



## BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

TE CONNECTIVITY (TE)

### 2MM FB,ASY,024,SIG,REC,EN,3.55

Z-PACK | Future Bus+

5536511-1

TE Internal Number: 5536511-1

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

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

Number of Positions **24**

Packaging Method **Tube**

Contact Mating Area Plating Material **Gold**

#### Product Drawings

[RCPT. ASSY, SIGNAL MODULE, Z-PACK 2mm FB 4 ROW, 3.55mm PRESS FIT LEAD LENGTH](#)

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

Drawing for all design activity.

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Product Type Features	Connector Style	<b>Receptacle</b>
	PCB Mounting Orientation	<b>Right Angle</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>Connector Assembly</b>	

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Configuration Features	Number of Positions	<b>24</b>
	Sequencing	<b>No</b>
	Number of Signal Positions	<b>24</b>
	Number of Rows	<b>4</b>
	Stackable	<b>No</b>

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Electrical Characteristics	Voltage (VAC)	<b>30</b>
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Body Features	Post Plating Material	<b>Tin</b>
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Contact Features	Contact Mating Area Plating Material	<b>Gold</b>
	Contact Mating Area Plating Thickness ( $\mu\text{in}$ )	<b>30</b>
	Contact Current Rating (A)	<b>3</b>
	Contact Type	<b>Socket</b>
	Contact Configuration	<b>Dual Beam</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 <math>\mu\text{m}</math> [ 23.622 <math>\mu\text{in}</math> ]</b>
	Contact Base Material	<b>Phosphor Bronze</b>



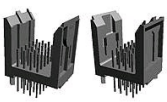
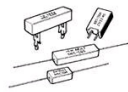
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Termination Features	Interface Type	<b>Futurebus+</b>
	Termination Method to PC Board	<b>Through Hole - Press-Fit</b>
	Termination Post Length	<b>3.56 mm [ .14 in ]</b>

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Mechanical Attachment	Mating Alignment Type	<b>Polarizing Rib</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Solder Tail (Pin)</b>
	PCB Mount Alignment Type	<b>Boss</b>
Housing Features	Centerline	<b>2 mm [ .079 in ]</b>
	Housing Material	<b>LCP (Liquid Crystal Polymer)</b>
	Housing Color	<b>Natural</b>
Dimensions	Tail Length	<b>3.55 mm [ .139515 in ]</b>
	Height	<b>8.25 mm [ .324 in ]</b>
Usage Conditions	Operating Temperature Range	<b>-55 – 125 °C [ -67 – 257 °F ]</b>
Operation/Application	Pick and Place Cover	<b>Without</b>
	For Use With	<b>Plug</b>
Packaging Features	Packaging Method	<b>Tube</b>
	Packaging Quantity	<b>48</b>
Product Compliance	<a href="#">Statement of Compliance PDF</a> <a href="#">VIEW ALL PRODUCT COMPLIANCE</a>	

## CUSTOMERS ALSO BOUGHT

<p>THROUGH-HOLE RESISTORS</p>  <p>YR1 0.1% 21R5 YR1B21R5CC</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>BOARD-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p>2MM FB, ASY, 048, SIG, REC, EN, 3.55 5536511-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>BOARD-TO-BOARD HEADERS &amp; RECEPTACLES</p>  <p>2MM FB, ASY, 048, SIG, HDR, EN, 6.50 5536504-2</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>	<p>THROUGH-HOLE RESISTORS</p>  <p>SQM5 15R 5% (WIRE) SQMW515RJ</p> <p><a href="#">Save to List</a> <a href="#">Find Similar Products</a></p>
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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, ASY, 24, SIG, HDR, SL, 4.25

- 5536501-1

TE INTERNAL NUMBER: 5536501-1

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **2 mm**

Number of Positions **24**

Packaging Method **Tube**

Contact Mating Area Plating

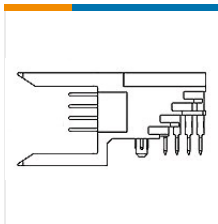
Material **Gold**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - Board-to-Board Headers & Receptacles

Z-PACK | Future Bus+

2MMFB, IS, ASY, 024, SIG, HDR, SL - 5223513-1

TE INTERNAL NUMBER: 5223513-1

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **2 mm**

Number of Positions **24**

Packaging Method **Tube**

Contact Mating Area Plating

Material **Gold over Palladium**

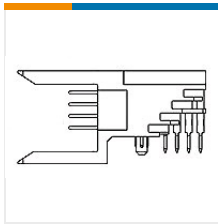
**Nickel**

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, IS, ASY, 024, SIG, HDR, SL - 5223514-1

TE INTERNAL NUMBER: 5223514-1

Active

Always EU RoHS/ELV Compliant

Connector Style **Plug**

Centerline **2 mm**

Number of Positions **24**

Packaging Method **Tube**

Contact Mating Area Plating

Material **Gold over Palladium**

**Nickel**