



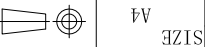
Shenzhen Shenhai Weikang Electronics Co., Ltd.

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

TOLERANCE UNLESS OTHERWISE SPECIFIED

|       |       |       |     |
|-------|-------|-------|-----|
| X.X   | ±0.30 | X.°   | ±3° |
| X.XX  | ±0.20 | X.X°  | ±2° |
| X.XXX | ±0.10 | X.XX° | ±1° |

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



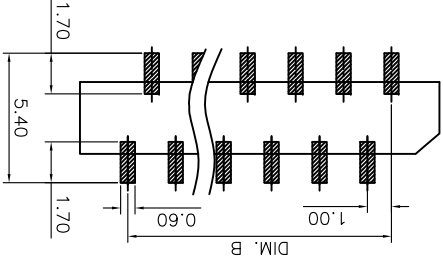
|      |            |                 |             |
|------|------------|-----------------|-------------|
| DATE | 2019.10.25 | ORIGINAL DRAWN: | Peak        |
| DATE | 2019.10.25 | CHECK:          | Xu peiguang |
| DATE | 2019.10.25 | APPROVE:        | Ady zhou    |

|                          |                       |
|--------------------------|-----------------------|
| DWG. NO.                 | 600-0000-0348         |
| PARTS NO. (INTENDED USE) | FC38-XXN0-XXH         |
| TITLE                    | FC38 CUSTOMER DRAWING |

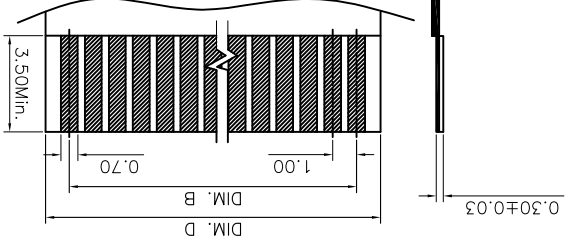
|       |     |
|-------|-----|
| REV.  | 2   |
| SHEET | 1/1 |

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

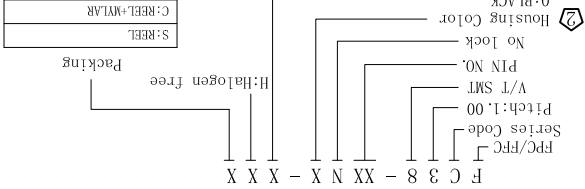
TOLERANCE ±0.05  
RECOMMENDED PCB LAYOUT



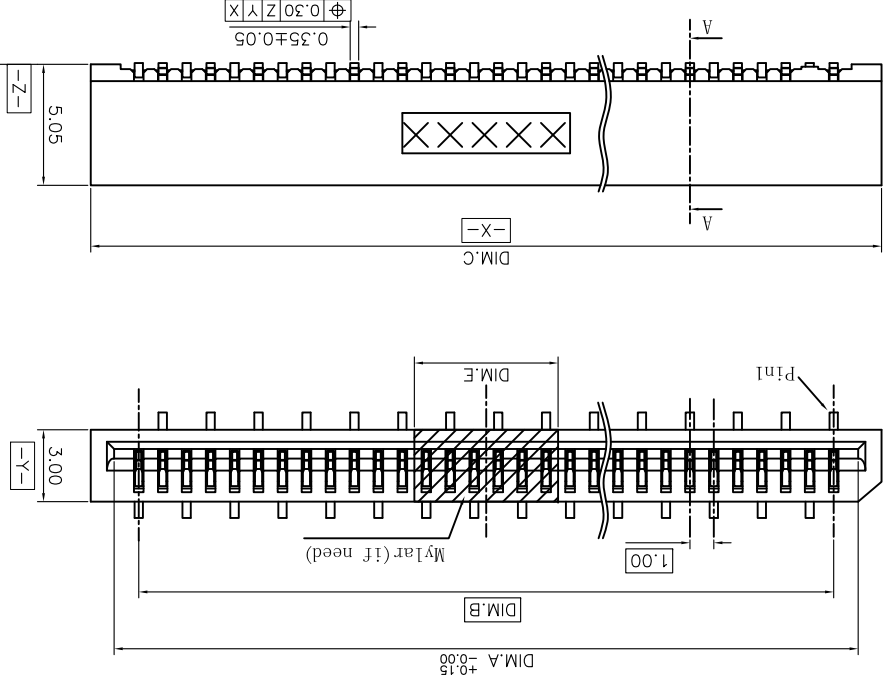
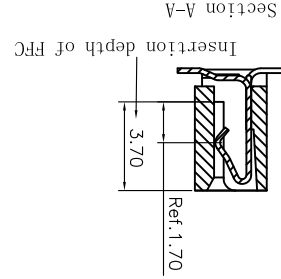
TOLERANCE ±0.05  
RECOMMENDED FFC LAYOUT



| Definition  | Code |
|---|------|
| Matte Tin plated  | A    |
| Bright Tin plated   | V    |
| Duplex plated   |      |
| Gold plated over all  |      |
| 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.  |      |



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



| REV. | ECN Number | Description                  |
|------|------------|------------------------------|
| I    | CS18010102 | RELEASE                      |
|      | E19100023  | Modify product number matrix |

|       |                |
|-------|----------------|
| Drawn | XPG_2018.01.30 |
| Peak  | 2019.10.25     |

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