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DBC50H-10-6PN [V001]

HERM RECP



DEUTSCH

TE Internal #: **YDBC50H-10-6PNV001**

TE Internal Description: **HERM RECP**

Mil-Spec: **MS3440H10C6P**

Product Type : **Connector**

Connector System : **Wire-to-Panel**

Number of Positions : **6**

Sealable : **Yes**

Connector & Contact Terminates To : **Wire & Cable**

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Documents

Features

Product Compliance

Product Drawings

[DBC50H-*.P*](#) tif English

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CAD Files

3D PDF

[3D_CVM_CVM_YDBC50H-10-6PNV001_99.pdf](#)
3D

Customer View Model

[ENG_CVM_CVM_YDBC50H-10-6PNV001_99.2d_dxf.zip](#) English

[ENG_CVM_CVM_YDBC50H-10-6PNV001_99.3d_igs.zip](#) English

[ENG_CVM_CVM_YDBC50H-10-6PNV001_99.3d_stp.zip](#) English

Datasheets &
Catalog Pages

Hermetic Connectors

[ENG_DS_1-1773915-6_hermetic_0617.pdf](#)
English

Product
Environmental
Compliance

REACH Substance Communication Document

[ENG_PC_RSCD_Lead_1.pdf](#) English

Feedback

Product Type Features

Assembly Type : **Electrical Connector**
Product Type : **Connector**
Connector System : **Wire-to-Panel**
Sealable : **Yes**
Connector & Contact Terminates To : **Wire & Cable**
Shell Size : **10**
Shielded : **Yes**
Connector Style : **Receptacle**
Shell Type : **Square Flange Receptacle**

Configuration Features

Number of Positions : **6**
Number of Power Positions : **6**
Preloaded : **Yes**
Keying : **Insert Polarization N**
Factory Installed Backshell : **No**
Keying & Polarized Position Locations : **Normal**

Electrical Characteristics

Operating Voltage (VAC): **600**
Voltage (Vrms): **1800**
Operating Voltage (VDC): **850**

Body Features

Feedthrough Type : **No**
Shell Plating Material : **Tin**
Shell Material : **Carbon Steel**
Insulation Material : **Glass/Silicone**
Hermetically Sealed : **Yes**
Environmental Protection Type : **Hermetically Sealed**
Environmental Protection : **Yes**
Peripheral Seal Material : **Silicone**

Contact Features

Contact Layout Arrangement : **10 – 6**
Contact Type : **Pin**
Contact Quantity (Size 20) : **6**

Mechanical Attachment

Panel Mount Feature Type : **Square Flange**
Panel Mount Feature : **With**
Connector Mounting Type : **Panel**
Polarization Code : **Normal**
Mating Alignment Type : **Keyed**
Mating Retention : **With**
Flange : **Square Flange**
Mating Retention Type : **Bayonet**

Housing Features

Alignment Keyed : **Insert Clocking**

Dimensions

Assembly Length : **24.87 mm [.979 in]**

Usage Conditions

Operating Temperature Range : **-85 – 300 °C [-121 – 572 °F]**
Fluid Resistance : **Yes**



Operation/Application Circuit Application : Power Durability Rating (Cycles): 500																					
Packaging Features	Packaging Quantity : 1																				
Other	Position Locations Omitted : None																				
EU RoHS Directive 2011/65/EU <i>This declaration covers EU Directive 2011/65/EU incl. Delegated Directive 2015/863/EU. The restrictions under 2015/863/EU apply as of 22 July 2021 for EEE categories 8 (medical devices) and 9 (monitoring and control equipment).</i>																					
EU ELV Directive 2000/53/EC	Substances: Pb																				
China RoHS 2 Directive MIIT Order No 32, 2016																					
<table><tr><th rowspan="2">部件名称 (Component Name) YDBC50H-10-6PNV001 连接器系统 (Connector Systems)</th><th colspan="6">有害物质 (Hazardous Substance)</th></tr><tr><th>铅 (Pb)</th><th>汞 (Hg)</th><th>镉 (Cd)</th><th>六价 铬 (Cr6)</th><th>多溴联 苯 (PBB)</th><th>多溴二苯 醚 (PBDE)</th></tr><tr><td></td><td>X</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr></table> <p>本表格依据SJ/T 11364标准的规定编制。This table is compiled according to SJ/T 11364 standard.</p> <p>○: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572标准规定的限量要求以下。 Indicates that the concentration of the hazardous substance in all homogeneous materials of the part is below the relevant threshold of the GB/T 26572 standard.</p> <p>X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572标准规定的限量要求。 Indicates that the concentration of the hazardous substance in at least one homogeneous material of the part is above the relevant threshold of the GB/T 26572 standard.</p> <p>电子电气产品的环保使用期限依据SJ/T 11388标准的规定确定。 The EFUP value of EEP is defined according to SJ/T 11388 standard.</p>		部件名称 (Component Name) YDBC50H-10-6PNV001 连接器系统 (Connector Systems)	有害物质 (Hazardous Substance)						铅 (Pb)	汞 (Hg)	镉 (Cd)	六价 铬 (Cr6)	多溴联 苯 (PBB)	多溴二苯 醚 (PBDE)		X	○	○	○	○	○
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JAN 2019 (197) Pb (1.2% in Contact Lead-Copper Alloy)																				
Halogen Content																					
Solder Process Capability	Not reviewed for solder process capability																				
Statement of	Statement of Compliance pdf																				

Compliance Documents	There may be Environmental Compliance related documents on the DOCUMENTATION Tab
Disclaimer	<p>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</p>

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STANDARD CIRCULAR CONNECTORS

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