

FINE PITCH BOARD-TO-BOARD CONNECTOR SERIES

QUICK REFERENCE GUIDE

FINE PITCH BOARD-TO-BOARD CONNECTOR SERIES

When it comes to high-reliability in small spaces, TE delivers with fine pitch board-to-board connectors and shielded board-to-flexible printed circuit connectors. These connectors have robust anchor points for durability, making them a design-flexible, effective solution for a variety of today's smart devices.

Key Features

- 0.4mm centerline
- 8 to 40 positions available
- Stacking height ranges 0.8mm and 0.98mm
- Width ranges from 2.0mm to 2.98mm

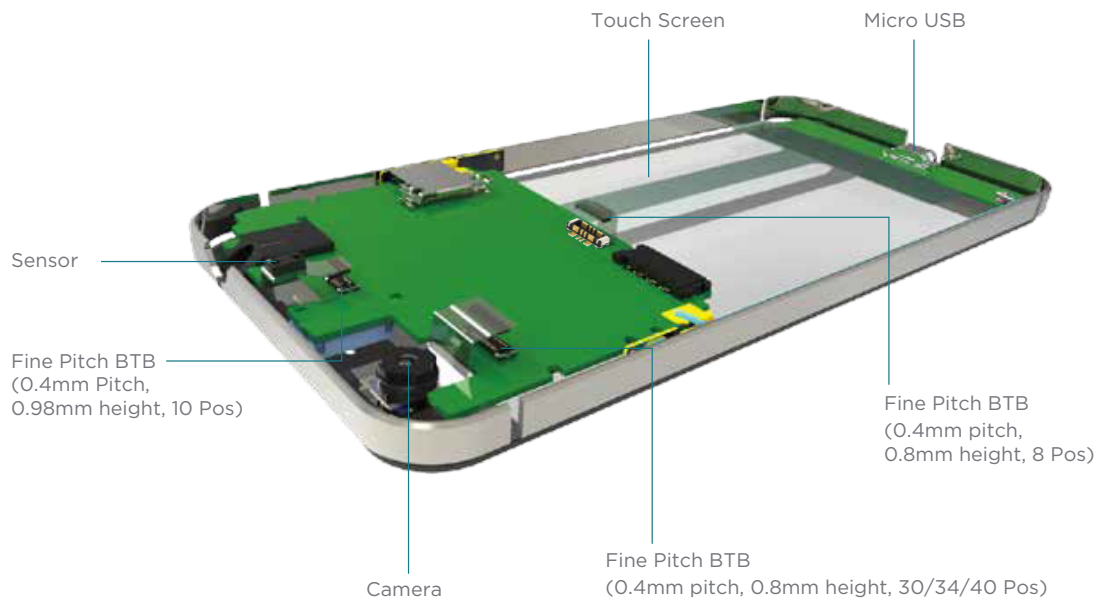
Benefits

- Improved cost effectiveness by reducing number of components needed and the size of the tooling platform
- Super narrow body with sufficient pick and place area
- Design flexibility allows position extensions
- Ni-barrier to help eliminate solder wicking issues

Applications

- Wearables
- Mobile Phones
- Tablet PCs
- Rugged Phones
- Mobile Phones
- Ultraportable Devices
- Notebooks
- Navigation Systems
- Gaming Consoles
- Camera links application

APPLICATION

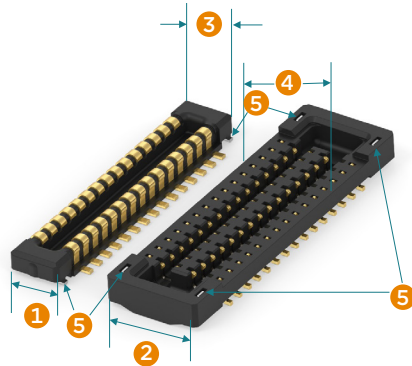


0.4MM PITCH BTB CONNECTORS

Super Narrow Body with Sufficient Pick and Place Area

Key Dimension

1. 1.36mm
2. 2.52mm
3. 1.36mm
4. 2.52mm
5. Metal pegs: Enhancing retention force on PCB



0.4mm Pitch Stacking Connector
0.8mm and 0.98mm Stacking Height

High Contact Reliability



Dual Contact Point Structure



Contact Self-lock Structure

PRODUCT OFFERINGS

Picture	Plug/Rec	Position	Pitch (mm)	Stacking Height (mm)	Width (mm)	Part Number	Description
	Plug	10	0.4	0.98	2.03	1-2201196-0	0.4mm BTB Plug
	Receptacle		0.4	0.98	2.98	1-2201197-0	0.4mm BTB Receptacle
	Plug	30, 40	0.4	0.8	2.0	*-2363962-*	0.4mm BTB Plug
	Receptacle		0.4	0.8	2.58	*-2363961-*	0.4mm BTB Receptacle
	Plug	34	0.4	0.8	2.16	3-2396002-4	0.4mm BTB Plug
	Receptacle		0.4	0.8	2.69	3-2396001-4	0.4mm BTB Receptacle
	Plug	8	0.4	0.8	2.60	2386587-1	0.4mm BTB Plug
	Receptacle		0.4	0.8	2.60	2386586-1	0.4mm BTB Receptacle

FREQUENTLY ASKED QUESTIONS

- **What is the stacking height of TE's fine pitch board-to-board connectors?**
The stacking height for the fine pitch board-to-board connectors ranges from 0.8mm to 0.98mm.
- **What is the centerline (pitch) requirement of the fine pitch board-to-board connectors?**
TE offers the centerline space of 0.4mm.
- **What are the positions of TE's fine pitch board-to-board connectors?**
TE offers the fine pitch board-to-board connectors ranging from 8 to 40 positions.
- **What is the major application of TE's fine pitch board-to-board connectors?**
This product series can be used in camera link applications, rugged phone, wearable device, game console, POS, PDA, tablet PCs, sports camera, drone, ultraportable devices, notebooks, robot vacuum cleaner, camera application in vehicle navigation systems and gaming consoles.
- **Do I need to match a specific current rating for each application?**
In general, the fine pitch board-to-board connectors are rated 0.3-0.5 amps for signal contact. TE also offers fine pitch board-to-board connector with high current up to 12 Amp for power pin, which can be used on applications for power/battery connection. For specification details, please check TE product specification.

FOR MORE INFORMATION

www.te.com/products/fpbtb

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