

1-1971817-7 ✓ ACTIVE



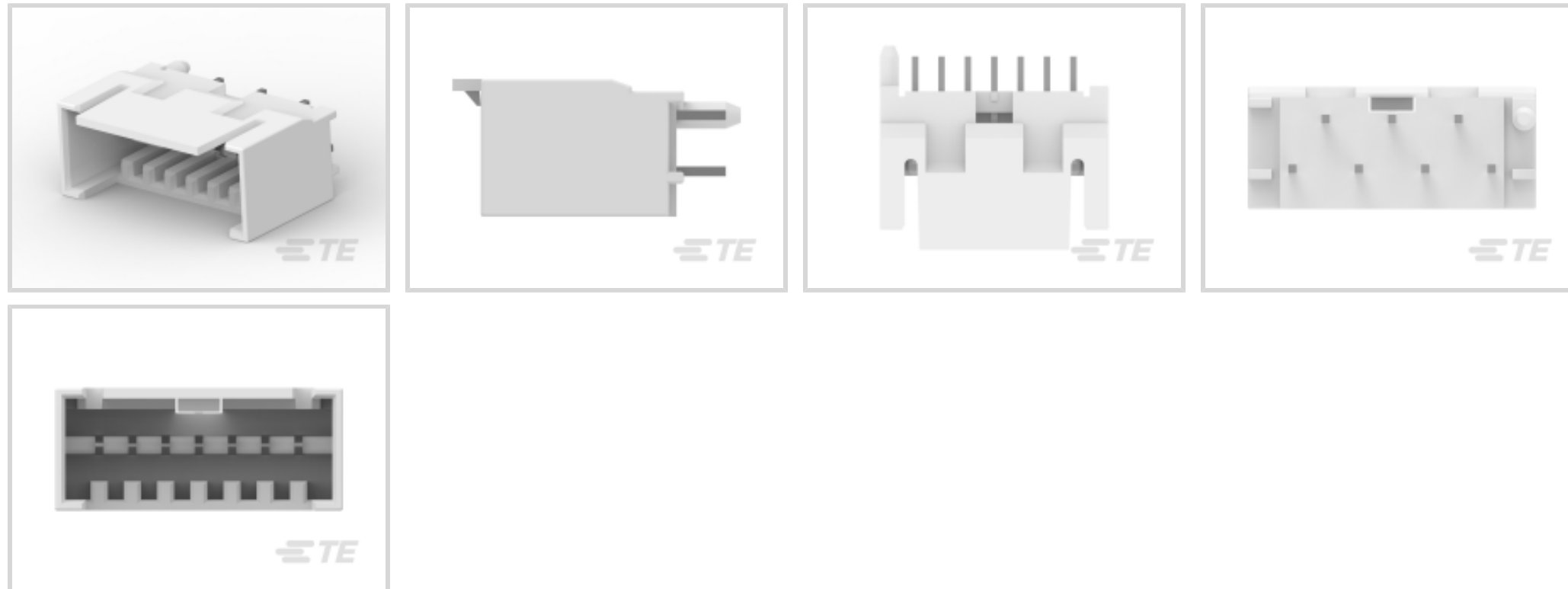
**RAST**

TE Internal #: 1-1971817-7

PCB Mount Header, Vertical, Wire-to-Board, 7 Position, 2.5 mm [.098 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, Signal, Natural

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles



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

Number of Positions: **7**

Number of Rows: **1**

Centerline (Pitch): **2.5 mm [.098 in]**

PCB Mount Orientation: **Vertical**

**Features**

**Product Type Features**

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

**Configuration Features**

Number of Positions	7
Number of Rows	1
PCB Mount Orientation	Vertical

**Electrical Characteristics**

Operating Voltage	50 VAC
-------------------	--------

**Body Features**

Primary Product Color	Natural
-----------------------	---------



### Contact Features

PCB Contact Termination Area Plating Material Thickness	3.8 $\mu\text{m}$ [149.6 $\mu\text{in}$ ]
Mating Tab Width	1.5 mm[.059 in]
Mating Tab Thickness	.6 mm[.024 in]
Contact Mating Area Plating Material Thickness	1.27 $\mu\text{m}$ [50.8 $\mu\text{in}$ ]
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Mating Area Plating Material Finish	Matte
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)	2 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.6 mm[.024 in]
Rectangular Termination Post & Tail Width	.65 mm[.026 in]
Termination Post & Tail Length	2.9 mm[.11 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment Type	Keyed, Polarization
Mating Retention	With
Mating Retention Type	Latch
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without

### Housing Features

Housing Material	6/6 Nylon GF, Nylon
Centerline (Pitch)	2.5 mm[.098 in]

### Dimensions

Connector Length	20.1 mm[.79 in]
Connector Height	15.5 mm[.61 in]



### Usage Conditions

Operating Temperature Range	-40 – 120 °C[-40 – 248 °F]
-----------------------------	----------------------------

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

### Packaging Features

Packaging Quantity	135
Packaging Type	Box, Carton

### Product Compliance

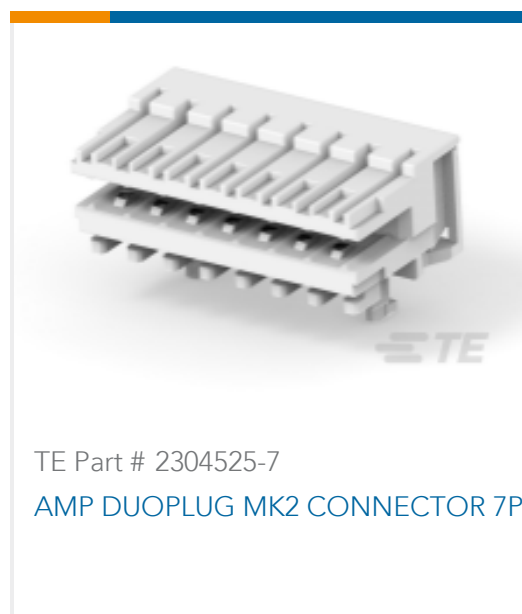
[For compliance documentation, visit the product page on TE.com>](#)

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: JUNE 2023 (235) 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>

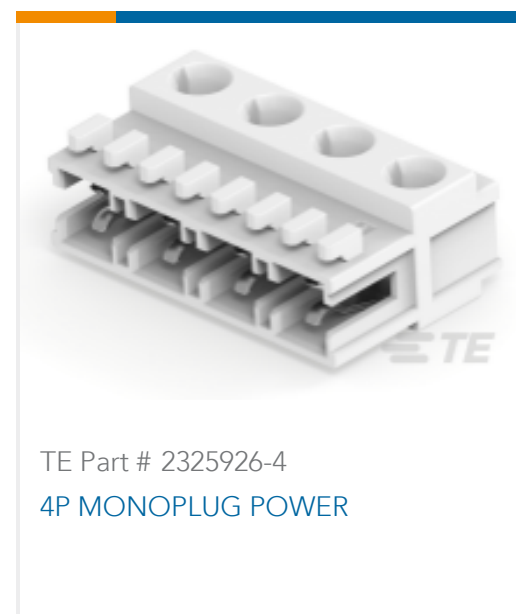
### Compatible Parts



TE Part # 2304525-7  
AMP DUOPLUG MK2 CONNECTOR 7P



TE Part # 1-2232892-7  
7P MONOPLUG 2.5



TE Part # 2325926-4  
4P MONOPLUG POWER

## Customers Also Bought



TE Part #4-1415053-1  
SR4M4024



TE Part #8-2834334-2  
4.0 ITB CONN\_2P MODULAR\_W  
CAP\_WE/BK



TE Part #825433-8  
MOD 2 PINHDR 1X8 P.



TE Part #825433-2  
MOD 2 PINHDR 1X2 P.



TE Part #2-1879446-7  
TE 150W 150R 5% Bracket



TE Part #1-1971817-0  
10P,RAST 2.5 Tab Header,Ex- Locking,  
THV



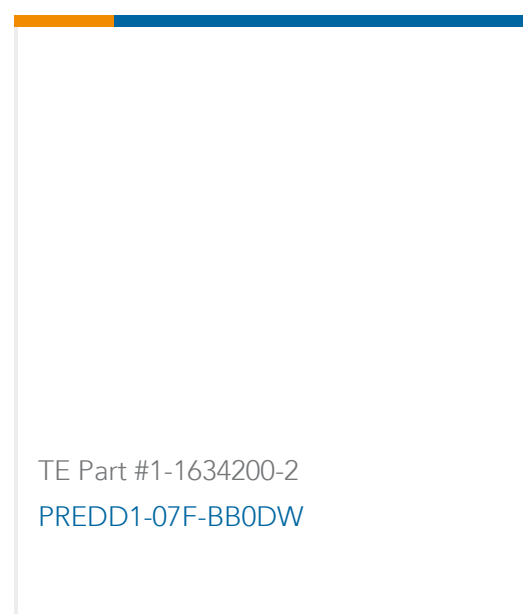
TE Part #1-1971817-3  
3P,RAST 2.5 Tab Header,Ex- Locking,  
THV



TE Part #1-829261-6  
HD FEMALE SCREWLOCK



TE Part #1971817-3  
3P,RAST 2.5 Tab Header,Ex- Locking,  
THV



TE Part #1-1634200-2  
PREDD1-07F-BB0DW

## Documents

### Product Drawings

7P,RAST 2.5 Tab Header,Ex- Locking,THV

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1971817-7\_B.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1971817-7\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-1971817-7\\_B.3d\\_stp.zip](#)

English

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

---

**Datasheets & Catalog Pages**

[7-1773465-3\\_RAST2.5\\_Flyer](#)

English

---

**Product Specifications**

[Product Specification](#)

English

---

**Agency Approvals**

[VDE Certificate](#)

English