

## Quick Reference Guide

### Fine Pitch Board to Board Connectors - 0.35mm & 0.4mm Pitch

The TE Connectivity (TE) fine pitch board to board connector is an optimized interconnect solution for smaller and thinner electronic products, developed to meet the latest trends of the electronic industry for high density packaging. The economical surface mount connector is an ideal solution for applications requiring miniaturization, such as smart and mobile phones, tablet PC and other consumer electronics.

TE's fine pitch board to board product series features a smaller centerline, narrower body and lower mating height. Other advantages include: formed contacts that provide contact points on a rolled surface, enabling high reliability; enhanced usability for easy mating and robustness; ample surface area to accommodate pick-and-place; and Ni-barrier for solder wicking; etc. Our fine pitch board to board solutions are available in various heights from 0.6mm to 1.0mm. With its outstanding design capability, TE continues to expand its fine pitch board to board connector series with innovative new products.

#### Product Features

- Sufficient pick-and-place area
- Minimum self-alignment distance of 0.3 mm
- Dual contact points
- Anti-solder wicking feature

#### Applications

- Smart and mobile phones
- Tablet PC
- Ultraportable devices
- Portable game (unit)
- Portable music player
- Digital still camera
- Camcorder
- E-book reader

## Basic Information

### Contact Locking

Formed contacts provide contact points on a rolled surface, enabling high reliability and good mating as shown in Figure A. Multiple point contact system may enable continuous mating in case of a physical shock from application device.

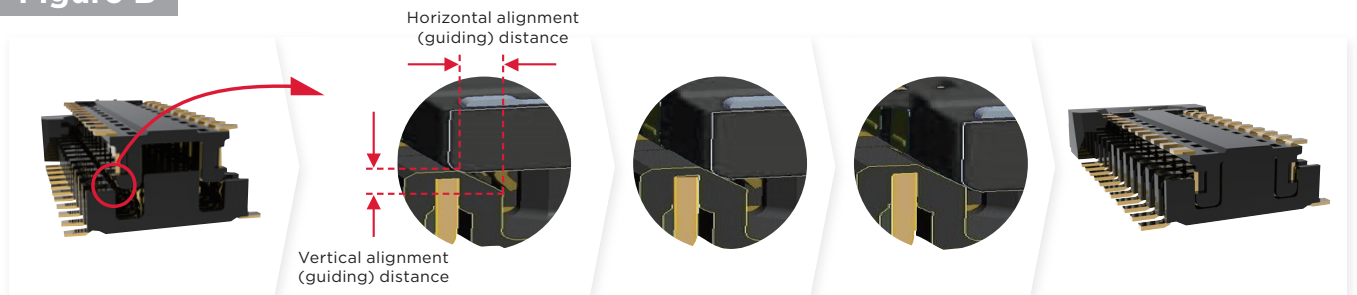
Figure A



### Mating Guidance

Sufficient mating guide distance is maintained to provide a self-alignment feature as shown in Figure B. In addition, a pre-locking feature helps find a proper mating position.

Figure B

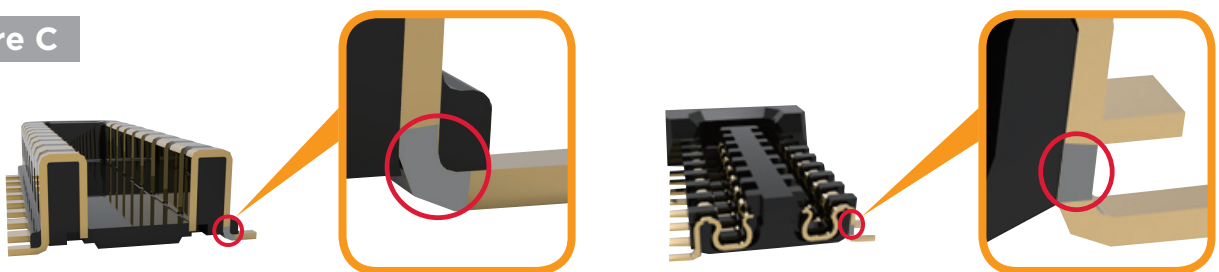


Self-Alignment

### Anti-solder Wicking

Ni-barrier on the signal contacts can prevent solder wicking as shown in Figure C and special formed contacts on a rolled surface can provide high electrical reliability.

Figure C



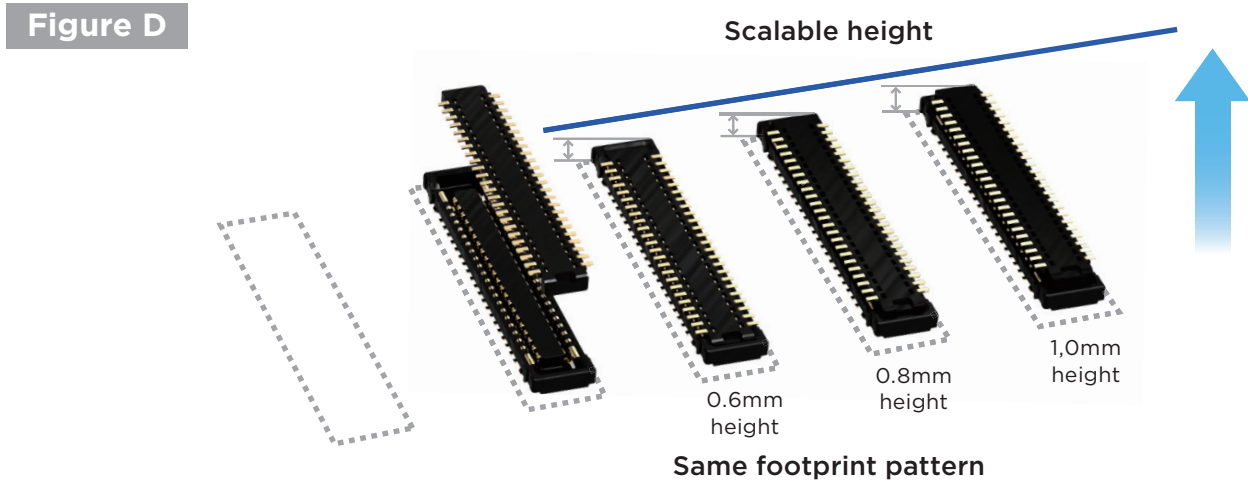
### Efficiency Improvement

Sufficient pick-and-place area helps remove the need to change the nozzle and thus cutting labor costs at the production line.

## Basic Information (continued)

### Scalable Height Concept

Variety of applications require different height versions of interconnect. Our scalable 0.6mm-1.0mm board to board connectors allow users to design interconnect solutions using the same footprint pattern and module with different heights.



## Roadmap and Part Numbers

		Super Low Profile		Narrow Body Scalable Height
Pitch		0.4mm	0.4mm	0.35mm
Height		0.98mm	0.6mm	0.6mm-1.0mm
Width		2.98mm	3.0mm	1.85mm
Image				
P/N	Plug	2201196	2108514	2260253
	Receptacle	2201197	2108510	2260249

## FOR MORE INFORMATION

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Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [www.te.com/leadfree](http://www.te.com/leadfree)

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5-1773464-1 CS 1M 06/2013

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