

YHVA280-2PHI-4MM-B ✓ ACTIVE

TE Internal #: YHVA280-2PHI-4MM-B

Housing for Female Terminals, Wire-to-Board / Wire-to-Device, 2 Position, .409 in [10.4 mm] Centerline, Sealable, Black, Signal

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings

Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **2.8 mm [.11 in]**

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

Number of Positions: **2**

Centerline (Pitch): **10.4 mm [.409 in]**

Features

Product Type Features

Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Board, Wire-to-Device
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V, 500 V, 550 V, 600 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	B

Contact Features

Contact Type	Receptacle
Mating Tab Width	2.8 mm[.11 in]

Mechanical Attachment

Terminal Position Assurance	No
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Strain Relief	Without
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Mating Alignment Type	Polarized
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Housing Features

Housing Material	PA GF
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Centerline (Pitch)	10.4 mm[.409 in]
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Dimensions

Connector Height	26.4 mm[1.039 in]
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Product Width	50.8 mm[2 in]
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Product Length	32.9 mm[1.296 in]
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Usage Conditions

Operating Temperature (Max)	70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F]
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Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP6K9K
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UL Flammability Rating	UL 94HB
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Other

Serviceable	No
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Connector Position Assurance Capable	Yes
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900
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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 # 2103124-2
HVA280 2P HEADER ASSY, KEY B

Customers Also Bought

TE Part #2103124-2
HVA280 2P HEADER ASSY, KEY B

TE Part #1587829-2
OUTER FERRULE, SIZE B, HVA280-2PI

TE Part #60851-1
250 FASTON REC 12-10 AWG TPBR

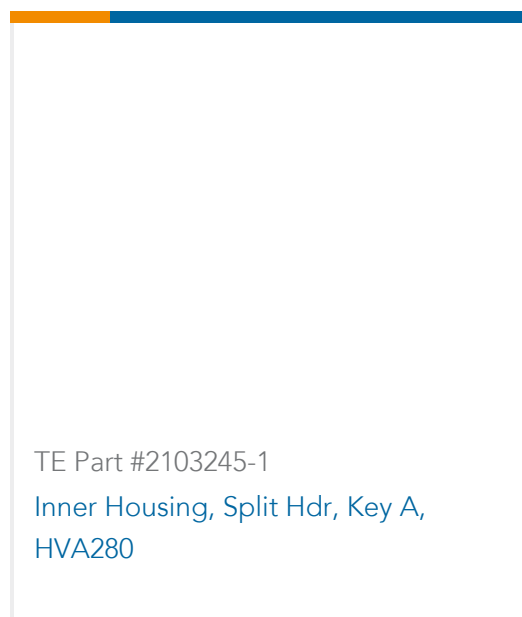
TE Part #1586847-1
03P UMNL PLUG HSG, GW

TE Part #1-968853-3
AMP MCP 2.8, CONTACT

TE Part #2-2141598-2
TIMER, RECEPTACLE AND TAB

TE Part #776464-2
STRAIN RELIEF,23 POSITION
AMPSEAL

TE Part #2103245-2
Inner Housing, Split Hdr, Key B,
HVA280



Documents

Product Drawings

[HVA280-2phi XE,4sqmm,Key B](#)

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_YHVA280-2PHI-4MM-B_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHVA280-2PHI-4MM-B_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHVA280-2PHI-4MM-B_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[HEMS Sample Kit YHVA280-2phi-4mm-B](#)

English

Product Specifications

[Application Specification](#)

English