



DIPLOMATE

TE Internal #: 6-1437537-6

TE Internal Description: 820-AG11D=SOCKET ASSY

DIP Socket: Standard, Screw Machine, Open, Gold

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Connectors > Socket Connectors > IC Sockets > DIP Sockets > DIP Socket: Standard, Screw Machine, Open, Gold



Contact Fabrication: **Screw Machine**

Number of Positions: **20**

Connector Profile: **Standard**

Row-to-Row Spacing: **7.62 mm [.3 in]**

Leg Style: **Straight**

[All DIP Socket: Standard, Screw Machine, Open, Gold \(0\)](#)

Features

Product Type Features

Leg Style	Straight
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Rows	2
PCB Mount Orientation	Vertical
Number of Positions	20

Electrical Characteristics

Insulation Resistance	5000 MΩ
Contact Resistance	10 mΩ

Body Features

Sleeve Material	Brass
Sleeve Plating Material	Tin-Lead
Frame Style	Ladder, Open
Connector Profile	Standard

Contact Features

Mating Contact Type	Four-Fingered
IC Socket Type	DIP

Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Beryllium Copper
Contact Fabrication	Screw Machine
Contact Mating Area Plating Material	Gold
	25 µin
Contact Current Rating (Max)	3 A

Termination Features

Termination Post & Tail Length	3.18 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Polyester
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Profile Height from PCB	2.67 mm[.105 in]
Product Length	25.4 mm[1 in]
Row-to-Row Spacing	7.62 mm[.3 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	24
Packaging Method	Box & Tube, Tube

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	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JAN 2021 (211)</p> <p>SVHC > Threshold:</p> <p>Pb (13% in Component Part)</p> <p>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.</p>
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>

Documents

Product Drawings

[820-AG11D=SOCKET ASSY](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_6-1437537-6_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_6-1437537-6_E.3d_igs.zip](#)

English

Customer View Model



[ENG_CVM_CVM_6-1437537-6_E.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DIP Sockets Quick Reference Guide \(EN\)](#)

English