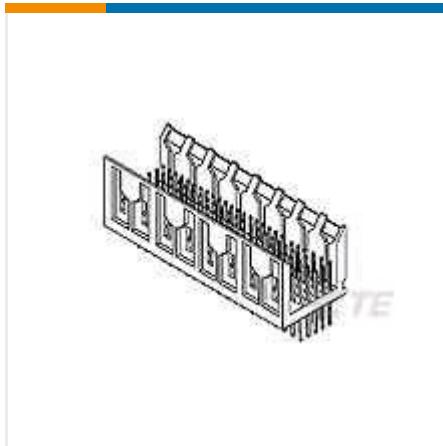




**CONNECTORS**

**BOARD-TO-BOARD HEADERS & RECEPTACLES**



✓ Active

TE CONNECTIVITY (TE)

## FB-5R,ASY,060,SIG,HDR,SL,4.25

Z-PACK | Future Bus+

5223011-2

TE Internal Number: 5223011-2

EU RoHS Compliant

EU ELV Compliant

**Connector Style** Plug

**Number of Positions** 60

**Centerline (Pitch)** 2 mm [ .079 in ]

**Packaging Method** Tube

**Contact Mating Area Plating Material** Gold

[↓ PRODUCT DRAWING](#)  
English

[↓ 3D PDF](#)

### DOCUMENTATION

Product Drawings

#### **ASSEMBLY, PIN, SIGNAL, VERTICAL, Z-PACK 2mm FB, 5 ROW, PRESS FIT 5mm MATING POST W/ 4.25mm PRESS FIT LEADS**

PDF (TIFF AVAILABLE)

English

CAD Files

#### **Customer View Model**

2D\_DXF.ZIP

English

#### **3D PDF**

PDF

3D

## Customer View Model

3D\_IGS.ZIP

English

## Customer View Model

3D\_STP.ZIP

English

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Product Specifications

Application Specification

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

PDF

English

Product Specification

## Connector, Z-PACK\*, 2 Mm FB, Signal And Power

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

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Product Environmental Compliance

TE Material Declaration

## MD\_5223011-2\_030620122230

PDF

English

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## FEATURES



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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Product Type Features

**Module Type** Signal  
**Connector Style** Plug  
**Connector & Contact Terminates To** Printed Circuit Board  
**Post Type** Press-Fit  
**Row-to-Row Spacing** 2 mm [ .079 in ]  
**PCB Mounting Orientation** Vertical  
**Connector Type** Header  
**Boss** Without  
**Product Type** Connector

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#### Configuration Features

**Stackable** No  
**Number of Positions** 60  
**Number of Rows** 5  
**Sequencing** No  
**Number of Signal Positions** 60

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#### Electrical Characteristics

**Dielectric Withstanding Voltage (VAC)** 1000  
**Voltage (VAC)** 30  
**Insulation Resistance (MΩ)** 100 – 5000

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#### Body Features

**Post Plating Material** Tin

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#### Contact Features

**Solder Tail Contact Plating Material** Tin  
**Contact Mating Area Plating Material** Gold  
**Contact Mating Area Plating Thickness** .76 μm [ 29.9212 μin ]  
**Contact Current Rating (Max) (A)** 3  
**Solder Tail Contact Plating Thickness** .6 μm [ 23.622 μin ]  
**Contact Layout** Matrix  
**Press-Fit Post Style** Compliant Pin  
**Contact Base Material** Phosphor Bronze  
**Contact Type** Pin

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#### Termination Features

**Termination Method to PC Board** Through Hole - Press-Fit  
**Termination Post Length** 4.25 mm [ .167 in ]  
**Interface Type** Futurebus+

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#### Mechanical Attachment

**Mating Alignment Type** Polarization  
**PCB Mount Retention** With  
**PCB Mount Retention Type** Action/Compliant Tail

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#### Housing Features

**Centerline (Pitch)** 2 mm [ .079 in ]  
**Housing Material** LCP (Liquid Crystal Polymer)  
**Housing Color** Natural

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## Dimensions

**Mating Post Length** 5 mm [ .197 in ]

**Height** 17.8 mm [ .7 in ]

**Tail Length** 4.25 mm [ .167 in ]

**Width** 18 mm [ .709 in ]

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## Usage Conditions

**Operating Temperature Range (°C)** -55 – 125

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## Operation/Application

**Assembly Process Feature** Board Standoff

**Pick and Place Cover** Without

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## Packaging Features

**Packaging Method** Tube

**Packaging Quantity** 24

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## 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.

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## PRODUCT COMPLIANCE



### Statement of Compliance

**Statement of Compliance**

PDF

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