



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: **85**
Centerline (Pitch): **2 mm, 2.75 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

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
Board-to-Board Configuration	Co-Planar



Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	250 VDC

Body Features

Connector Profile	Low
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Contact Features

PCB Contact Termination Area Plating Material Thickness	.5 μm[19.685 μin][20 μin]
Contact Layout	Matrix
Contact Underplating Material Thickness	1.27 μm[50 μin]
Contact Mating Area Plating Material	Tin
Contact Shape & Form	Single Beam
Contact Underplating Material	Nickel
Contact Base Material	Copper Alloy, Phosphor Bronze
Contact Current Rating (Max)	16 A
Contact Retention Within Housing	With
Contact Type	Blade, Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm[30 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 Retention	Without
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	2 mm, 2.75 mm[.079 in][.108 in]
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Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Connector Height	8 mm[.315 in]
PCB Thickness (Recommended)	.06 mm[1.4 in]
Product Width	26.5 mm[1.043 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]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

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

Packaging Features

Packaging Quantity	32
Packaging Method	Box, Box & Tube

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: JAN 2023 (233) Does not contain REACH SVHC

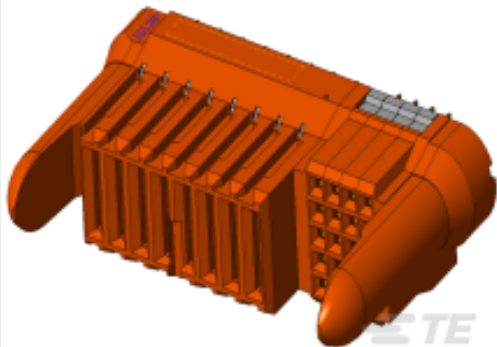
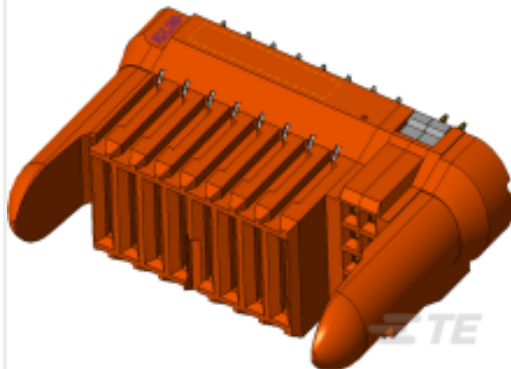
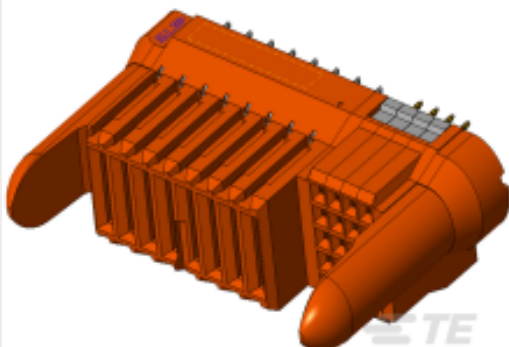


Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Wave solder capable to 265°C

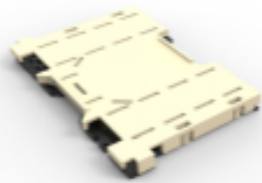
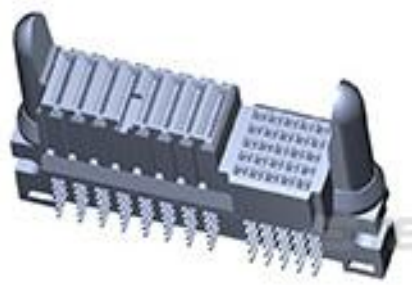
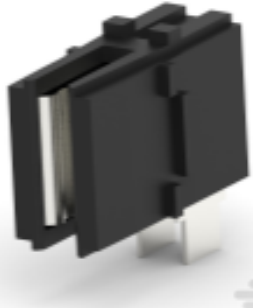
Product Compliance Disclaimer

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 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 # 1892787-6 Assy Vert MINIPAK HDL Rcpt 25s	TE Part # 1892787-9 Assy Vert MINIPAK HDL Rcpt 20s	TE Part # 1926845-7 Assy Vert MINIPAK HDL Rcpt 10s	TE Part # 1926845-9 Assy Vert MINIPAK HDL Rcpt 20s

Customers Also Bought

			
TE Part #2-2129710-5 LGA 3647 Sockets	TE Part #3-5353652-6 .5FHP08H,440,B,GIG,08/Sn,HT,NSYes	TE Part #2-1926739-5 AssyMinipak HdI25s10pRARecptSc	TE Part #1643903-3 Crown Clip Senior II, Ag Plating
			
TE Part #2178531-2 CROWN CLIP JUNIOR CONNECTOR	TE Part #2289129-2 ZQSFP+ CAGE& CONN 2X2, EMI SPRING, 4 LP	TE Part #2187793-1 SW PIR RECT, 100OHM, 4X10	TE Part #2187794-1 SW PIR RECT, 85OHM, 8X10



Documents

Product Drawings

AssyMINIPAKHDL25a10pRAplugBdlk

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1926730-5_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1926730-5_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1926730-5_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

Product Specifications

Application Specification

English