






Announce of new variation of 5.08 pitch connector "FTC series"



We have developed new variations of the "FTC series" connectors accommodate two 5.08 mm pitch crimped cables.

- (1) PCB side connector straight type (FTC11- □□ S □).
 - (2) 10pin version added to PCB side connector / right angle type (FTC11), Cable to Cable type (FTC12), and locking type (FTC02).
 - (3) 0.1μm thickness gold-plated version added to the PCB side connector and the crimp contact.
- Please refer to the table below for a list of variations.

<FTC series variation list>

Product type		No. of contacts			
		6	10 <i>*New products</i>	12	20
Plug		○	-	○	○
	FTC11-□□SF Straight type <i>*New products</i>	○	-	○	○
		○	○	○	○
	FTC11-□□SB Straight type Contact plating 0.1 μm <i>*New products</i>	○	○	○	○
Receptacle		○	○	○	○
	FTC12-□□ Cable relay type	○	○	○	○
		-	-	○	-
	FTC01-□□ Drawer type	-	-	○	-
		○	○	○	○
	FTC02-□□ with lock type	○	○	○	○

<Products released>

- FTC11- □□ S □: Plug (PCB side, straight type)
- FTC11- □□□ B: Plug (PCB side, straight type, and right angle type) - 0.1µm thickness gold-plated contact.
- FTC02-10, FTC11-10L □, FTC12-10: 10 pin version added
- # 625B- □□-□: crimp contact gold-plated thickness 0.1 µm
- # 641B- □□-□: crimp contact with 0.1 µm thickness gold-plated

<Main target market>

- Electric power equipment • Vehicle equipment • Industrial equipment
- Electronic application equipment • Amusement equipment • Office equipment

<Features>

- Two crimped cables can be accommodated into one contact.
- Applicable to AWG # 14/16/18/20.
- Crimped cable can be mounted at any point of the housing.
- Crimping two cables together enables to save space and transfer power-supply between connectors.
- Mating guide structure absorbs ± 3 mm in the location error.
- Marginal screw hole of the cable side connector absorbs ± 0.7 mm in the XY direction after mating. (FTC01)
- Effective mating length is as tall as 3 mm.
- Twin-leaf pinching 2 point contact structure prevents buckling of contact, and the stable contact force improves reliability.

<Specifications>

- Insulator materials: PBT (with glass-filled) UL94V-0 material, black
- contact material: Copper alloy
- contact plating: Nickel plated base

Contact / gold-plated

FTC11- □□□ B: 0.1 µm or more (thin plated product)

FTC11- □□□ F: 0.38 µm or more (thick plated product)

Tail / gold-plated

Retention clip material: Copper alloy

Retention clip finish: Nickel plated base, gold-plated

- Current rating: 5.5A to 20A per contact

Current rating varies depending on the combination of cables and terminals used.

-Rated voltage: 600V AC / DC

- Contact resistance: 10mΩ or less
- Dielectric withstand voltage: AC2,200V, 1 minute
- Insulation resistance: DC500V, 1,000MΩ or more
- Durability of insertion and removal: FTC11- □□□ B 100 times FTC11- □□□ F 500 times
- Operating temperature: -55 °C ~ + 105 °C