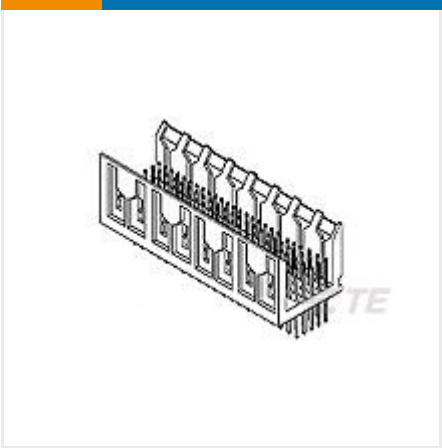




+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
FB-5R,ASY,120,SIG,HDR,SL,4.25
Z-PACK | Future Bus+

5223011-4
TE Internal Number: 5223011-4

EU RoHS Compliant
EU ELV Compliant

Connector Style Plug
Number of Positions 120
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

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

FEATURES



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

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

Configuration Features

Stackable No
Number of Positions 120
Number of Rows 5
Sequencing No
Number of Signal Positions 120

Electrical Characteristics

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

Body Features

Post Plating Material Tin

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

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]

Usage Conditions

Operating Temperature Range (°C) -55 – 125

Operation/Application

Assembly Process Feature Board Standoff
Pick and Place Cover Without

Packaging Features

Packaging Method Tube
Packaging Quantity 12

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

Statement of Compliance
PDF