



P. C. B LAYOUT

Technical Data

Material:

Pin(outer sleeve):Brass,machined CuZn38Pb2

Plating(outer sleeve):

Tin Plated:2µm/80µmNi, 5µm/200µmSn

Gold Plated:2µm/80µmNi, 0.8µm gold

Plating(Contact):2µm/80µmNi, gold or Tin plated

Insuiator:PPS UL94V-0

ClIp(Contact 4 Flnger):Beryllium copper,heat teated

Electrical:

Current rating:3Amps/contact max.

Contact resistance:≤4mΩ/contact

Insuiation resistance:≥1000MΩ at V=100V

Dleiectrlc Withstanding Voltage:1000V AV Min

Operaling voltage:60VAC/DC

Mechanical:

Average Insertlon force with steel pin of Ø0.66mm/0.38":<250g

Average withdrawal force with steel pin of Ø0.66mm/0.38":<70g

Mechanlcal lge cycle:min 200

Operaling temperature:-40°C to+105°C

Soldering temperature:+255°C

|     |              |      |      |                            |       |       |        |   |                               |       |            |
|-----|--------------|------|------|----------------------------|-------|-------|--------|---|-------------------------------|-------|------------|
|     |              |      |      | TOLERANCE UNLESS OTHERWISE |       | DRAWN | CK tan | <b>XFCN</b> 兴飞连接器有限公司<br>XFCN CONNECTORS CO.,LTD. | SHEET                         | 1/1   |            |
|     |              |      |      | X.                         | ±0.30 | X°    | ±5°    |   | CHKD                          | DATE  | 2020.04.12 |
|     |              |      |      | .X                         | ±0.20 | .X°   | ±2°    |   | APPD                          | UNITS | mm         |
|     |              |      |      | .XX                        | ±0.08 | .XX°  | ±1°    |   | VIEW                          | SCALE | 1:1        |
| AO  | MODIFICATION | DRAW | DATE | .XXX                       | ±0.03 | .XXX° | ±0.5°  | PRODUCT NAME                                      | 2.54mm Machined Female Header |       |            |
| VER |              |      |      |                            |       |       |        | PART. NO.   | MF254V-12-xx-0743             |       |            |
| 1   | 2            | 3    | 4    | 5                          | 6     | 7     | 8      | 9   | DWG NO.                       | 009   |            |
| 1   | 2            | 3    | 4    | 5                          | 6     | 7     | 8      | 9   | 10                            |       |            |