



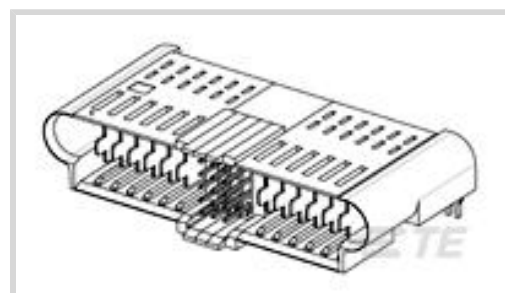
MINIPAK

TE Internal #: 1-1926720-6

Rectangular Power Connectors, Header, Plug, Board-to-Board, 87 Position, 2.75 mm [.108 in / .079 in] Centerline, Printed Circuit Board, UL 94V-0

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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: **87**

Centerline (Pitch): **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	87
PCB Mount Orientation	Right Angle
Number of Power Positions	6, 12
Number of Signal Positions	15
Number of Rows	5
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
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Contact Features

Contact Layout	Matrix
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	Gold
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Underplate Material Thickness	1.27 μm [50 μin]
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)	2.75 mm[.079 in][.108 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions



Row-to-Row Spacing	2 mm[.079 in]
PCB Thickness (Recommended)	.06 mm[1.4 in]
Width	26.5 mm[1.043 in]
Height	8 mm[.315 in]
Length	55.12 mm[2.17 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 Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized

Packaging Features

Packaging Method	Box, Box & Tray
Packaging Quantity	32

Other

For Use With	Receptacle Housing
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC

Free

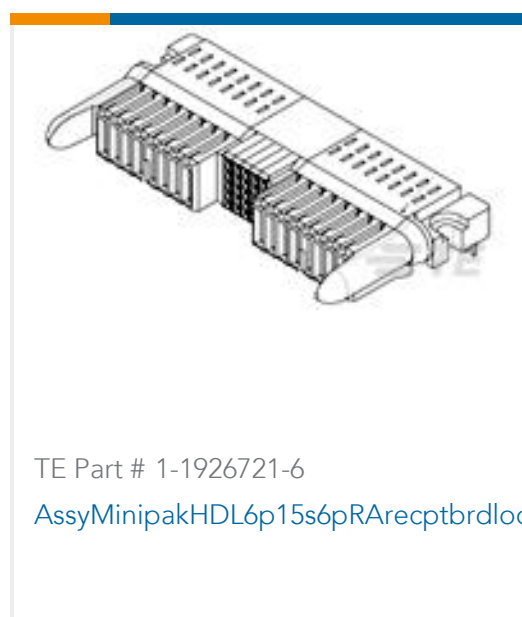
Solder Process Capability

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



Documents

Product Drawings

[AssyMinipakHDL6p15s6pPRAPlugbrdlock](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1926720-6_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1926720-6_C.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1926720-6_C.2d_dxf.zip](#)

English

3D PDF

3D

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

Datasheets & Catalog Pages



[POWER_CONNECTORS_CATALOG_SEC01_BOARD_TO_BOARD](#)

English

[2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1](#)

English

[8-1773448-5 MINIPAK HDL Connectors Datasheet](#)

English

[8-1773448-5 MINIPAK HDL Connectors Datasheet](#)

English

[Product Specifications](#)

[Application Specification](#)

English