1-1926721-6 ✔ ACTIVE

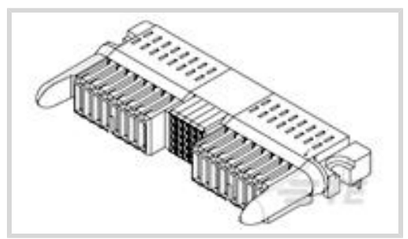
MINIPAK

TE Internal #: 1-1926721-6

PCB Mount Receptacle, Right Angle, Board-to-Board, 27 Position, 2 mm / 2.75 mm [.079 in / .108 in] Centerline, Fully Shrouded, Gold (Au)

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles



PCB Connector Type: **PCB Mount Receptacle**

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

Number of Positions: **27**

Number of Rows: **5**

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

Features

Product Type Features

Mixed & Hybrid Header	Yes
Connector Shape	Rectangular
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Number of Loaded Positions	27
Mating & Unmating Configuration	Make First / Break Last
Number of Positions	27
Number of Rows	5
PCB Mount Orientation	Right Angle
Board-to-Board Configuration	Co-Planar
Number of Power Positions	12
Number of Signal Positions	15

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	60 VDC

Body Features

Connector Profile	Low
Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
Contact Underplating Material Thickness	1.27 µm[50 µin]
PCB Contact Termination Area Plating Material Thickness	.5 µm[20 µin]
Contact Shape & Form	Single Beam
Contact Layout	Matrix
Contact Base Material	Copper Alloy, Phosphor Bronze
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Receptacle
Contact Current Rating (Max)	16 A
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.08 – .762 µm[3.15 – 30 µin]

Termination Features

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

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	2 mm, 2.75 mm[.079 in][.108 in]
Housing Material	LCP GF

Dimensions

Connector Width	36.5 mm[1.44 in]
Connector Height	11.63 mm[.46 in]
Connector Length	55.24 mm[2.17 in]
Row-to-Row Spacing	1.5 mm, 2 mm[.06 in][.079 in]
PCB Thickness (Recommended)	1.4 – 2.62 mm[.055 – .103 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	24
Packaging Method	Tray

Product Compliance

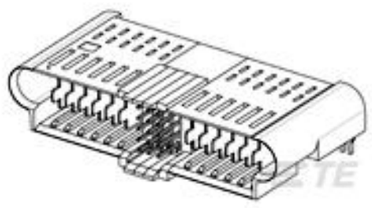
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

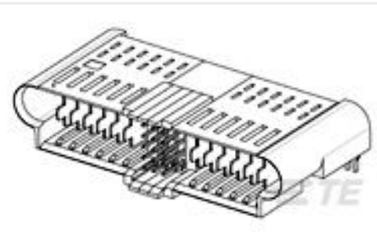


TE Part # 1-1926720-6
AssyMinipakHDL6p15s6PRAPlugbrdlock

Customers Also Bought



TE Part #1-406541-6
MJ,INV,1X1,6PNL G,.140"ST,SN



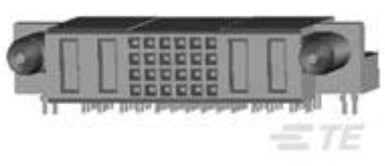
TE Part #1-1926720-6
AssyMinipakHDL6p15s6PRAPlugbrdlock



TE Part #2-2176337-7
CRGCQ 0402 1K5 1%



TE Part #2199119-3
M.2 0.5PITCH 3.2H KEY B 15U'' AU



TE Part #1-6450160-0
MBXL R/A RCPT 2P+24S+2P

Documents

Product Drawings

AssyMinipakHDL6p15s6pRArecptbrdlock

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1926721-6_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1926721-6_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1926721-6_D.3d_stp.zip

English

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

8-1773448-5 MINIPAK HDL Connectors Datasheet

English

8-1773448-5 MINIPAK HDL Connectors Datasheet

English

Product Specifications

Application Specification

English