

1811398-1 ✓ ACTIVE

**Buchanan WireMate**

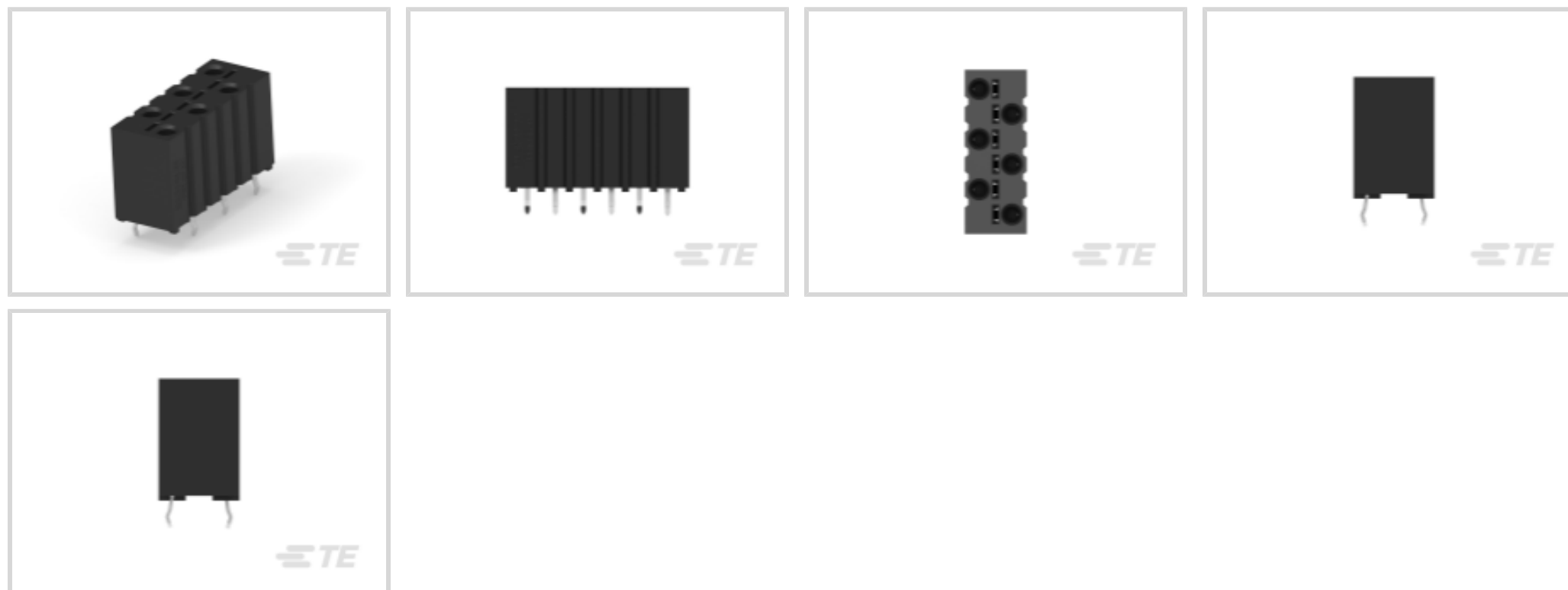
TE Internal #: 1811398-1

Connector, Poke-In, Header, Wire-to-Board, 6 Position, 3.5 mm [.138 in] Centerline, Printed Circuit Board, 16 – 18 AWG Wire Size, Ballast Connectors

[View on TE.com >](#)



Connectors > Lighting Connectors > Ballast Connectors



Lighting Product Type: **Connector**

Termination Method to Wire & Cable: **Poke-In**

Lighting Connector Type: **Header**

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

Number of Positions: **6**

### Features

#### Product Type Features

Lighting Product Type	Connector
Lighting Connector Type	Header
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Lighting Connector Style	Screwless Wire

#### Termination Features

Termination Method to Wire & Cable	Poke-In
Termination Method to PCB	Through Hole - Solder

#### Configuration Features

Number of Positions	6
Number of Rows	2

#### Housing Features

Centerline (Pitch)	3.5 mm [.138 in]
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### Dimensions

Wire Size	16 – 18 AWG
Post-Mating Assembly Measurement	22.9 mm[.901 in]
Connector Width	8.64 mm[.34 in]
PCB Thickness (Recommended)	1.8 mm[.07 in]
Connector Height	13 mm[.512 in]
Connector Length	22.9 mm[.902 in]

### Contact Features

Contact Current Rating (Max)	6 A
Contact Mating Area Plating Material Thickness	3.2 – 6.4 $\mu\text{m}$ [125.98 – 251.97 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Contact Layout	Staggered
Contact Mating Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	3.2 – 6.4 $\mu\text{m}$ [125.98 – 251.97 $\mu\text{in}$ ]
Contact Mating Area Plating Material Finish	Matte

### Operation/Application

Circuit Application	Power
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### Mechanical Attachment

Connector Mounting Type	Board Mount
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
PCB Mount Alignment	Without

### Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Electrical Characteristics

Operating Voltage (Max)	600 VAC
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### Body Features

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Primary Product Material	PBT GF
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Primary Product Color	Black
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### Industry Standards

UL Flammability Rating	UL 94V-0
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Compatible With Approved Standards Products	UL 1977, CSA C22.2 No. 182.3
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### Packaging Features

Packaging Quantity	80
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Packaging Method	Tray, Box & Tray
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### Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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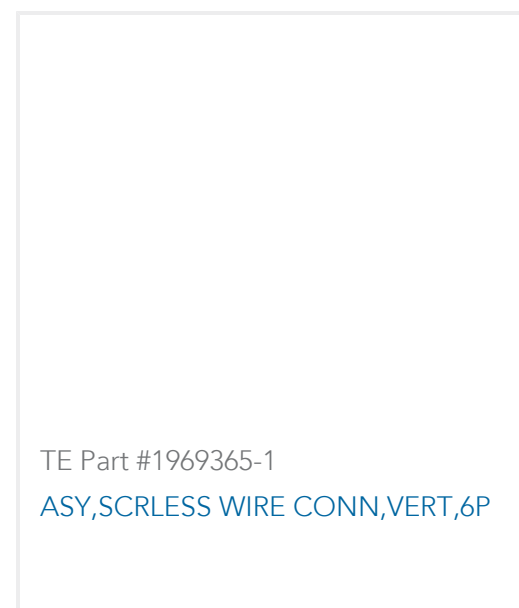
#### Product Compliance Disclaimer

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



## Customers Also Bought



## Documents

### Product Drawings

[ASY,SCRLESS WIRE CONN,VERT,6P](#)

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_1811398-1\\_A1.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1811398-1\\_A1.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1811398-1\\_A1.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1811398-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1811398-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1811398-1\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[BUCHANAN TERMINAL BLOCKS CATALOG - EUROSTYLE TERMINAL BLOCKS](#)

English

[BUCHANAN WireMate Connectors Brochure](#)

[BUCHANAN WireMate Connectors Brochure](#)

English

[Vertical and In-Line Screwless Wire Connectors](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English