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RoHS

REV A1 ECN NO. NEW DESCRIPTION 更换图框 DESIGN APPROVAL DATE 2023.11.25

SPECIFICATIONS
1. Current rating: 0.5A AC, DC
2.Voltage rating: 50V AC, DC
3. Temperature range: -25°C ~ +85°C
4. Insulation resistance: 500MΩ Min.
5. Withstanding voltage: 500V AC/ minute.
6. Contact resistance: 30mΩ Max.

Material:
Insulator: LCP UL 94V-0
Contact: Phosphor Bronze or Brass
Solder Tab: Brass
Plating: Matte Tin or gold plated over Nickel
Circuits: 02~20P
Mate with:XFCN P1010L series Housing

Ordering Code:
M1010RSF-XX
1.序列号
2.Pin位数 02-20P

No.of PIN/ROW	Dimension		
	A	B	C
02	1.00	4.50	2.60
03	2.00	5.50	3.60
04	3.00	6.50	4.60
05	4.00	7.50	5.60
06	5.00	8.50	6.60
07	6.00	9.50	7.60
08	7.00	10.50	8.60
09	8.00	11.50	9.60
10	9.00	12.50	10.60
11	10.00	13.50	11.60
12	11.00	14.50	12.60
13	12.00	15.50	13.60
14	13.00	16.50	14.60
15	14.00	17.50	15.60
16	15.00	18.50	16.60
17	16.00	19.50	17.60
18	17.00	20.50	18.60
19	18.00	21.50	19.60
20	19.00	22.50	20.60

SECTION A-A

Recommended P.C.B Layout
General Tolerance±0.05

X.±0.50	X°.±	PART NO:		
.X±0.25	.X°±	TITLE:		
.XX±0.15	.XX°±	1.00mm Crimp Style Connectors		
.XXX±0.10	.XXX°±	DWG NO:		
UNITS:	mm	APPD	Chen ZhiQiang	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XFCN AND SHALL NOT BE REPRODUCED, COPIED OR CUED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF XFCN		CHKD	Liu Wei	
		DRAW	Chen HongJiang	
		DATE	2024.07.24	
		VIEW	⊕	
		SCALE	SHEET	REV
		NONE	1/1	A1

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RoHS

The drawing includes three main views:

- Top View:** Shows overall dimensions C±0.20, B±0.25, A±0.15, and pin pitch 1.00.
- Side View:** Shows height dimensions 2.15±0.15, 3.05±0.15, 4.28±0.20, and 5.10±0.20.
- Cross-section SECTION A-A:** Shows internal profile with dimensions 1.94±0.15, 0.45±0.10, 3.05±0.15, 2.15±0.15, 1.75±0.15, and a fillet radius R0.10.

SPECIFICATIONS

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- Voltage rating: 50V AC, DC
- Temperature range: -25°C ~ +85°C
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- Withstanding voltage: 500V AC/ minute.
- Contact resistance: 30mΩ Max.

Material:

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- Contact: Phosphor Bronze or Brass
- Solder Tab: Brass
- Plating: Matte Tin or gold plated over Nickel
- Circuits: 02~20P
- Mate with:XFCN P1010L series Housing

Ordering Code:

M1010RSF-XX

No.of PIN/ROW	Dimension		
	A	B	C
02	1.00	4.50	2.60
03	2.00	5.50	3.60
04	3.00	6.50	4.60
05	4.00	7.50	5.60
06	5.00	8.50	6.60
07	6.00	9.50	7.60
08	7.00	10.50	8.60
09	8.00	11.50	9.60
10	9.00	12.50	10.60
11	10.00	13.50	11.60
12	11.00	14.50	12.60
13	12.00	15.50	13.60
14	13.00	16.50	14.60
15	14.00	17.50	15.60
16	15.00	18.50	16.60
17	16.00	19.50	17.60
18	17.00	20.50	18.60
19	18.00	21.50	19.60
20	19.00	22.50	20.60

Recommended P.C.B Layout

General Tolerance±0.05

REVISIONS

REV	ECN NO.	DESCRIPTION	DESIGN	APPROVAL	DATE
A1	NEW	更换图框			2023.11.25

PART NO: M1010RSF-XX

TITLE: 1.00mm Crimp Style Connectors

DWG NO: /

APPD: Chen ZhiQiang

CHKD: Liu Wei

DRAW: Chen HongJiang

DATE: 2024.07.24

VIEW: [Symbol]

SCALE:

SHEET: 1/1

REV: A1

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RoHS

The technical drawing includes four main views:

- Top View:** Shows overall dimensions C±0.20, B±0.25, and pin pitch A±0.15. Pin width is 1.00mm.
- Side View:** Shows height dimensions 2.15±0.15, 3.05±0.15, 0.30±0.10, 4.28±0.20, and 5.10±0.20.
- Cross Section A-A:** Detailed view of the crimp mechanism with dimensions like 1.94±0.15, 3.05±0.15, 2.15±0.15, 1.75±0.15, 0.45±0.10, and a fillet radius R0.10.
- Recommended P.C.B Layout:** Shows solder pad dimensions such as 1.00±0.05, 0.75±0.05, 0.20, 0.80±0.1, 1.50±0.1, 2.00±0.1, 5.45±0.1, and 0.50±0.05.

REV	ECN NO.	DESRIPTION	DESIGN	APPROVAL	DATE
A1	NEW	更换图框			2023.11.25

SPECIFICATIONS
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6. Contact resistance: 30mΩ Max.

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Contact: Phosphor Bronze or Brass
Solder Tab: Brass
Plating: Matte Tin or gold plated over Nickel
Circuits: 02~20P
Mate with:XFCN P1010L series Housing

Ordering Code:
M1010RSF-XX
1 2
1.序列号
2.Pin位数 02-20P

No.of PIN/ROW	Dimension		
	A	B	C
02	1.00	4.50	2.60
03	2.00	5.50	3.60
04	3.00	6.50	4.60
05	4.00	7.50	5.60
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10	9.00	12.50	10.60
11	10.00	13.50	11.60
12	11.00	14.50	12.60
13	12.00	15.50	13.60
14	13.00	16.50	14.60
15	14.00	17.50	15.60
16	15.00	18.50	16.60
17	16.00	19.50	17.60
18	17.00	20.50	18.60
19	18.00	21.50	19.60
20	19.00	22.50	20.60

X.±0.50	X°.±	PART NO:		
.X±0.25	.X°±	M1010RSF-XX		
.XX±0.15	.XX°±	TITLE:	1.00mm Crimp Style Connectors	
.XXX±0.10	.XXX°±			
UNITS:	mm	DWG NO:		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XFCN AND SHALL NOT BE REPRODUCED,COPIED OR CUED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF XFCN		APPD	Chen ZhiQiang	
		CHKD	Liu Wei	
		DRAW	Chen HongJiang	
		DATE	2024.07.24	
		VIEW		SCALE
		NONE	1/1	A1

General Tolerance±0.05

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RoHS

C±0.20
3.05±0.15
2.15±0.15
0.30±0.10
B±0.25
A
4.28±0.20
5.10±0.20
1.00
0.20
A±0.15

A±0.1
1.00±0.05
0.50±0.05
0.20
1.50±0.1
5.45±0.1
2.00±0.1
0.75±0.05
0.80±0.1

Recommended P.C.B Layout
General Tolerance±0.05

SPECIFICATIONS

1. Current rating: 0.5A AC, DC

2.Voltage rating: 50V AC, DC

3. Temperature range: -25°C ~ +85°C

4. Insulation resistance: 500MΩ Min.

5. Withstanding voltage: 500V AC/ minute.

6. Contact resistance: 30mΩ Max.

Material:

Insulator: LCP UL 94V-0

Contact: Phosphor Bronze or Brass

Solder Tab: Brass

Plating: Matte Tin or gold plated over Nickel

Circuits: 02~20P

Mate with:XFCN P1010L series Housing

Ordering Code:

M1010RSF-XX

1序列号

2.Pin位数 02-20P

No.of PIN/ROW	Dimension		
	A	B	C
02	1.00	4.50	2.60
03	2.00	5.50	3.60
04	3.00	6.50	4.60
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10	9.00	12.50	10.60
11	10.00	13.50	11.60
12	11.00	14.50	12.60
13	12.00	15.50	13.60
14	13.00	16.50	14.60
15	14.00	17.50	15.60
16	15.00	18.50	16.60
17	16.00	19.50	17.60
18	17.00	20.50	18.60
19	18.00	21.50	19.60
20	19.00	22.50	20.60

SECTION A-A

1.94±0.15
3.05±0.15
2.15±0.15
1.75±0.15
0.45±0.10

0.10

X.±0.50	X°.±	PART NO: M1010RSF-XX	XFCN兴飞连接器		
.X±0.25	.X°±	TITLE: 1.00mm Crimp Style Connectors	0769-82001899		
.XX±0.15	.XX°±	DWG NO: 	www.xfconn.com		
.XXX±0.10	.XXX°±				
UNITS:	mm	APPD Chen ZhiQiang	VIEW 	SCALE	SHEET REV
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XFCN AND SHALL NOT BE REPRODUCED,COPIED OR CUED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF XFCN		CHKD Liu Wei	DRAW Chen HongJiang	NONE	1/1
		DATE 2024.07.24			A1

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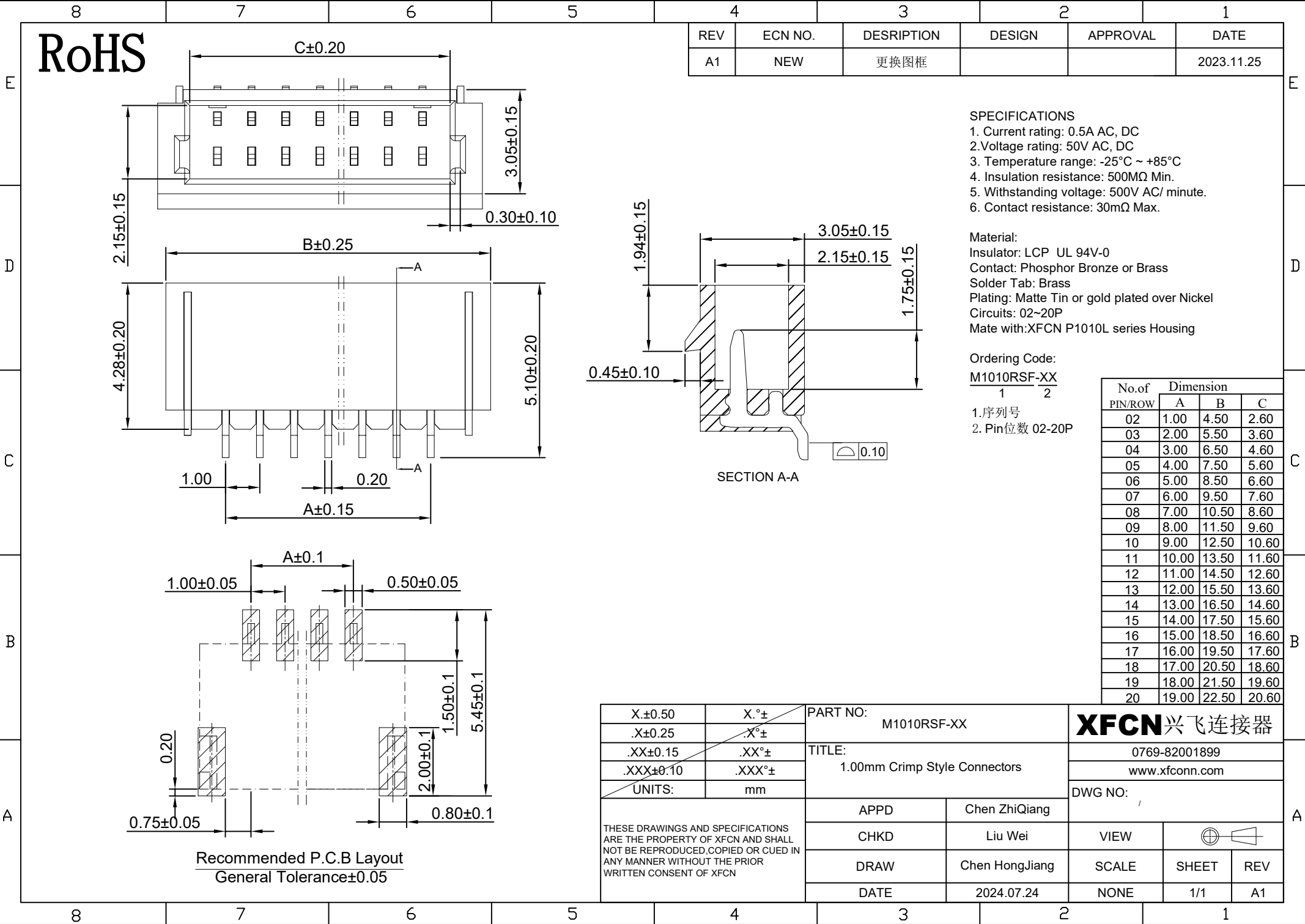
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