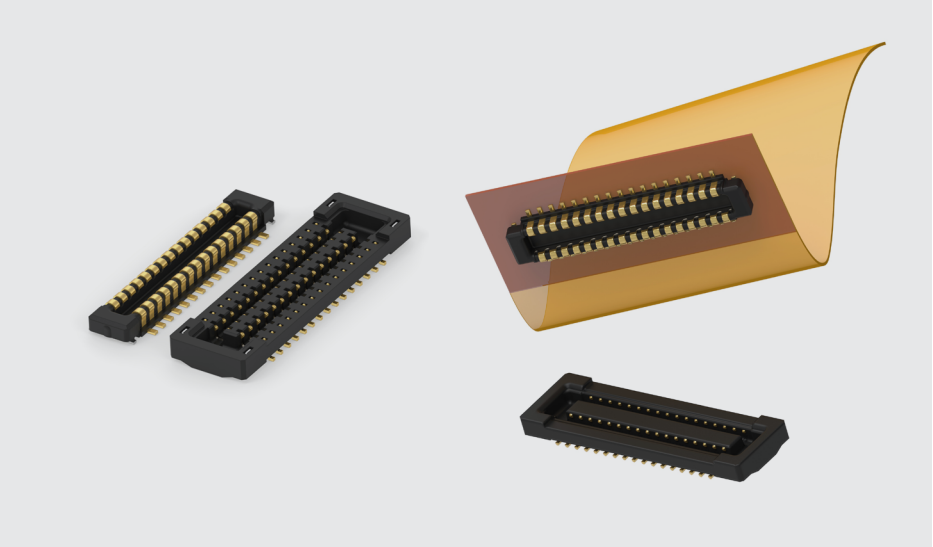
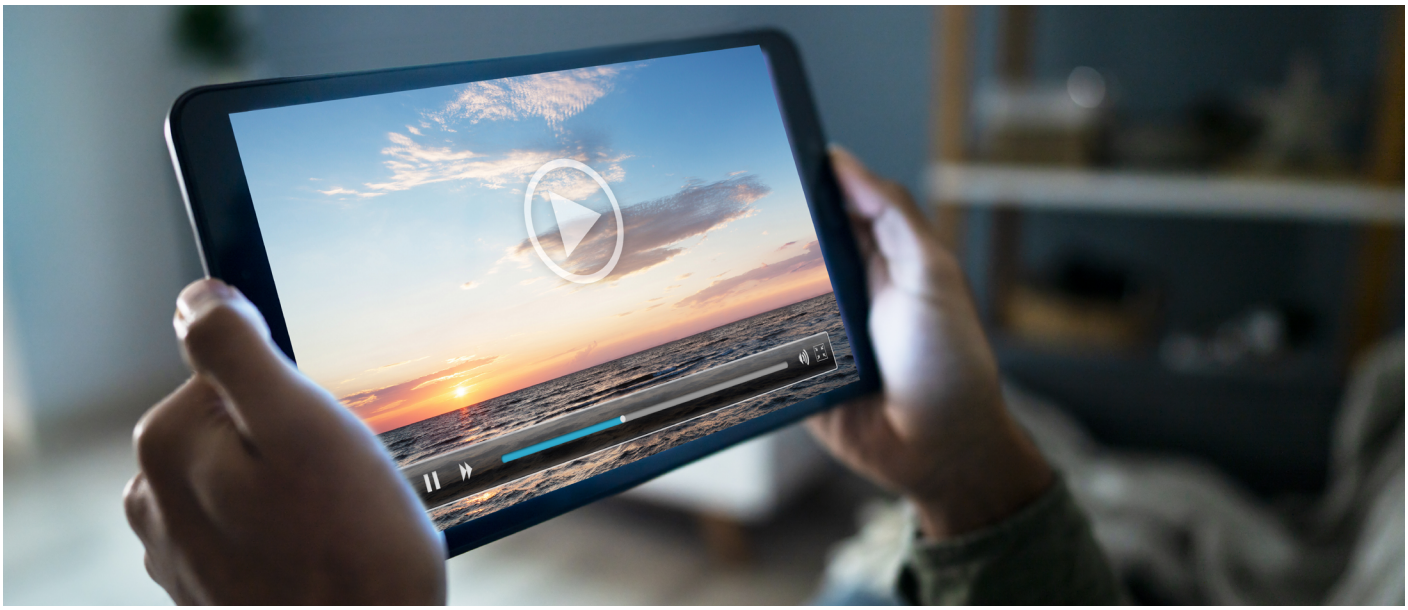




FINE PITCH BOARD-TO-BOARD CONNECTOR SERIES

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

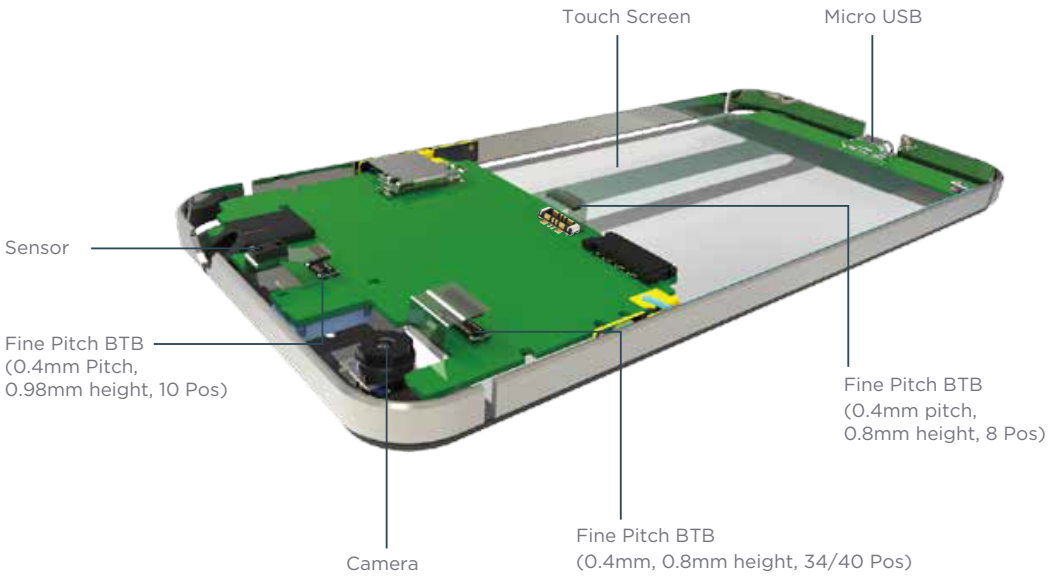
- Improved cost effectiveness by reducing number of components needed and the size of the tooling platform
- Super narrow body with suffcient pick and place area
- Design flexibility allows position extensions
- Ni-barrier to help eliminate solder wicking issues

APPLICATIONS

All IoT Applications with camera/sensor/display related.

- Home & Security – Smart home control panel, Doorbell / small locker with camera, Thermostat control panels, Monitoring equipment, Robot vacuum cleaner
- Consumer electronics –Wireless Earbuds, Tablets, VR glasses, Wearables, Drone, Smartphones
- Vehicles – Navigation devices, Car drive video Record, Autonomous
- Commercial – Point-of-Sales terminals, Self-checkout machine, Security system panel
- Industrial – Rugged mobile, Warehouse Robot

APPLICATION EXAMPLE

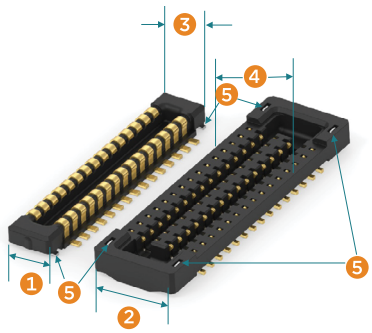


0.4MM PITCH BTB CONNECTORS

Super Narrow Body with Sufficient Pick and Place Area

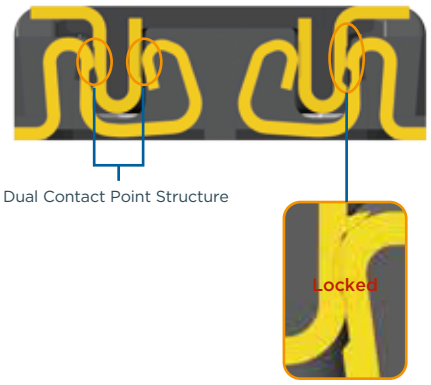
Key Dimensions

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

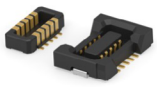
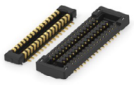
High Contact Reliability

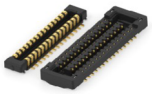


Dual Contact Point Structure

Contact Self-lock Structure

PRODUCT OFFERINGS

Picture	Part Number	Description	Position	Pitch	Stacked Height	Width	Length
	1-2201196-0	0.4mm Fine Pitch BTB Plug	10	0.4mm	0.98mm	2.03mm	3.21mm
	1-2201197-0	0.4mm Fine Pitch BTB Receptacle	10	0.4mm	0.98mm	2.98mm	4.22mm
	2-2363962-0	0.4mm Fine Pitch BTB Plug	20	0.4mm	0.8mm	2.0mm	5.56mm
	2-2363961-0	0.4mm Fine Pitch BTB Receptacle	20	0.4mm	0.8mm	2.58mm	6.5mm
	2-2363962-4	0.4mm Fine Pitch BTB Plug	24	0.4mm	0.8mm	2.0mm	6.36mm
	2-2363961-4	0.4mm Fine Pitch BTB Receptacle	24	0.4mm	0.8mm	2.58mm	7.3mm

Picture	Part Number	Description	Position	Pitch	Stacked Height	Width	Length
	3-2363962-0	0.4mm Fine Pitch BTB Plug	30	0.4mm	0.8mm	2.0mm	7.56mm
	3-2363961-0	0.4mm Fine Pitch BTB Receptacle	30	0.4mm	0.8mm	2.58mm	8.5mm
	4-2363962-0	0.4mm Fine Pitch BTB Plug	40	0.4mm	0.8mm	2.0mm	9.56mm
	4-2363961-0	0.4mm Fine Pitch BTB Receptacle	40	0.4mm	0.8mm	2.58mm	10.5mm
	3-2396002-4	0.4mm Fine Pitch BTB Plug	34	0.4mm	0.8mm	2.16mm	8.26mm
	3-2396001-4	0.4mm Fine Pitch BTB Receptacle	34	0.4mm	0.8mm	2.69mm	9.2mm
	2386587-1	0.4mm Fine Pitch BTB Plug	8	0.4mm	0.8mm	2.60mm	3.86mm
	2386586-1	0.4mm Fine Pitch BTB Receptacle	8	0.4mm	0.8mm	2.60mm	4.90mm

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 like, 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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*as defined www.te.com/leadfree

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