5536624-1 ✔ ACTIVE

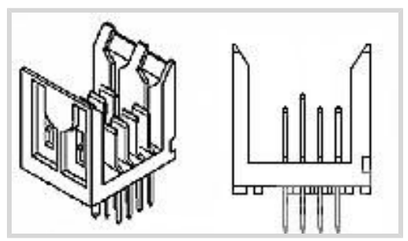
Z-PACK | Z-PACK Future Bus+

TE Internal #: 5536624-1

Rectangular Power Connectors, Header, Plug, Board-to-Board, 8 Position, 2 mm [.079 in] Centerline, Printed Circuit Board, UL 94V-0, Z-PACK Future Bus+

View on TE.com >

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Board-to-Board**

Number of Positions: **8**

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

Features

Product Type Features

Header Type	Partially Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Mating & Unmating Configuration	Sequencing
Number of Positions	8
Interface Type	Futurebus+
PCB Mount Orientation	Vertical
Number of Power Positions	8
Number of Signal Positions	0
Number of Rows	4

Electrical Characteristics

Operating Voltage	30 VDC

Contact Features

Contact Layout	Matrix

Contact Termination Area Plating Finish	Matte
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	With
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Termination Area Plating Thickness	3.81 – 8.89 µm[150 – 350 µin]

Termination Features

Termination Post & Tail Length	3.43 mm[.135 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarizing Rib
PCB Mount Retention	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Row-to-Row Spacing	2 mm[.079 in]
Height	17 mm[.668 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]

Usage Conditions

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

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Power

Industry Standards

UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

Packaging Features

Packaging Method	Tube
Packaging Quantity	48

Other

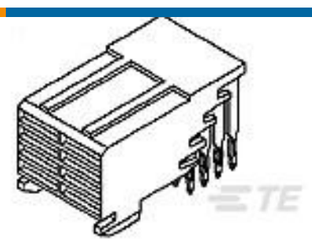
For Use With	Receptacle Assembly

Product Compliance

For compliance documentation, visit the product page on TE.com>

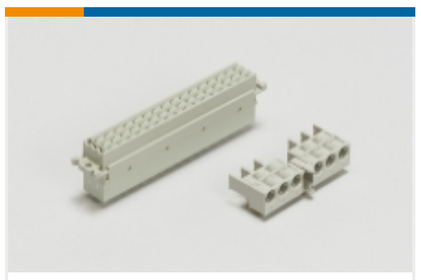
EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Pin-in-Paste capable to 260°C

Compatible Parts

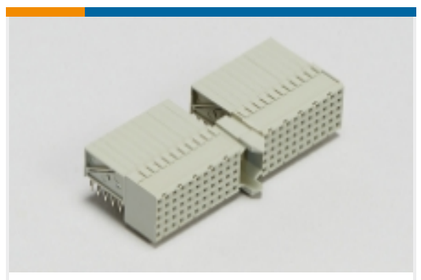


TE Part # 5536607-1
2MM FB,ASY,008,PWR,REC,SL,2.73

Also in the Series | Z-PACK Future Bus+



Backplane Connector Housings(19)



Hard Metric Backplane Connectors(1)

Rectangular Power Connectors(35)

Documents

Product Drawings

2MM FB,ASY,008,PWR,HDR,SL,SEQ

English

CAD Files

Customer View Model

ENG_CVM_5536624-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_5536624-1_A.3d_stp.zip

English

Customer View Model

ENG_CVM_5536624-1_A.2d_dxf.zip

English

3D PDF

English

Product Specifications

Application Specification

English