

FFC / FPC connector

Y5B

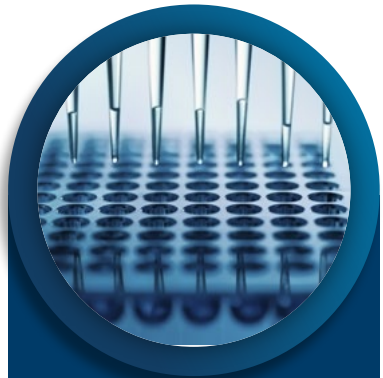
Y5B series are low profile, space saving and back-lock types with terminal pitch of 0.5mm, height of 1.0mm and width of 3.2mm. These connectors are designed for board to FPC and board to FFC connections of e.g. mobile or IOT devices. To fit perfectly in small housings, the size and thickness of the molded part has been further reduced.



Overview

- Low-profile and space saving
- Back lock, improving lever workability & secure connection
- Time and effort reduction by delivering the connectors with opened levers
- Mechanical design freedom achieved by top and bottom double contacts.
- Wide selection, starting from a small number of only 4 pins. Wiring patterns can be placed underneath the connector
- Supports high speed transmission standard V-by-One® HS. of THine Electronics, Inc.

Y5B connects boards and FFC/FPC



Portable devices

- Smart payment terminal
- Handheld devices
- Medical dosing



Industrial devices

- Touch panels
- LCD backlights
- Water flow meters
- Security and FA cameras



Smart Home

- Smart / AI speaker
- Smart meter
- Operation panels
- Smart access control

Key Features

- 0.5mm pitch, double sided contact
- 4 to 50 pins available
- Effective contact length 1.0mm
- Suitable FPC 0.30±0.03mm
- 0.5A / pin contact
- Rated voltage 50V AC/DC



V-by-One HS is a digital signaling standard developed by THine Electronics, Inc. in 2007 for highdefinitionTV. It can run a high speed up to 3.75 Gbit/s over standard twisted-pair copper cables and is used typically in markets such as automotive infotainment, industrial cameras and machine vision and robotics