	51.71 mm[2.04 in]

Usage Conditions

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

Operation/Application

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

Industry Standards

CSA Rating	Certified
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized

Packaging Features

Packaging Method	Box & Tube, Box
Packaging Quantity	32

Other

For Use With	Receptacle Housing
--------------	--------------------

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: JAN 2019 (197) Not Yet Reviewed

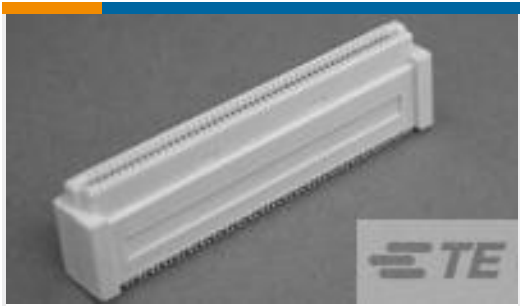



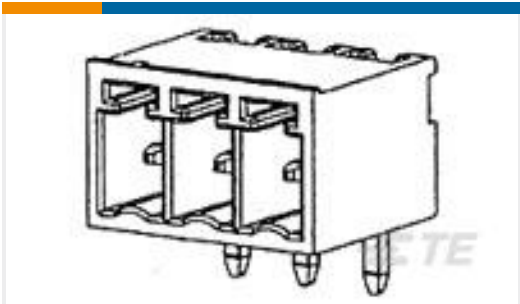







Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

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 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.

Customers Also Bought

 <p>TE Part #5084618-2 0.8FH,R13H.5,060,30/Sn, TR,SC</p>	 <p>TE Part #2013311-3 SEMI-HARD TRAY DDR3 204P 9.2H RVS Au0.76</p>	 <p>TE Part #2057162-1 SFP+ 1X4 Cage Assembly, PF, EF</p>	 <p>TE Part #1658470-1 MSB0.80PL30ASY040FL,-, 30,-TY</p>
 <p>TE Part #1776135-2 2P TERMI-BLOK HDR, HIGH TEMP</p>	 <p>TE Part #2007855-3 IMP100S,H,V5P10C,UG, REW39,5.5</p>	 <p>TE Part #2007857-2 IMP100S,H,V5P16C,LG, OEW39,4.9</p>	 <p>TE Part #2013310-3 SEMI-HARD TRAY DDR3 204P 9.2H STD Au0.76</p>
 <p>TE Part #4-6450860-2 MBXLE VERT RCPT pf 2LP+8S+2P</p>	 <p>TE Part #7-6450550-1 MBXL VERT RCPT 2P+24S+2P</p>		

Documents



Product Drawings

AssyMINIPAKHDL25a10pRAplugBdlk

English

CAD Files

Customer View Model

ENG_CVM_CVM_2-1926730-5_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1926730-5_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1926730-5_D.3d_stp.zip

English

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English