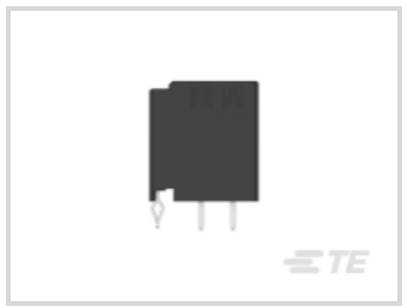
# 1-2341421-9 ✔ ACTIVE

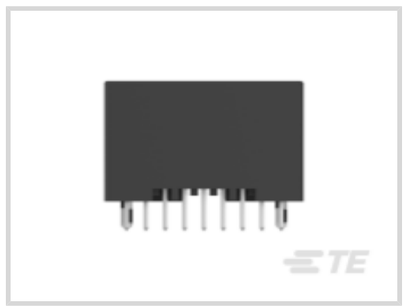
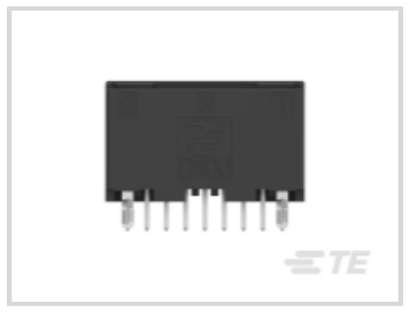
TE Internal #: 1-2341421-9

PCB Mount Header, Vertical, Wire-to-Board, 18 Position, 2 mm [.079 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Power & Signal, Black

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Assembly Type: **PCB Mount Header**

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

Number of Positions: **18**

Number of Rows: **2**

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

## Features

### Product Type Features

| | |
|---|---|
| Connector Shape | Rectangular |
| PCB Connector Assembly Type | PCB Mount Header |
| Connector System | Wire-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Columns | 9 |
| Number of Loaded Positions | 18 |
| Connector Contact Load Condition | Fully Loaded |
| Number of Positions | 18 |
| Number of Rows | 2 |
| PCB Mount Orientation | Vertical |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 125 VAC |

## Body Features

| | |
|---|---|
| PCB Retention Feature Material | Copper Alloy |
| PCB Retention Feature Plating Material | Tin |
| Connector & Keying Code | X |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Contact Mating Area Length | 3.6 mm[.142 in] |
| Contact Layout | Matrix |
| Mating Tab Width | .7 mm[.028 in] |
| Mating Tab Thickness | .5 mm[.02 in] |
| Contact Shape & Form | Rectangular |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Mating Area Plating Material | Tin |
| Contact Type | Tab |
| Contact Current Rating (Max) | 3.5 A |

## Termination Features

| | |
|---|---|
| Rectangular Termination Post & Tail Thickness | .46 mm[.018 in] |
| Rectangular Termination Post & Tail Width | .5 mm[.02 in] |
| Termination Post & Tail Length | 3.05 mm[.12 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Keyed |
| Mating Retention | With |
| Panel Mount Feature | Without |
| PCB Mount Retention Type | Retention Leg |
| Mating Retention Type | Locking Lance |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | With |

### Housing Features

| | |
|---|---|
| Mating Entry Location | Top |
| Housing Material | Glass-Filled Thermoplastic Polyester |
| Centerline (Pitch) | 2 mm[.079 in] |

### Dimensions

| | |
|---|---|
| Connector Length | 20.6 mm[.811 in] |
| Connector Height | 12.45 mm[.49 in] |
| Connector Width | 11.3 mm[.445 in] |
| PCB Thickness (Recommended) | 1 – 1.6 mm[.039 – .063 in] |
| Row-to-Row Spacing | 3.3 mm[.13 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 105 °C[221 °F] |
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |

### Operation/Application

| | |
|---|---|
| Shielded | No |
| Circuit Application | Power & Signal |

### Industry Standards

| | |
|---|---|
| UL Rating | Certified |
| Compatible With Approved Standards Products | UL E28476 |
| UL Flammability Rating | UL 94V-0 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 22 |
| Packaging Method | 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241) |

| | |
|---|---|
| | Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed 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 # 1-1827862-9
DYNAMIC 1100D REC HSG 18P X BLACK

## Documents

### Product Drawings

DYNAMIC 1100D HDR ASSY V 18PX BLACK TIN

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2341421-9_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2341421-9_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2341421-9_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Product Specifications

### Application Specification

English