# 1926736-2 ✔ ACTIVE

MINIPAK

TE Internal #: 1926736-2

Rectangular Power Connectors, Header, Plug, Board-to-Board, 85 Position, 2 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: **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

| | |
|---|---|
| Number of Positions by Circuit Application | 25/Signal, 10/DC Power |
| 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

| | |
|---|---|
| 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) | 16 A, 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 – .83 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 | 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 mm, 2.75 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 | 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] |

### 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)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 265°C |

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 Hdl25s10pRAReceptSc

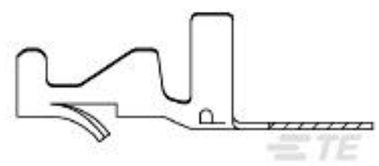
## Customers Also Bought

TE Part #2343522-7
SFP56 STACKED 2X2 RECEPTACLE ASSEMBLY

TE Part #207305-1
24 POS SQ GRID METRIMATE-RCPT

TE Part #2-1926739-5
AssyMinipak Hdl25s10pRAReceptSc

TE Part #1926736-3
MiniPAK HDL, 25s10p, RA Plug,



TE Part #3-640311-1
MINI AMP-IN 22-18 AWG . 008PTPPHBZ

TE Part #61505-2
RING TINSEL WIRE TPBR

TE Part #2204080-1
PLUGGABLE BUSBAR FOR 3MM BOARD

TE Part #2204273-1
IN-LINE MOUNT 500A BUSBAR CONN.

TE Part #1-84533-6
1.25MM FFC POST PLATED H 16P

TE Part #1926734-2
ASSYMINIPAKHDL25S10PRAPLUGBDLCK

## Documents

### Product Drawings

MiniPAK HDL, 25s10p, RA Plug,

English

## CAD Files

### Customer View Model

ENG_CVM_CVM_1926736-2_C.2d_dxf.zip

English

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1926736-2_C.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1926736-2_C.3d_stp.zip

English



## Datasheets & Catalog Pages

2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1

English

## Product Specifications

Application Specification

English

## Product Environmental Compliance

MD_1926736-2_110720172356_dmtec

English

MD_1926736-2_110720172356_dmtec

English