



TE Connectivity: Every Connection Counts
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CONNECTORS



BOARD-TO-BOARD HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)
BTB,0.5 PITCH,80P,PLUG,3H,W/ BOSS & PEG
 0.5mm FH | .5mm FH

8-2041250-0
 TE Internal Number: 8-2041250-0

Not reviewed for RoHS Compliance

Connector Style **Plug**

Centerline **.0197 mm [.5 in]**

Stack Height **3 mm [.118 in]**

Number of Positions **80**

Packaging Method **Tape & Reel**

Obsolete

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

Product Drawings

BOARD TO BOARD CONNECTOR, 0.5mm PITCH, FINE-MATE, PLUG, 3H, WITH BOSSES & PEG
 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

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
Board-to-Board Configuration	Mezzanine
Type	COM Express

PCB Mounting Orientation	Vertical
Row-to-Row Spacing	2 mm [.0786 in]
Applies To	Printed Circuit Board
Product Type	Connector
Boss	With
Series	Free Height

Configuration Features	Number of Positions	80
	Cover	With
	Preloaded	Yes
	Number of Rows	2
	Stackable	Yes

Electrical Characteristics	Voltage (VAC)	50
	Insulation Resistance (MΩ)	500
	Dielectric Withstanding Voltage (VAC)	150

Body Features	Cover Type	Vacuum Cover
	Grounding Plate	Without
	Sealant	Without

Contact Features	Contact Mating Area Plating Material	Gold
	Contact Mating Area Plating Thickness	.254 μm [9.99998 μin]
	Contact Shape	Square
	Contact Current Rating (A)	.5
	Contact Type	Tab
	Solder Tail Contact Plating Material	Gold
	Contact Layout	Inline
	Grounding Contact	Without
	Solder Tail Contact Plating Thickness	.0254 μm [1 μin]
	Contact Base Material	Phosphor Bronze

Termination Features	Termination Method to PC Board	Surface Mount
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Mechanical Attachment	Mating Alignment Type	Keyed
	PCB Mount Retention	Without
	PCB Mount Retention Type	Solder Peg
	PCB Mount Alignment Type	Locating Posts
Housing Features	Centerline	.0197 mm [.5 in]
	Housing Material	LCP GF30 (Liquid Crystal Polymer)
	Housing Color	Black
Dimensions	Stack Height	3 mm [.118 in]
	Height	2.25 mm [.0884 in]
Usage Conditions	Operating Temperature Range	-45 – 125 °C [-49 – 257 °F]
Operation/Application	Pick and Place Cover	Without
	Assembly Process Feature	None
	For Use With	Receptacle Housing
Industry Standards	UL Flammability Rating	UL 94V-0
Packaging Features	Packaging Method	Tape & Reel
	Packaging Quantity	1000
Product Compliance	<p>Statement of Compliance PDF</p> <p>VIEW ALL PRODUCT COMPLIANCE</p>	