



MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

80 50/50 HDR DRST SFMNT .390

AMPMODU | AMPMODU 50/50 Grid

104693-8

TE Internal Number: 104693-8

5 of 6 EU RoHS/ELV Compliant

[Find Compliant Alternatives](#)

Applies To **Printed Circuit Board**

Connector Style **Plug**

Centerline **1.27 mm [.05 in]**

Number of Positions **80**

Header Type **Shrouded**

Product Drawings

[HEADER ASSEMBLY, SURFACE MOUNT, AMPMODU 50/50 GRID \(9.90 \[.390\] MATED HEIGHT\)](#)

PDF
English

CAD Files

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

Product Specifications

Application Specification

[AMPMODU 50/50 Grid Connectors For SMT PC Board And IDC Ribbon Cable Applications](#)

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

Applies To

Printed Circuit Board

Connector Style

Plug

PCB Mounting Orientation

Vertical

Connector Type	Header
Row-to-Row Spacing	1.27 mm [.05 in]
Stabilizers	Without
Strain Relief	Without
Board Standoff	Without
Profile	Standard
Product Type	Connector
Gasket	Without

Configuration Features	Number of Positions	80
	Number of Rows	2
	Keyed	Yes
	Selectively Loaded	No

Electrical Characteristics	Voltage (VAC)	30
	Dielectric Withstanding Voltage	300 VAC

Body Features	Header Type	Shrouded
	Post Size (in)	.015
	Hold-Down Post Plating Material	Tin-Lead over Nickel
	Hold-Down Post Plating Thickness	Tin-Lead: 150- Nickel: 50
	Hold-Down Post Material	Copper Alloy

Contact Features	Contact Protection	With
	Contact Shape	Round
	Underplate Material	Nickel
	Contact Type	Pin
	Contact Base Material	Phosphor Bronze
	Contact Mating Area Plating Thickness (µin)	30
	Solder Tail Contact Plating Thickness (µin)	150
	Solder Tail Contact Plating Material	Tin-Lead
	Contact Mating Area Plating Material	Gold
	Contact Protection Type	Shrouded
	Contact Current Rating (A)	4

Termination Features	Termination End Plating Thickness (µin)	150
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Termination End Plating Material

1 in-Lead

Termination Method to PC Board

Surface Mount

Mechanical Attachment

PCB Mounting Style

Surface Mount

PCB Mount Retention Type

Hold-Down Post(s)

PCB Mount Retention

With

Panel Mount Retention

Without

Mating Alignment

With

Mating Connector Lock

Without

Mating Alignment Type

Keyed

Housing Features

Centerline

1.27 mm [.05 in]

Housing Color

Black

Housing Material

Thermoplastic

Housing Style

2-Sided

Dimensions

Shrouded End Dimension (in)

.036

Stack Height

9.91 mm [.39 in]

Mating Post Length

3.048 mm [.12 in]

Usage Conditions

Operating Temperature Range (°C)

-65 – 105

Industry Standards

UL Flammability Rating

UL 94V-0

Approved Standards

CSA LR7189, UL E28476

Packaging Features

Packaging Quantity

9

Packaging Method

Tube, Tube/Box

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

Products - 5 Results

[View All](#)

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Relation Type



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - PCB Connector Covers
 AMPMODU | AMPMODU 50/50 Grid

**80 50/50 GRID CABLE
 RCPT COVER - 104891-8**

TE INTERNAL NUMBER: 104891-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **80**

Number of Rows **2**

Body Material **Polyester**

Row-to-Row Spacing **1.27 mm**



PRODUCT - MATING PRODUCTS

Connectors - W-T-B Headers & Receptacles
 AMPMODU | AMPMODU 50/50 Grid

**80 50/50 GRID CABLE
 RECPT LF - 5-104893-8**

TE INTERNAL NUMBER: 5-104893-8

✓ Active

Always EU RoHS/ELV Compliant

Centerline **1.27 mm**

Number of Positions **80**

Number of Rows **2**

Contact Mating Area Plating
 Material **Gold**

Contact Mating Area Plating
 Thickness **.762 µm**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers &
 Receptacles

AMPMODU | AMPMODU 50/50 Grid

**80 50/50 GRID DRST
 SFMNT RCPT - 104652-8**

TE INTERNAL NUMBER: 104652-8

✓ Active

Not EU RoHS or ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **80**

Packaging Method **Tube,
 Tube/Box**

Contact Mating Area Plating
 Material **Gold**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)



PRODUCT - MATING PRODUCTS

Connectors - Board-to-Board Headers &
 Receptacles

AMPMODU | AMPMODU 50/50 Grid

**80 50/50 GRID SMT RCPT
 VC LF - 5-147384-8**

TE INTERNAL NUMBER: 5-147384-8

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **1.27 mm**

Number of Positions **80**

Packaging Method **Tape & Reel**

Contact Mating Area Plating

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