



P. C. B LAYOUT

Technical Data

Material:

Pin(outer sleeve): Brass, machined CuZn38Pb2

Plating(outer sleeve):

Tin Plated:  $2\mu\text{m}/80\mu\text{Ni}$ ,  $5\mu\text{m}/200\mu\text{Sn}$

Gold Plated:  $2\mu\text{m}/80\mu\text{Ni}$ ,  $0.8\mu\text{ gold}$

Plating(Contact):  $2\mu\text{m}/80\mu\text{Ni}$ , gold or Tin plated

Insulator: PPS UL94V-0

Clip(Contact 6 Finger): Beryllium copper, heat treated

Mating pin  $\phi$ : 0.40mm/0.66mm

Electrical:

Current rating: 3Amps/contact max.

Contact resistance:  $\leq 4\text{m}\Omega$ /contact

Insulation resistance:  $\geq 1000\text{M}\Omega$  at  $V=100\text{V}$

Dielectric Withstanding Voltage: 1000V AV Min

Operating voltage: 60VAC/DC

Mechanical:

-Insertion: 0.7N typ

-Withdrawal: 0.4N typ

Mechanical life: min 500 cycle

Operating temperature:  $-40^\circ\text{C}$  to  $+105^\circ\text{C}$

Soldering temperature:  $+255^\circ\text{C}$

Critical Dimensions: \*

|    |              |   |   |                            |            |       |               |   |                 |         |            |
|----|--------------|---|---|----------------------------|------------|-------|---------------|---|-----------------|---------|------------|
|    |              |   |   | 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.                         | $\pm 0.30$ | X°    | $\pm 5^\circ$ |   | CHKD            | DATE    | 2020.04.12 |
|    |              |   |   | .X                         | $\pm 0.20$ | .X°   | $\pm 2^\circ$ |   | APPD            | UNITS   | mm         |
|    |              |   |   | .XX                        | $\pm 0.08$ | .XX°  | $\pm 1^\circ$ |   | VIEW            | SCALE   | 1:1        |
| AO | MODIFICATION |   |   | DRAW                       | DATE       | .XXX  | $\pm 0.03$    | .XXX°   | $\pm 0.5^\circ$ | DWG NO. | 009        |
| 1  | 2            | 3 | 4 | 5                          | 6          | 7     | 8             | 9   | 10              |         |            |

**XFCN** 兴飞连接器有限公司  
XFCN CONNECTORS CO.,LTD.

PRODUCT NAME 2.00mm Machined Female Header

PART. NO. MF200V-12-xx-0590