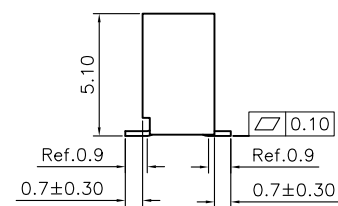
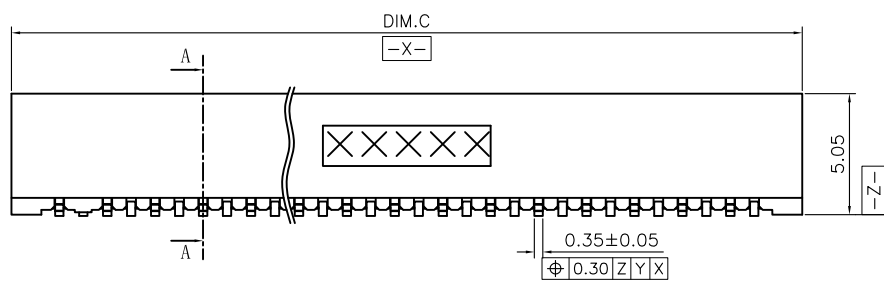
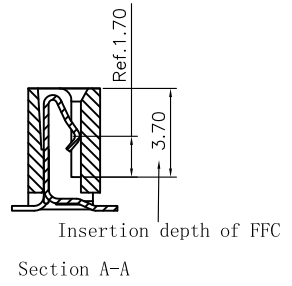
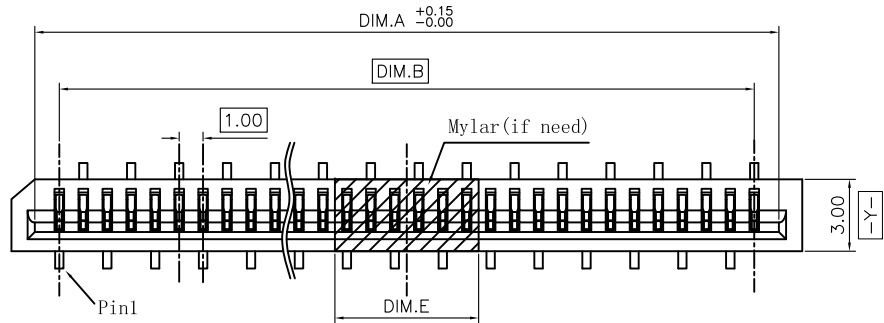
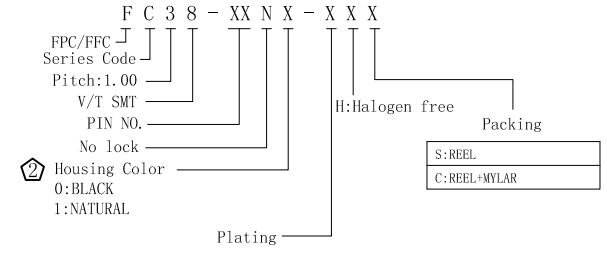


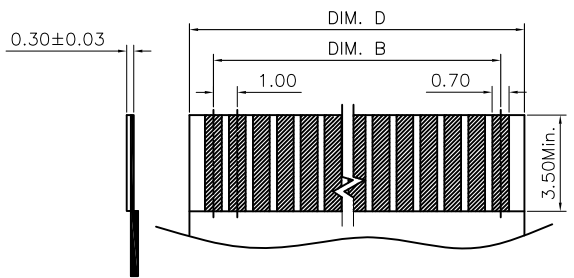
| REV. | ECN Number | Description                  | Drawn           |
|------|------------|------------------------------|-----------------|
| 1    | CS18010102 | RELEASE                      | XPG_2018.01.30  |
| ⑤    | E19100023  | Modify product number matrix | Peak_2019.10.25 |



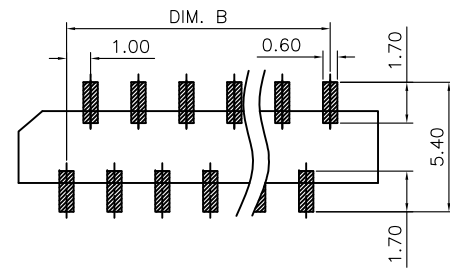
- Notes: (Unless otherwise specified)
- Dimension shall be interpreted per ANSI Y14.5M-1994.
  - Material:
    - Housing: High temperature plastic, UL94V-0
    - Contact: Copper alloy T=0.20mm.
  - Electrical specification:
    - Contact resistance: 30m ohm max. (initial) and 50m ohm Max. (after durability)
    - Insulation resistance: 100M ohm min..
    - Dielectric withstanding voltage: AC500V.
    - Current rating: 1.0A
    - Operating temperature: -25°C ~ +85°C
  - Mechanical specification:
    - FFC inserion force: 150gf max. per pin.
    - FFC withdraw force: 30gf min. per pin.
    - Durability: 20 cycles.
  - Product number matrix:



| Definition             | Code            |        |                            |        |        |
|------------------------|-----------------|--------|----------------------------|--------|--------|
| ☉ Matte Tin plated     | A               |        |                            |        |        |
| ☉ Bright Tin plated    | V               |        |                            |        |        |
| ☉ Gold plated over all | ☉ Duplex plated |        |                            |        |        |
| flash B                | 1u" R           | 3u" C  | 5u" M                      | 10u" N | 15u" P |
| 5u" D                  | 10u" E          | 15u" F | 20u" Q                     | 25u" T | 30u" U |
| 20u" G                 | 25u" H          | 30u" J | ☉ All plated is lead free. |        |        |



RECOMMENDED FFC LAYOUT  
TOLERANCE ± 0.05



RECOMMENDED PCB LAYOUT  
TOLERANCE ± 0.05

| PIN NO. | DIM.A | DIM.B | DIM.C | DIM.D | DIM.E | PIN NO. | DIM.A | DIM.B | DIM.C | DIM.D | DIM.E |
|---------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|
| 16      | 17.05 | 15.00 | 19.00 | 17.00 | 6.00  | 30      | 31.05 | 29.00 | 33.00 | 31.00 | 6.00  |
| 15      | 16.05 | 14.00 | 18.00 | 16.00 | 6.00  | 29      | 30.05 | 28.00 | 32.00 | 30.00 | 6.00  |
| 14      | 15.05 | 13.00 | 17.00 | 15.00 | 6.00  | 28      | 29.05 | 27.00 | 31.00 | 29.00 | 6.00  |
| 13      | 14.05 | 12.00 | 16.00 | 14.00 | 6.00  | 27      | 28.05 | 26.00 | 30.00 | 28.00 | 6.00  |
| 12      | 13.05 | 11.00 | 15.00 | 13.00 | 6.00  | 26      | 27.05 | 25.00 | 29.00 | 27.00 | 6.00  |
| 11      | 12.05 | 10.00 | 14.00 | 12.00 | 6.00  | 25      | 26.05 | 24.00 | 28.00 | 26.00 | 6.00  |
| 10      | 11.05 | 9.00  | 13.00 | 11.00 | 6.00  | 24      | 25.05 | 23.00 | 27.00 | 25.00 | 6.00  |
| 9       | 10.05 | 8.00  | 12.00 | 10.00 | 6.00  | 23      | 24.05 | 22.00 | 26.00 | 24.00 | 6.00  |
| 8       | 9.05  | 7.00  | 11.00 | 9.00  | 6.00  | 22      | 23.05 | 21.00 | 25.00 | 23.00 | 6.00  |
| 7       | 8.05  | 6.00  | 10.00 | 8.00  | 6.00  | 21      | 22.05 | 20.00 | 24.00 | 22.00 | 6.00  |
| 6       | 7.05  | 5.00  | 9.00  | 7.00  | 6.00  | 20      | 21.05 | 19.00 | 23.00 | 21.00 | 6.00  |
| 5       | 6.05  | 4.00  | 8.00  | 6.00  | 6.00  | 19      | 20.05 | 18.00 | 22.00 | 20.00 | 6.00  |
| 4       | 5.05  | 3.00  | 7.00  | 5.00  | 4.00  | 18      | 19.05 | 17.00 | 21.00 | 19.00 | 6.00  |
|         |       |       |       |       |       | 17      | 18.05 | 16.00 | 20.00 | 18.00 | 6.00  |

| PART NO. CONTRAST |               |
|-------------------|---------------|
| OLD PART NO.      | NEW PART NO.  |
| FL38-XXXX-02      | FC38-XXN0-XXX |



| TOLERANCE UNLESS OTHERWISE SPECIFIED |       |       |     |
|--------------------------------------|-------|-------|-----|
| X.X                                  | ±0.30 | X.°   | ±3° |
| X.XX                                 | ±0.20 | X.X°  | ±2° |
| X.XXX                                |       | X.XX° | ±1° |

|       |     |
|-------|-----|
| SCALE | 1:1 |
| UNIT  | mm  |
| SIZE  | A4  |

ORIGINAL DRAWN: Peak  
 CHECK: Xu peiguang  
 APPROVE: Ady zhou

DATE: 2019.10.25  
 DATE: 2019.10.25  
 DATE: 2019.10.25

DWG. NO. 600-0000-0348  
 PARTS NO. (INTENDED USE) FC38-XXN0-XXH

TITLE FC38 CUSTOMER DRAWING

REV. 2  
 SHEET 1/1

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