

# 0.4 mm Pitch Back-Lock FPC Connector

## FF19CE Series 【CE-ATA 8Bit Standard】

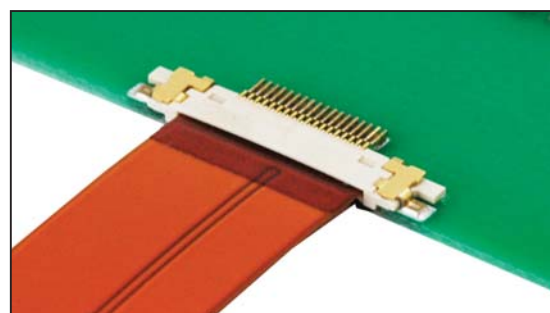
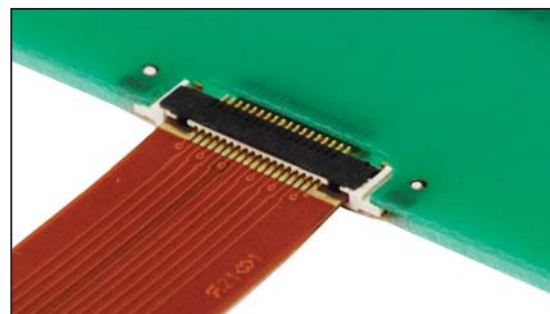


### OUTLINE

- FF19CE series is a FPC connector which is 0.4mm pitch, 1.25mm height and 4.21mm depth.
- It is interface connector for smaller than 1.8" HDD.

### FEATURE

- Conforming to CE-ATA 8bit standard (HDD side)
- Front-access back lock design is short depth and suitable to compact device.
- Cable lock mechanism retains FPC.
- Mid-mounting design which is mounted across the PCB enables to operate the lock lever from reverse side.
- Connectors deliver with the lock lever opened. Time saving for FPC inserting operation.
- Both upper and lower contacts design accepts any FPC inserting directions.
- Back lock mechanism enables to retain FPC against pulling upward direction.
- The lock lever does not fall down to the opposite side.
- Board lock pins prevent the mounting gap.
- Nickel barrier prevents solder wicking.



### SPECIFICATIONS

|                                 |                            |
|---------------------------------|----------------------------|
| Rated Voltage                   | 50V AC(r.m.s.)             |
| Rated Current                   | 0.5A / Contact             |
| Dielectric Withstanding Voltage | 200V AC(r.m.s.) / 1 minute |
| Insulation Resistance           | 100 MΩ min. at 500V DC     |
| Contact Resistance              | 50m Ω max.                 |

### APPLICATIONS

Portable HDD

### MATERIAL/FINISH



| Item       | Material / Finish                       |
|------------|-----------------------------------------|
| Contact    | Copper Alloy /Au(Flash) over Ni Plating |
| Housing    | LCP Resin (UL94V-0) / Ivory             |
| Lock Lever | PPS Resin (UL94V-0) / Black             |

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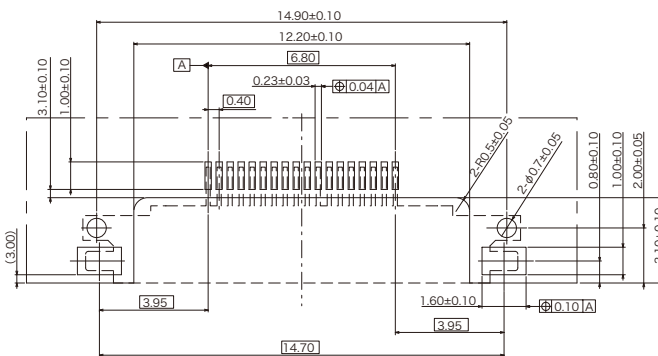
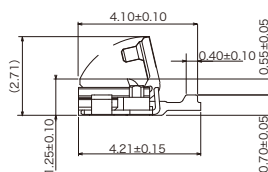
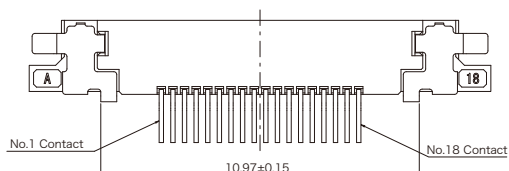
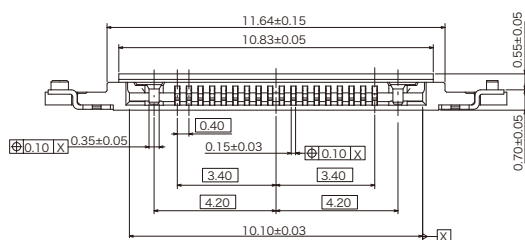
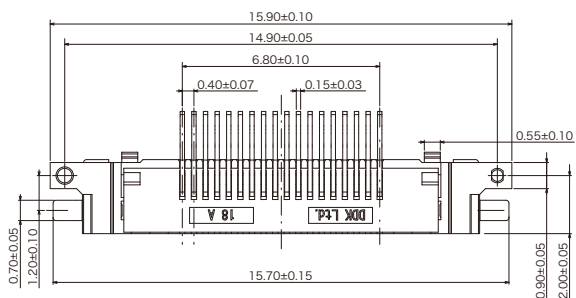
Your catalogue checking the latest specifications with our drawings would be highly appreciated.

▶ CE-ATA 8Bit Standard

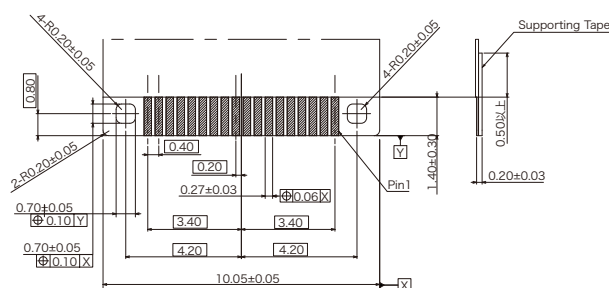
Part Number **FF19CE-18B-R11BP**

①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦                      ⑧

|                     |                               |
|---------------------|-------------------------------|
| ① Series            | FF19CE                        |
| ② Number of Contact | 18 : 18 Contacts              |
| ③ Contact Position  | B : Upper and Lower Contact   |
| ④ Contact Style     | R : Right Angle               |
| ⑤ Mounting Type     | 1 : Mid Mount Type            |
| ⑥ Contact Plating   | 1 : Au(Flash) over Ni Plating |
| ⑦ Lock Lever Type   | B : with Cable Lock           |
| ⑧ Board Lock        | P : with Board Lock           |



## Recommended PCB Dimensions



### Recommended FPC Dimensions

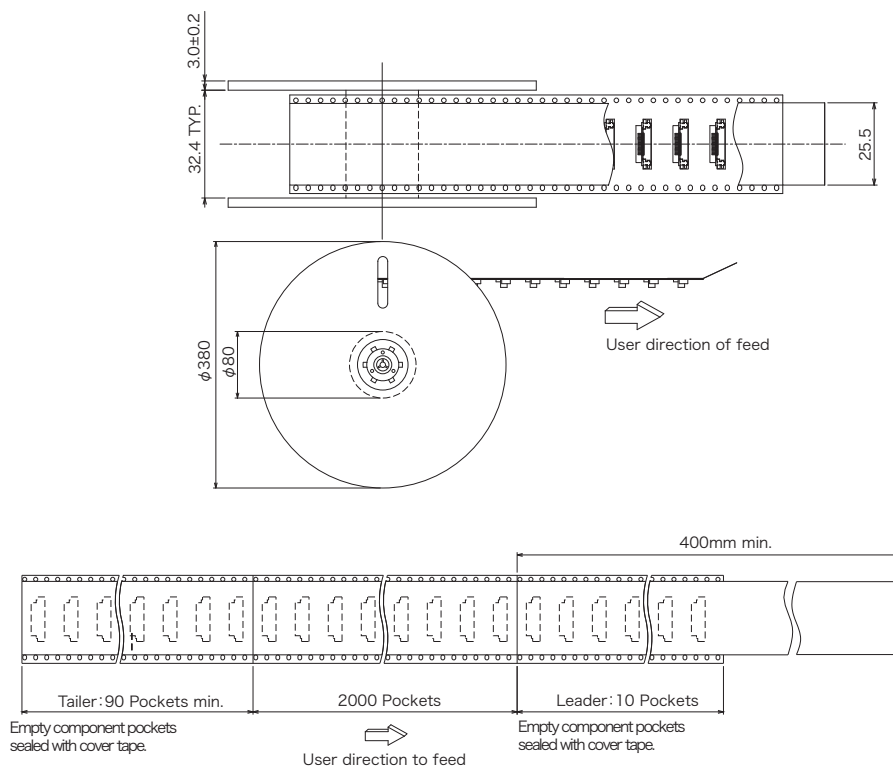
- Recommended FPC Plating :Au over Ni Plating
- Recommended Adhesive :Heat Curing Adhesive

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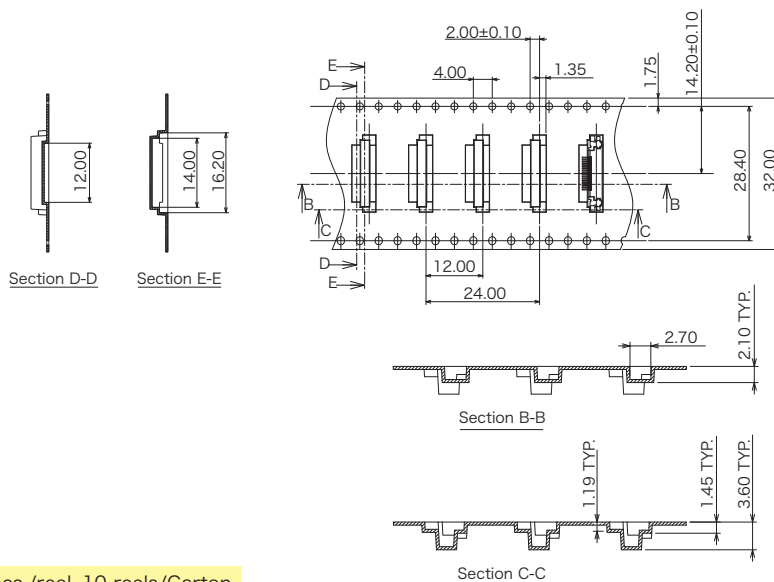
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# Package Specifications

## Reel Dimensions



## Emboss Tape Dimensions



■ Quantity : 2000pcs./reel, 10 reels/Carton