



# BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 2MM FB,ASY,048,SIG,HDR,EN,6.50

Z-PACK | Future Bus+

5536504-2

TE Internal Number: 5536504-2

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **2 mm [.079 in]**

Number of Positions **24**

Packaging Method **Tube**

Contact Mating Area Plating Material **Gold**

### Product Drawings

[PIN ASSEMBLY, SIGNAL MODULE, Z-PACK 2mm FB, 2mm](#)

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

Product Specification

[Connector, Z-PACK\\*, 2 Mm FB, Signal And Power](#)

PDF  
English

Application Specification

[Z-PACK 2 Mm FB \(Futurebus+\) Receptacle And Pin Header Connectors](#)

PDF  
English

Qualification Test Report

[Connector, Z-PACK, 2mm FB, Signal & Power](#)

TIF  
English

[Connector, Z-PACK, 2mm FB, Signal & Power](#)

PDF  
English

[Connector, Z-PACK, 2mm FB, Signal & Power](#)

PDF  
Japanese

Product Type Features	Connector Style	<b>Plug</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Row-to-Row Spacing	<b>2 mm [ .079 in ]</b>
	Product Type	<b>Connector</b>
	Applies To	<b>Printed Circuit Board</b>
	Boss	<b>Without</b>
	Post Type	<b>Press-Fit</b>
	Module Type	<b>Signal</b>
	Connector Type	<b>Header</b>
Configuration Features	Number of Positions	<b>24</b>
	Sequencing	<b>No</b>
	Number of Signal Positions	<b>48</b>
	Number of Rows	<b>4</b>
	Stackable	<b>No</b>
Electrical Characteristics	Voltage (VAC)	<b>30</b>
Body Features	Post Plating Material	<b>Tin</b>
Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness (µm)	<b>.76</b>
	Contact Current Rating (A)	<b>3</b>
	Contact Type	<b>Pin</b>
	Solder Tail Contact Plating Material	<b>Tin</b>
	Contact Layout	<b>Matrix</b>
	Press-Fit Post Style	<b>Compliant Pin</b>
	Solder Tail Contact Plating Thickness	<b>.6 µm [ 23.622 µin ]</b>
	Contact Base Material	<b>Phosphor Bronze</b>
Termination Features	Interface Type	<b>Futurebus+</b>
	Termination Method to PC Board	<b>Through Hole - Press-Fit</b>
	Termination Post Length	<b>4.25 mm [ .167 in ]</b>
Mechanical Attachment	Mating Alignment Type	<b>Polarizing Rib</b>

PCB Mount Retention

With

PCB Mount Retention Type

Action/Compliant Tail

Housing Features

Centerline

2 mm [ .079 in ]

Housing Material

LCP (Liquid Crystal Polymer)

Housing Color

Natural

Housing Entry Style

Top

Dimensions

Mating Post Length

6.5 mm [ .256 in ]

Tail Length

4.25 mm [ .167 in ]

Width

16 mm [ .622 in ]

Height

17 mm [ .669 in ]

Usage Conditions

Operating Temperature Range

-55 – 125 °C [ -67 – 257 °F ]

Operation/Application

Pick and Place Cover

Without

For Use With

Receptacle Assembly

Packaging Features

Packaging Method

Tube

Packaging Quantity

24

Other

Comment

Sequencing of the mating posts and lead lengths is available. Worksheets for this procedure may be found under Z-PACK 2mm FB General Information.

Product Compliance

[Statement of Compliance](#)  
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

BOARD-TO-BOARD HEADERS & RECEPTACLES



2MM FB, ASY, 048, SIG,  
REC, EN, 3.55  
5536511-2

Save to List

BOARD-TO-BOARD HEADERS & RECEPTACLES



2MM FB, ASY, 024, SIG,  
REC, EN, 3.55  
5536511-1

Save to List

SURFACE MOUNT RESISTORS



CPF 0805 24R 0.1% 25PPM  
1K RL  
CPF0805B24RE1

Save to List

Find Similar Products

PCB SINGLE RELAYS



V23076A1022C133  
1393277-8

Save to List

Find Similar Products



Products - 6 Results

[View All](#)

[Compare 0/10](#)

Relation Type ▼

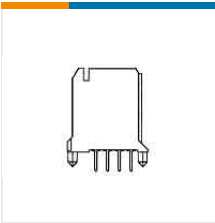
RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles  
Z-PACK | Future Bus+

**2MM FB, 4RV, REC, ASY, 048, SL, 4.25 - 5223655-2**  
TE INTERNAL NUMBER: 5223655-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **2 mm**

Number of Positions **48**

Packaging Method **Tube**

Contact Mating Area Plating

Material **Gold over Palladium**

**Nickel**



RELATIONSHIP

### Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles  
Z-PACK | Future Bus+

**2MM FB, ASY, 048, SIG, REC, EN, 3.55 - 5536511-2**  
TE INTERNAL NUMBER: 5536511-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **2 mm**

Number of Positions **48**

Packaging Method **Tube**

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  
Z-PACK | Future Bus+

**2MM FB, ASY, 048, SIG, REC, SL, 2.73 - 5536507-2**  
TE INTERNAL NUMBER: 5536507-2

✓ Active

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline **2 mm**

Number of Positions **48**

Packaging Method **Tube**

Contact Mating Area Plating



