208006-2 ✓ ACTIVE

AMPLIMITE | AMPLIMITE HD-20

TE Internal #: 208006-2

PCB D-Sub Connectors, Plug, Board-to-Board, 9 Position, 2.74 mm [.108 in] Centerline, 2 Row, Size 1, Round, Standard Profile, AMPLIMITE HD-20

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Connector & Housing Type: **Plug**

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

Number of Positions: **9**

Centerline (Pitch): **2.74 mm [.108 in]**

Number of Rows: **2**

All D-Sub Plug Assembly: Standard, Vertical, Shell Size 1, 2.74mm (50)

Features

Product Type Features

Grounding Indents	Without
Grounding Straps	Without
Grounded	No
Shell Type	All Plastic
Connector & Housing Type	Plug
Connector System	Board-to-Board
D-Sub Shell Size	1
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Shielded	No
Product Type	Connector

Configuration Features

Number of Positions	9
Number of Rows	2
PCB Mount Orientation	Vertical
Preloaded	Yes

Body Features

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Plastic	Yes
Connector Profile	Standard
Post Size	.66 mm[.025 in]

Contact Features

Contact Mating Area Plating Material	Gold, Gold Flash over Palladium Nickel
Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Shape & Form	Round
Contact Current Rating (Max)	6 A
	30 µin

Termination Features

Grounding Clips	Without
Termination Method to Printed Circuit Board	Through Hole - Solder
Termination Post Length	3.18 mm[.125 in]

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Hole
Mating Retention	Without
Connector Mounting Type	Board Mount
Mounting Hole Diameter	3.05 mm[.12 in]

Housing Features

Centerline (Pitch)	2.74 mm[.108 in]
Housing Material	Polyester
Housing Color	Black

Dimensions

Row-to-Row Spacing	2.84 mm[.112 in]
PCB Thickness (Recommended)	2.36 mm[.062 – .093 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

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Circuit Application	Signal

Industry Standards

Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Tube
Packaging Quantity	17

Other

Comment	Plugs are preloaded with size 20 DF posted pin contacts

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (13% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

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Compatible Parts

TE Part # CAT-AM7-253
IDC D-Sub: Receptacle Assembly, Low Profile, Signal, 2.77 mm

TE Part # 745201-7
09 HDE AP RECEPT, LEAD FREE

TE Part # 3-1393483-8
V42254A1115B209=SUB D FEDERLEI

TE Part # 208010-2
50 PLUG SP/AP STD

Also in the Series | AMPLIMITE HD-20

PCB D-Sub Connectors(354)

Documents

Product Drawings
09 PLUG SP/AP STD

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_208006-2_P.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_208006-2_P.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_208006-2_P.3d_stp.zip

English

Product Specifications
Application Specification

English