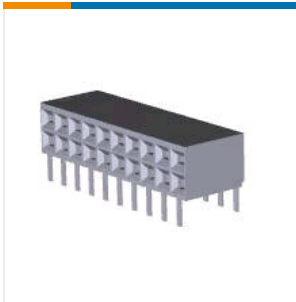




BOARD-TO-BOARD HEADERS & RECEPTACLES



TE CONNECTIVITY (TE) 20 MODII HORZ DR CE 100CL [AMPMODU](#) | [AMPMODU](#)

146140-9
TE Internal Number: 146140-9

[Not EU RoHS or ELV Compliant](#)
[Find Compliant Alternatives](#)

Connector Style **Receptacle**

Centerline **2.54 mm [.1 in]**

Number of Positions **20**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

Product Drawings

[AMPMODU MOD II RECEPTACLE ASSEMBLY, HORIZONTAL, .100 CL, 2 ROW, CLOSED-ENTRY, SHORT POINT OF CONTACT, END-TO-END STACKABLE](#)

PDF
English

CAD Files

[Customer View Model](#)
2D_DXF.ZIP
English

[Customer View Model](#)
3D_STP.ZIP
English

[Customer View Model](#)
3D_IGS.ZIP
English

[3D PDF](#)
PDF
English

Product Specifications

Application Specification

[AMPMODU Mod II And Mod IV Printed Circuit Board Connectors](#)
PDF
English

Product Environmental Compliance

TE Material Declaration

[MD_146140-9_06232014619_dmtec](#)
PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

	PCB Mounting Orientation	Right Angle
	Row-to-Row Spacing (mm)	2.54, 7.87
	Row-to-Row Spacing (in)	.31
	Applied Pressure	High, Standard
	Profile	Standard
	Product Type	Connector
	Applies To	Printed Circuit Board
	Boss	Without
	Series	AMPMODU, MOD II
	Sealed	No
	Connector Type	Connector Assembly
Configuration Features	Number of Positions	20
	Number of Rows	2
	Stackable	Yes
Electrical Characteristics	Voltage (VAC)	333
	Contact Resistance (M Ω)	12
	Insulation Resistance (M Ω)	5000
Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.254 μm [10 μin]
	Contact Current Rating (A)	2
	Contact Type	Socket
	Contact Configuration	Short Point
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Solder Tail Contact Plating Thickness (μ in)	50
	Contact Base Material	Phosphor Bronze
Termination Features	Termination Method to PC Board	Through Hole - Solder
	Termination Post Length	2.92 mm [.115 in]
Mechanical Attachment	PCB Mount Retention	Without
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Material	Polyester - GF
	Housing Color	Black

Housing Entry Style

Closed Entry

Dimensions

Tail Length

2.92 mm [.115 in]

Height

6.05 mm [.238 in]

PCB Thickness (Recommended)

1.4 – 2.4 mm [.055 – .094 in]

Usage Conditions

Operating Temperature Range (°C)

-65 – 105

High Temperature Compatible

Yes

Operation/Application

Pick and Place Cover

Without

Assembly Process Feature

Board Standoff

For Use With

Mates with Headers

Industry Standards

UL Flammability Rating

UL 94V-0

MIL-C-55032

No

Approved Standards

CSA LR7189, UL E28476

Packaging Features

Packaging Method

Tube, Tube/Box

Packaging Quantity

22

Other

Comment

6.50 [.256] minimum positive pin stop to prevent shorting between rows., TE recommends mating gold or duplex plated headers with duplex plated receptacle assemblies.

Product Compliance

[Statement of Compliance](#)
PDF[VIEW ALL PRODUCT COMPLIANCE](#)