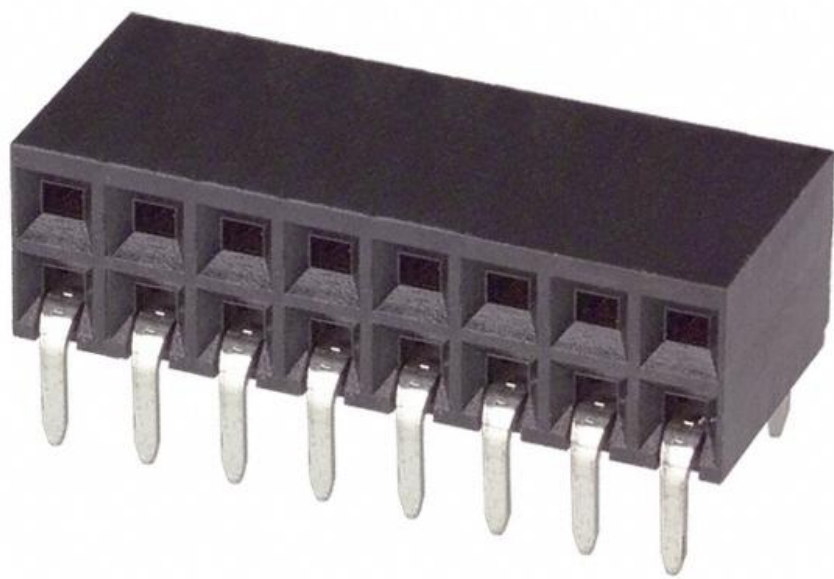


1-5535512-8 Datasheet

www.digi-electronics.com



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	1-5535512-8-DG
Manufacturer	TE Connectivity AMP Connectors
Manufacturer Product Number	1-5535512-8
Description	CONN RCPT 16POS 0.1 GOLD PCB R/A
Detailed Description	16 Position Receptacle Connector 0.100" (2.54mm) Through Hole, Right Angle Gold

This model 1-5535512-8 is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

 [Datasheet Search](#)



Tel: +00 852-30501935

RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.

Purchase and inquiry

Manufacturer Product Number:

1-5535512-8

Series:

AMPMODU Mod II

Connector Type:

Receptacle

Style:

-

Number of Positions Loaded:

All

Number of Rows:

2

Mounting Type:

Through Hole, Right Angle

Fastening Type:

Push-Pull

Contact Finish Thickness - Mating:

30.0µin (0.76µm)

Insulation Height:

0.238" (6.05mm)

Operating Temperature:

-55°C ~ 125°C

Contact Finish - Post:

Tin

Ingress Protection:

-

Current Rating (Amps):

2A

Applications:

-

Contact Shape:

Square

Contact Finish Thickness - Post:

150.0µin (3.81µm)

Manufacturer:

TE Connectivity AMP Connectors

Product Status:

Active

Contact Type:

Female Socket

Number of Positions:

16

Pitch - Mating:

0.100" (2.54mm)

Row Spacing - Mating:

0.100" (2.54mm)

Termination:

Solder

Contact Finish - Mating:

Gold

Insulation Color:

Black

Contact Length - Post:

0.115" (2.92mm)

Material Flammability Rating:

UL94 V-0

Mated Stacking Heights:

-

Features:

-

Voltage Rating:

-

Insulation Material:

Polyester, Glass Filled

Contact Material:

Phosphor Bronze

Base Product Number:

5535512

Environmental & Export classification

DIGI is a global authorized distributor of electronic components.

RoHS Status:

Moisture Sensitivity Level (MSL):

1-5535512-8 ✓ ACTIVE

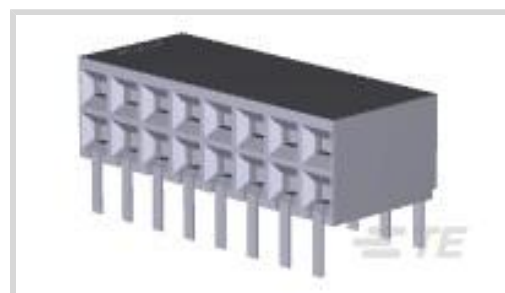
AMPMODU | Modu Connector System

TE Internal #: 1-5535512-8

PCB Mount Receptacle, Horizontal / Right Angle, Board-to-Board,
16 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Modu Connector
System

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles

PCB Connector Type: **PCB Mount Receptacle**PCB Mount Orientation: **Horizontal, Right Angle**Connector System: **Board-to-Board**Number of Positions: **16**Number of Rows: **2**

Features

Product Type Features

Applied Pressure	High, Standard
PCB Connector Type	PCB Mount Receptacle
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

Stackable	Yes
PCB Mount Orientation	Horizontal, Right Angle
Number of Positions	16
Number of Rows	2

Electrical Characteristics

Operating Voltage	333 VAC
Insulation Resistance	5000 MΩ

Body Features

Connector Profile	Standard
Primary Product Color	Black

Contact Features



Contact Mating Area Plating Material Thickness	.762 μm[30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	3.81 – 7.62 μm
Contact Shape & Form	Short Point
Contact Protection Type	Closed Entry Housing
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Socket
Contact Current Rating (Max)	2 A

Termination Features

Rectangular Termination Post & Tail Width	.69 mm[.027 in]
Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Termination Post & Tail Length	2.92 mm[.115 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention	Without
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Mating Entry Location	Side
Housing Material	Polyester - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Row-to-Row Spacing	2.54 mm, 7.87 mm[.31 in]
Stack Height	8.13 mm[.32 in]
PCB Thickness (Recommended)	1.4 – 2.4 mm[.055 – .094 in]
Connector Height	6.05 mm[.238 in]

Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]



Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

Compatible With Approved Standards Products	CSA LR7189, UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	28
Packaging Method	Box, Tube

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°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>

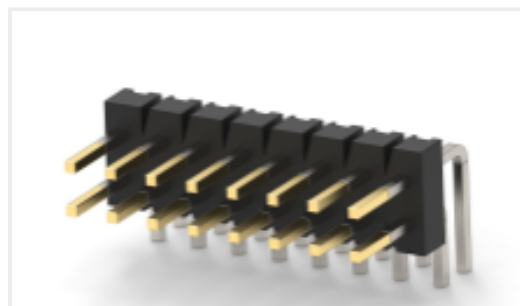
Compatible Parts



PCB Mount Receptacle, Horizontal / Right Angle, Board-to-Board, 16 Position, 2.54 mm [.1 in] Centerline, Gold (Au), Modu Connector System



TE Part # 3-86479-4
60 MODII HDR DRRA UNSHRD .100



TE Part # 5-146308-8
16 MODII HDR DRRA B/A .100



TE Part # 5-146261-8
16 MODII HDR DRST B/A .100CL LF



TE Part # 86479-2
16 MODII HDR DRRA UNSHRD .100



TE Part # 87230-8
16 MODII HDR DRRA UNSHRD .100



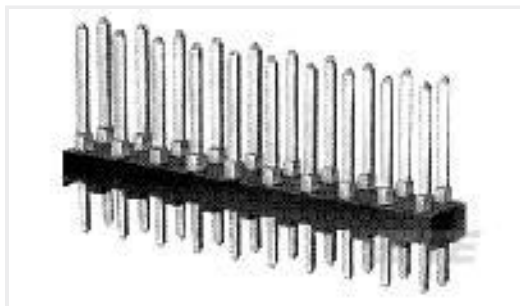
TE Part # 5-146269-8
16 MODII HDR DRST B/A 100 W/HD



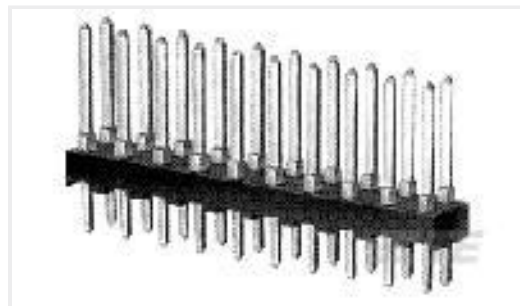
TE Part # 5-146130-7
16 MODII HDR DRST SFMNT B/A LF



TE Part # 5-146257-8
16 MODII HDR DRST B/A .100CL L

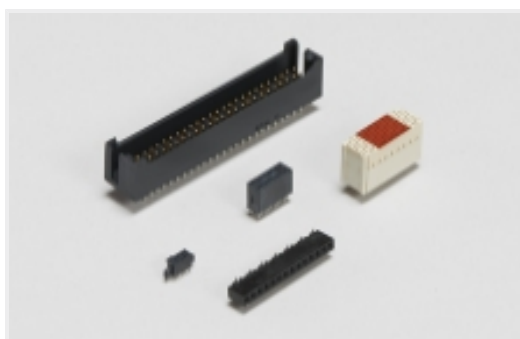


TE Part # 87227-8
16 MODII HDR DRST UNSHRD .100



TE Part # 87215-5
16 MODII HDR DRST UNSHRD .100

Also in the Series | **Modu Connector System**



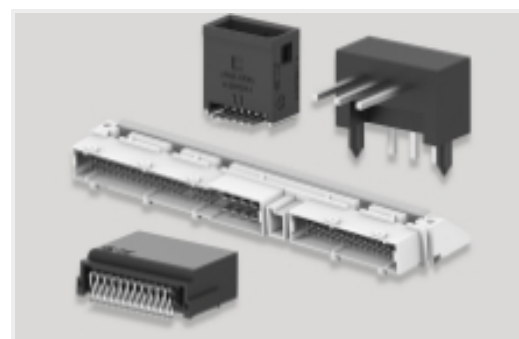
Board-to-Board Headers & Receptacles(814)



Board-to-Board Jumpers & Shunts(5)



Connector Hardware(4)



PCB Headers & Receptacles(814)

Customers Also Bought



TE Part #5-2176343-7
CRGCO 1206 470K 1%



TE Part #2-1437565-7
FSM2JSMA=SMT,TACTILE,PB SWITCH



TE Part #1-2176337-3
CRGCO 0402 100R 1%



TE Part #1622826-4
CRG0402 5% 10K



TE Part #3-582118-0
TEST PROBE REC130 BI BLK GPBR



TE Part #2-2176555-3
3430 A2 1% 100K 100ppm 1k RL



TE Part #3-2176337-3
CRGCO 0402 4K7 1%



TE Part #1776113-3
3P,3.81MM,SIDE ENTRY,HIGH TMP



TE Part #2176057-8
RLP73V 3A R020 1% 1K RL



TE Part #3-582118-2
TEST PROBE REC130 BI RED GPBR

Documents

Product Drawings

[16 MODII HORZ DR CE EESS .100](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5535512-8_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[AMPMODU_INTERCONNECTION_SYSTEM_SECTION5](#)

English

Product Specifications

[Application Specification](#)

English

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