

EIS LOW PROFILE HSG 3P BALCK

✓ ACTIVE

TE Part # 2-172142-3

TE Internal #: 2-172142-3

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Housings



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

Number of Positions: **3**

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

Termination Method to Wire & Cable: **Crimp**

Number of Rows: **1**

Features

Product Type Features

Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Connector Style	Receptacle
Product Type	Connector
Connector Type	Housing
Strain Relief	Without
Profile	Low

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Insulation Resistance	500 MΩ
Operating Voltage	250 VAC, 350 VDC

Body Features

Circuit	Standard
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Contact Features

Contact Layout	Inline
Contact Current Rating (Max)	2 A
Contact Type	Socket



Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Mating Connector Lock	With
Panel Mount Feature	Without
Mating Connector Lock Type	Lock
PCB Mount Retention	Without
Mating Retention	With
Mating Retention Type	Lock
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Alignment Type	Polarization
Mating Alignment	With

Housing Features

Housing Entry Configuration	Both Ends Closed
Centerline (Pitch)	2.5 mm[.098 in]
Housing Color	Black
Housing Material	Nylon 6/6

Dimensions

Height	6.7 mm
Length	9.5 mm

Usage Conditions

Operating Temperature Range	-20 – 95 °C[-4 – 203 °F]
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Operation/Application

Circuit Application	Power & Signal
For Use With	Contact

Industry Standards

Agency/Standard	UL
CSA Certified	Yes
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1000
Packaging Method	Bag



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: JAN 2019 (197) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 170354-1  
LOW PROFILE E.I.  
CONNECTOR



TE Part # 170369-1  
LOW PROFILE EI CONN  
LP



TE Part # 2-171825-3  
V-TYPE E.I.S.CONN. 3P  
ASSY



TE Part # 170355-1  
EI SER LOW PRO CONN



TE Part # 2-171826-3  
H-TYPE E.I.S.CONN. 3P  
ASSY

Customers Also Bought

TE Part #1-480728-0  
04P CMNL CAP HSG P/M  
D/L NATL

TE Part #3-644894-3  
03P CST100 SHRD HDR  
ASSY LF

TE Part #207613-6  
SKT HDR ASSY,10P,  
MMATE LF

TE Part #1879214-6  
CPF 0402 365R 0.1%  
25PPM 1K RL

TE Part #2132415-7  
EP2.5 Shrouded HDR  
ASSY 7P VERT w/o boss

TE Part #6116132-1  
INV MJ,1X3,PNL GRD,LED  
(G/Y)

TE Part #63560-1  
FASTON .110  
RECEPTACLE 20-16 AWG  
PTPBR

TE Part #6-1879212-8  
CPF 0402 11R3 0.1%  
25PPM 1K RL

TE Part #1-103639-5  
16 MTE HDR SRST LATCH .  
100CL

TE Part #207612-6  
SKT HDR ASSY,10 P,  
MMATE LF

Documents

Product Drawings

EIS LOW PROFILE HSG 3P BALCK

Japanese

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-172142-3\_F.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-172142-3\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-172142-3\\_F.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[1-1773972-5\\_EIS\\_Connectors\\_Brochure](#)

English

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Product Specifications

[AMP EI Series, Connector](#)

Japanese

[Product Specification](#)

Japanese

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Agency Approvals

[Agency Approval Document](#)

English