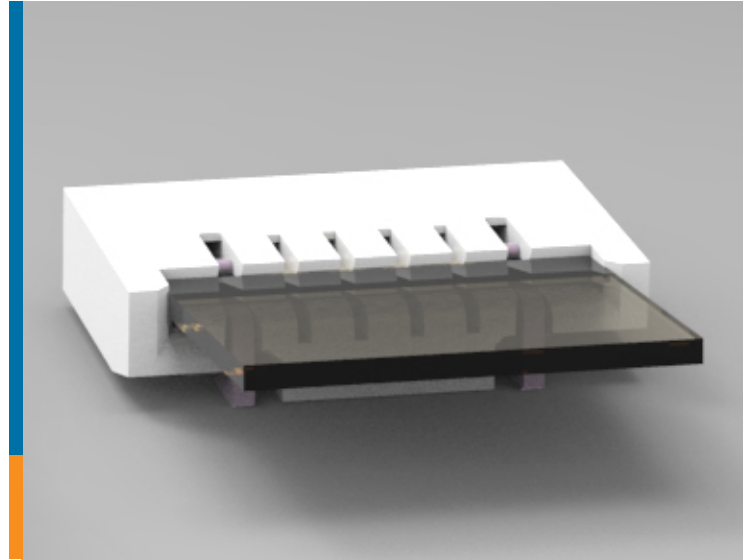


0.4MM PITCH FPC NON-ZIF CONNECTOR



Non-ZIF FPC connector from TE Connectivity (TE) has been developed for internal connections of mobile equipment such as digital cameras, tablet PCs, smartphones, and handheld game consoles. Compared to existing products, TE's Non-ZIF FPC connector is small and very low-profile, with a depth of only 0.9mm and a width of only 2.45mm, which meet the high-density package requirements for multifunction, high-performance mobile devices. The dual contact (upper and lower) design contributes to less restriction in the layout of an FPC or a PCB. Its low insertion force structure with slant FPC insertion allows easy assembly, a higher yield rate, and better utilization of PCB real estate.

Key Features

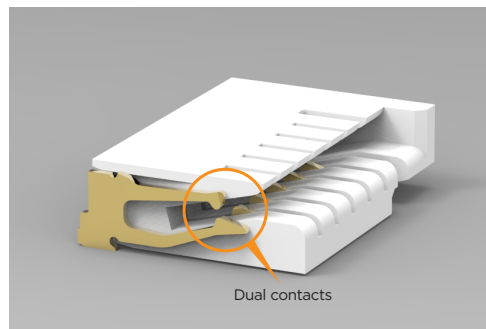
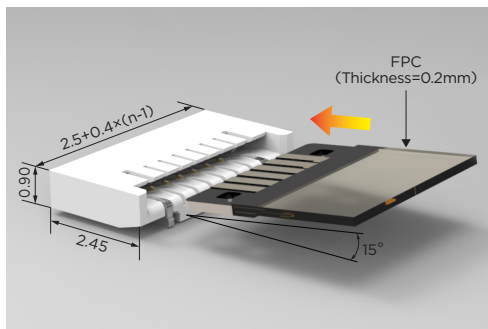
- 0.9mm height, 0.4mm pitch with 4-20 positions
- Dual contact design (Upper and lower)
- 2.45mm width allows for greater utilization of PCB real estate
- Simple connector structure
- Slanted FPC insertion
- Latch lock system
- Thinner FPC recommended: 0.2mm

Applications

- Digital Still Camera
- Handheld Game Console
- Smartphone
- Tablet
- Wearables

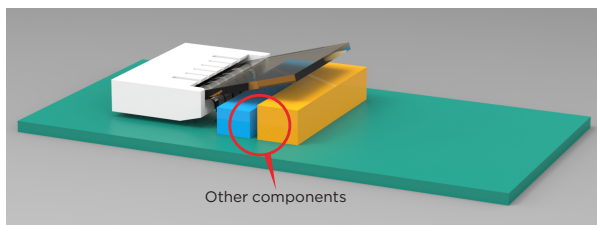
Dimension and Dual Contact Design

- Combination of fine pitch (0.4mm) super low profile (0.9mm) and narrow width (2.45mm) provide significant space savings.
- Both top and bottom contacts can be used. This feature provides less-restriction in layout of a FPC.

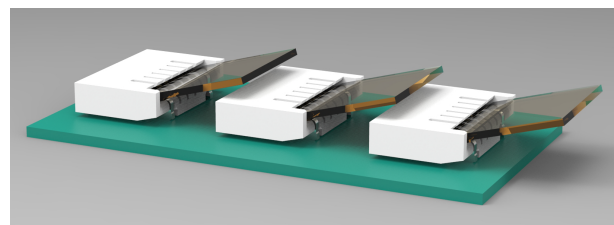


Slanted FPC Insertion

- Easy mating operation (one action) to improve operator ease-of-use.
- Connector could be placed anywhere on a PCB.
- Angled insertion to free up space in front of the interconnect, thus saving PCB space.



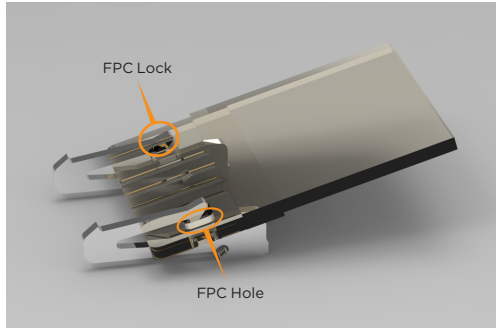
The slant insertion allows for extra clearance in front of the connector.



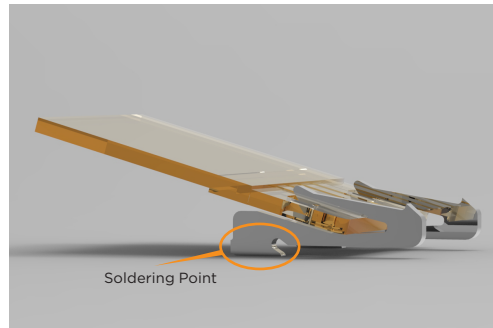
Multiple inline placements can be used with 0.8mm clearance distance between connectors.

Latch Lock System

- Provides tactile click letting the operator know mating is successful.
- Provides higher mated retention force.
- Provides stronger FPC retention force.
- Provides better anti-peeling strength.



FPC notch area is used for firm locking.



Pegs are designed to be soldered at the front end of the connector which increases anti-peeling strength when pulling up FPC.

Product Offering

PN	Postions	Pitch	Height	Width	Contact	Samples
2229921-1	4	0.4mm	0.9mm	2.45mm	Upper & lower	✓
2229921-3	6					✓
1-2229921-7	20					✓

For More Information

te.com/products/FPC

Technical Support

te.com/support-center

Australia	+86 400-820-6015	Hungary	+36 1-2892040	Portugal	+34 91-6630420
Austria	+43 1-9056-0	India	+86 400-820-6015	Russia	+74 95-790-790-2200
Belgium	+31 73-6246999	Ireland	+1 800-882-391	Slovakia	+42 02-720-11102
Brazil	+55 11-2103-6000	Italy	+39 011-4012111	Slovenia	+38 615-602-132
China	+86 400-820-6015	Japan	+044-844-8052	South Africa	+97 150-457-0806
Czech Republic	+42 02-7201-1103	Korea	+02-3415-4607	Spain	+34 932-910-330
Denmark	+46 8-5072-5000	Latvia	+37 2-6778-673	Sweden	+46 8-5072-5000
Estonia	+37 2677-8673	Lithuania	+37 037426900	Switzerland	+41 71-447-0447
Finland	+46 8-5072-5000	Luxembourg	+31 73-6246999	Taiwan	+86 400-820-6015
France	+33 1-34-20-8686	Netherlands	+31 73-6246999	Turkey	+90 212-282-6053
Germany	+49 6151-607-1999	New Zealand	+86 400-820-6015	United Kingdom	+44 0800-267666
Greece	+97 1-4-347-0226	Norway	+46 8-5072-5000	United States of America	800-522-6752
Holland	+31 73-6246999	Poland	+48 22-4576750		



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