



+ CONNECTORS

BOARD-TO-BOARD HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)
2MM FB,ASY,120,SIG,HDR,SL,4.25
Z-PACK | Future Bus+

5536501-6
TE Internal Number: 5536501-6

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

Z-PACK 2mm FB, SIGNAL MODULE, PIN ASSEMBLY 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

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 Solder Post
- 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 4
- Sequencing No
- Number of Signal Positions 120

Electrical Characteristics

Voltage (VAC) 30

Body Features

Post Plating Material Tin

Contact Features

- Solder Tail Contact Plating Material** Tin
- Solder Tail Contact Plating Material Finish** Matte
- Contact Mating Area Plating Material** Gold
- Contact Mating Area Plating Thickness (µm)** .76
- Contact Current Rating (Max) (A)** 3
- Solder Tail Contact Plating Thickness** 3.81 µm [149.9997 µin]
- Contact Layout** Matrix
- 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** Guide Pins
- PCB Mount Retention** With
- PCB Mount Retention Type** Action/Compliant Tail

Housing Features

- Centerline (Pitch)** 2 mm [.079 in]
- Housing Entry Style** Top
- Housing Material** LCP (Liquid Crystal Polymer)

Dimensions

- Mating Post Length** 6.5 mm [.256 in]
- Height** 17 mm [.669 in]
- Tail Length** 4.25 mm [.167 in]
- Width** 16 mm [.622 in]

Usage Conditions

Operating Temperature Range -55 – 125 °C [-67 – 257 °F]

Operation/Application

- Assembly Process Feature** Board Standoff
- Pick and Place Cover** Without
- For Use With** Receptacle Assembly

Packaging Features

Packaging Method Tube
Packaging Quantity 9

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