



BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

40 MODIV VRT DR 100/SFMNT 30AU

[AMPMODU](#) | [AMPMODU](#)

2-147102-0

TE Internal Number: 2-147102-0

[Not EU RoHS or ELV Compliant](#)

[Find Compliant Alternatives](#)

Connector Style **Receptacle**

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

Number of Positions **40**

Packaging Method **Tube, Tube/Box**

Contact Mating Area Plating Material **Gold**

Product Drawings

[RECEPTACLE ASSEMBLY, MOD IV, DOUBLE ROW, DUAL ENTRY, .100X.100CL, SURFACE MOUNT, AMPMODU](#)

PDF
English

CAD Files

[Customer View Model](#)

2D_DXF.ZIP
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[3D PDF](#)

PDF
3D

[Customer View Model](#)

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

3D_STP.ZIP
English

Product Specifications

Application Specification

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

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.

Product Type Features

Connector Style

Receptacle

PCB Mounting Orientation

Vertical

Row-to-Row Spacing

2.54 mm [.1 in]

Applied Pressure

Standard

	Profile	Standard
	Product Type	Connector
	Applies To	Printed Circuit Board
	Boss	Without
	Series	AMPMODU, MOD IV
	Sealed	No
	Connector Type	Connector Assembly
Configuration Features	Number of Positions	40
	Number of Rows	2
	Stackable	No
Electrical Characteristics	Voltage (VAC)	250
	Insulation Resistance (MΩ)	5000
	Dielectric Withstanding Voltage (VAC)	750
	Termination Resistance (MΩ)	12
Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness (µin)	30
	Contact Current Rating (A)	2
	Contact Type	Socket
	Contact Configuration	Single Tine
	Solder Tail Contact Plating Material	Tin-Lead over Nickel
	Solder Tail Contact Plating Material Finish	Bright
	Solder Tail Contact Plating Thickness (µin)	150 – 300
	Contact Base Material	Phosphor Bronze
Termination Features	Termination Method to PC Board	Surface Mount
	Termination Post Length	.86 mm [.034 in]
Mechanical Attachment	PCB Mount Retention	With
	PCB Mount Retention Type	Compliant Pin, Hold-Down Posts, Hold-Downs
Housing Features	Centerline	2.54 mm [.1 in]
	Housing Material	Polyester - GF
	Housing Color	Black
	Housing Finish	Electrocoat

Dimensions	Height	6.73 mm [.265 in]
	PCB Thickness (Recommended)	1.4 – 2.4 mm [.055 – .094 in]
Usage Conditions	Operating Temperature Range (°C)	-65 – 125
	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	10
Other	Comment	No center hold-down., To obtain the minimum mating post length, add 0.51 [.020] (not including the post lead in chamfer) to the maximum point-of-contact dimension.
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	