

# 824-AG31D × OBSOLETE

## DIPLOMATE

TE Internal #: 8-1437537-9

TE Internal Description: 824-AG31D=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: **24**

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	24

### Electrical Characteristics

Insulation Resistance	5000 M $\Omega$
Contact Resistance	10 m $\Omega$

### 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	30.48 mm[1.2 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	20
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	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
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

#### 824-AG31D=SOCKET ASSY

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-1437537-9\\_E.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-1437537-9\\_E.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-1437537-9\\_E.3d\\_stp.zip](#)

English

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