



## 59453 (SFVL) series 0.5mm FLEX

### Description

The 59453 (SFVL) series is Surface Mount ZIF 0.5mm pitch low profile connector that terminate Flexible Printed Circuit (FPC) and Flexible Flat Cable (FFC). This is designed for the use in board-to-board connection that requires compact, miniature and low profile applications. The advantage of hook locking mechanism in actuator is to improve the retention force and mating alignment in cable insertion. The rotation actuator designed on the back allows easy handling of cable insertion and extraction.

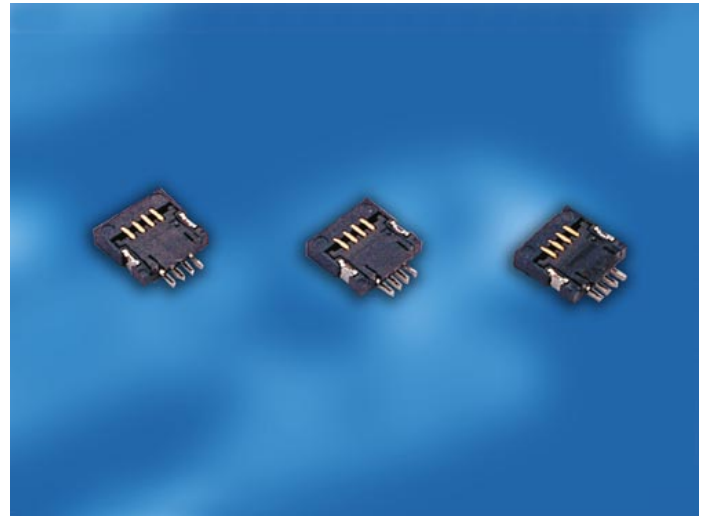
The 59453 (SFVL) series will be available in 4, 5 and 6 positions.

### Features & Benefits

- Low profile design: 0.9mm height
- Easy handling for cable insertion and extraction
- Design served as a prevention against missed mating
- High cable retention force system

### Target Markets

- Consumer
- Peripherals
- Data and storage device



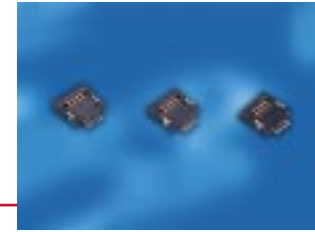
### Target Applications

- LCD module (back light and touch panel)
- Portable audio / video equipment
- PDA, mobile phone and smart phone
- DSC and DVC

### Technical Data

#### Materials

- Housing / Actuator
  - Glass reinforced high-temperature thermoplastic (UL 94 V-0)
- Color
  - Housing : Black
  - Actuator : Black
- Contact
  - Copper Alloy
- Contact Plating
  - Au / solder (lead free)



### Mechanical Performance

- Durability (Actuator operation)
  - 10 cycle maximum
- Temperature range
  - -40°C ~ +85°C
 (Including terminal temperature rises)

### Electrical Performance

- Insulation resistance
  - 100MOhms minimum
- Withstanding voltage
  - AC 200V
- Current rating
  - AC 0.4A DC 0.4A
- Contact resistance
  - 50mOhms maximum

### Specifications

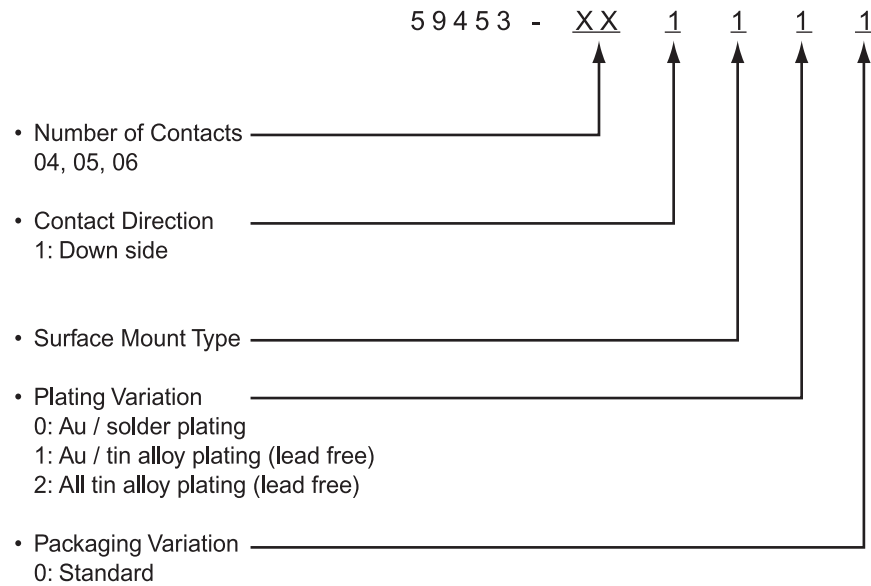
- Product Specification: 110-479 / 110-505
- Base Part Number: 59453

### Packaging

- Embossed tape packaging (5,000pcs / reel)

### Ordering Information

- Part Number



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