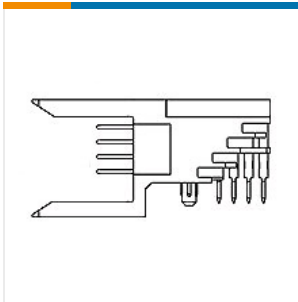




BOARD-TO-BOARD HEADERS & RECEPTACLES



Active

PRODUCT DRAWING
English

3D PDF

TE CONNECTIVITY (TE)

2MMFB,IS,ASY,048,SIG,HDR,SL

Z-PACK | Future Bus+

5223513-2

TE Internal Number: 5223513-2

Always EU RoHS/ELV Compliant

Connector Style **Plug**

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

Number of Positions **48**

Packaging Method **Tube**

Contact Mating Area Plating Material **Gold over Palladium Nickel**

Product Drawings

[ASSEMBLY, PIN, SIGNAL, RIGHT ANGLE, 4 ROW, Z-PACK 2mm FB](#)

PDF (TIFF AVAILABLE)
English

[ASSEMBLY, PIN, SIGNAL, RIGHT ANGLE, 4 ROW, Z-PACK 2mm FB](#)

PDF (TIFF AVAILABLE)
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

3D_STP.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
English

[3D PDF](#)

PDF
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

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	Connector Style	Plug
	PCB Mounting Orientation	Right Angle
	Row-to-Row Spacing	2 mm [.079 in]
	Product Type	Connector
	Applies To	Printed Circuit Board
	Boss	Without
	Post Type	Solder Post
	Module Type	Signal
Connector Type	Header	

Configuration Features	Number of Positions	48
	Sequencing	No
	Number of Signal Positions	48
	Number of Rows	4
	Stackable	No

Electrical Characteristics	Voltage (VAC)	30
	Insulation Resistance (M Ω)	100 – 5000
	Dielectric Withstanding Voltage (VAC)	1000

Body Features	Post Plating Material	Tin
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Contact Features	Contact Mating Area Plating Material	Gold over Palladium Nickel
	Contact Mating Area Plating Thickness	.08 μm [3.1496 μm]
	Contact Current Rating (A)	3
	Contact Type	Pin
	Solder Tail Contact Plating Material	Tin
	Contact Layout	Matrix
	Solder Tail Contact Plating Thickness	3.81 μm [149.9997 μm]
	Contact Base Material	Phosphor Bronze

Termination Features	Interface Type	Futurebus+
	Termination Method to PC Board	Through Hole - Solder
	Termination Post Length	2.73 mm [.107 in]

Mechanical Attachment	Mating Alignment Type	Polarization
	PCB Mount Retention	With
	PCB Mount Alignment Type	Locating Posts
Housing Features	Centerline	2 mm [.079 in]
	Housing Material	LCP (Liquid Crystal Polymer)
	Housing Color	Natural
Dimensions	Mating Post Length	5 mm [.197 in]
	Tail Length	2.73 mm [.107289 in]
	Width	16 mm [.622 in]
	Height	11.2 mm [.44016 in]
Usage Conditions	Operating Temperature Range (°C)	-55 – 125
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	Board Standoff
Packaging Features	Packaging Method	Tube
	Packaging Quantity	24
Product Compliance	Statement of Compliance PDF VIEW ALL PRODUCT COMPLIANCE	

Products - 6 Results

[View All](#)

Compare 0/10 

Relation Type ▼

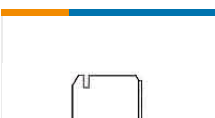
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**





2MM FB, 4RV, REC, ASY,
048, PF, 4.25 - 5223650-2

TE INTERNAL NUMBER: 5223650-2

✓ Active

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 I 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**



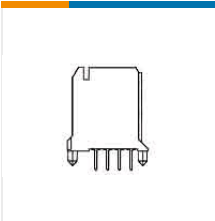
RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

2MM FB, 4RV, REC, ASY,
048, SL, 3.20 - 5223660-2

TE INTERNAL NUMBER: 5223660-2

✓ 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**

