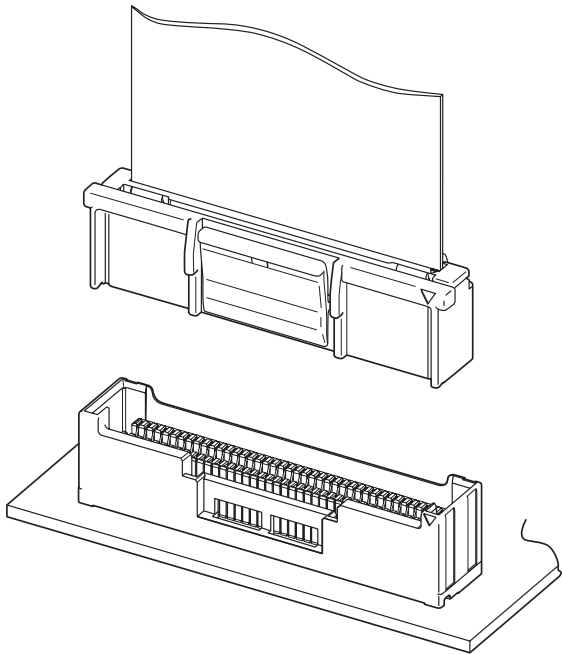


# FCT CONNECTOR

1.0mm pitch/Disconnectable connectors for flat cables



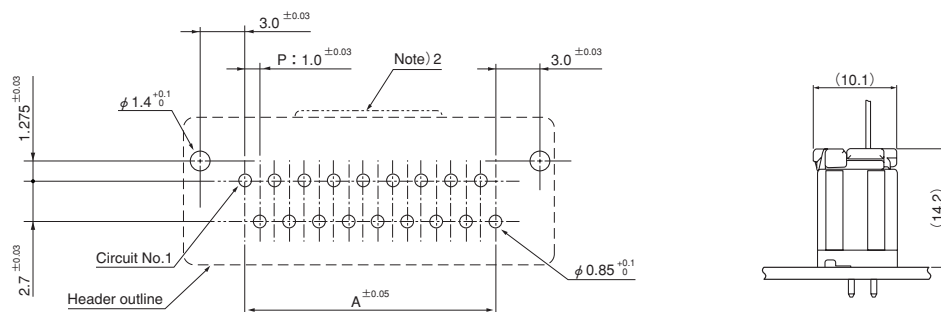
**This connector realizes high cost performance, to be designed with the new connector concept that the conductors of flat cable that was fixed up in the plug housing are directly touched to the base contacts.**

- Countermeasure to short circuit by whisker
- High reliability design by both side contact
- Low insertion force
- With secure locking device

## Specifications

- Current rating: 1.0A AC, DC
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C  
(including temperature rise in applying electrical current)
- Recommended applicable FFC: Conductor pitch/1.0mm  
Conductor width/0.6mm  
Conductor thickness/0.1mm  
Thickness with insulator/0.4mm
- PC board mounting direction: Top entry
- \* RoHS compliant products are published.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

## PC board layout (viewed from component side) and Assembly layout

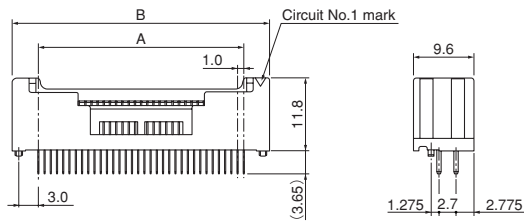


- Note: 1. Dimension A in the above figure is the same as the dimensions A of the shrouded header.  
 2. Protrusion (narrow line part): The outline of the lock protrusion (operation part) of plug for mating connector is shown.  
 3. Tolerances are non-cumulative: ±0.05mm for all centers.  
 4. Hole dimensions differ according to the kind of PC board and piercing method.  
 The dimensions above should serve as a guideline. Contact JST for details.

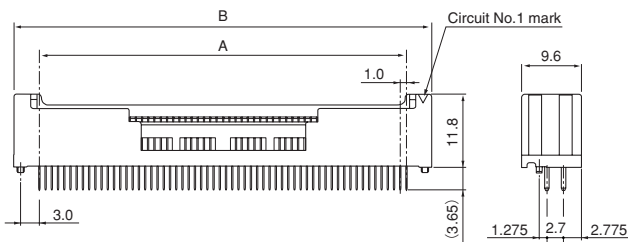
# FCT CONNECTOR

## Shrouded header

<26, 34, 40 circuits>



<60 circuits>



Circuits	Model No.		Dimensions (mm)		Q'ty / box
	With boss	Without boss	A	B	
26	<b>26FCT-TDSS-B</b>	<b>26FCT-TDSS</b>	25.0	33.0	1,008
34	<b>34FCT-TDSS-B</b>	<b>34FCT-TDSS</b>	33.0	41.0	784
40	<b>40FCT-TDSS-B</b>	<b>40FCT-TDSS</b>	39.0	47.0	672
60	<b>60FCT-TDSS-B</b>	<b>60FCT-TDSS</b>	59.0	67.0	448

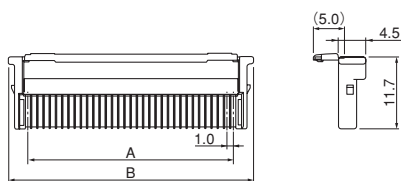
### Material and Finish

Contact: Copper alloy, copper-undercoated, tin-plated (reflow treatment)  
Wafer: Glass-filled PBT, UL94V-0, natural (white)

**RoHS compliance** This product displays (LF)(SN) on a label.

## Cable holder

<26, 34, 40, 60 circuits>



Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
26	<b>FCTH-26V-K</b>	25.0	31.3	5,000
34	<b>FCTH-34V-K</b>	33.0	39.3	4,000
40	<b>FCTH-40V-K</b>	39.0	45.3	3,000
60	<b>FCTH-60V-K</b>	59.0	65.3	2,000

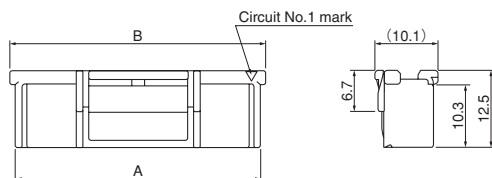
### Material

PA 66, UL94V-0, black

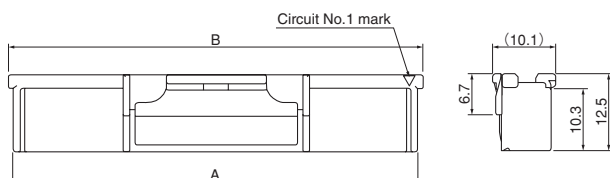
**RoHS compliance**

## Plug for mating connector

<26, 34, 40 circuits>



<60 circuits>



Circuits	Model No.	Dimensions (mm)		Q'ty / box
		A	B	
26	<b>FCTP-26V-S</b>	31.3	33.0	2,000
34	<b>FCTP-34V-S</b>	39.3	41.0	2,000
40	<b>FCTP-40V-S</b>	45.3	47.0	2,000
60	<b>FCTP-60V-S</b>	65.3	67.0	1,200

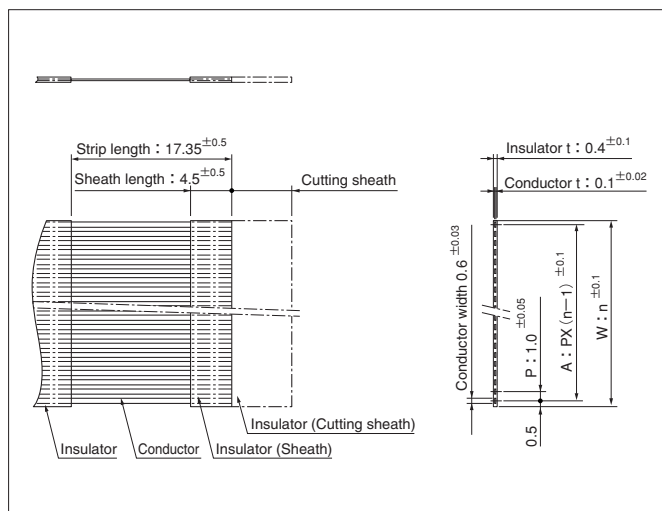
### Material

PA 66, UL94V-0, natural (white)

**RoHS compliance**

# FCT CONNECTOR

## Dimensions of recommended applicable flat cable



Circuits(n)	A	W
26	25.0	26.0
34	33.0	34.0
40	39.0	40.0
60	59.0	60.0

Note: Confirm the applicability of the connector with the flat cable used, before use.  
Contact JST for applicable flat cable.

## Harness assembly jig

Jig name	Model No.
Jig for flat cable	Cable bending jig
	Conductor forced-bending jig
Plug inserting jig	H-IT-FCT60