

U TYPE

| REV.  | DESCRIPTION  | DRAWN         | CHECKED | APPROVED      |
|-------|--------------|---------------|---------|---------------|
| A     | NEW RELEASE  | LJH 09/15/05' | ~       | LJC 09/15/05' |
| B,C,D | ADD DIM.     | LJH 04/04/06' | ~       | LJC 04/04/06' |
| F     | ADD DIM.     | LJH 04/15/06' | ~       | LJC 04/04/06' |
| G     | 整理图面         | YCH 03/15/07' | ~       | LJC 03/15/07' |
| K     | 整理图面         | YCH 08/12/09' | ~       | LJC 08/12/09' |
| L     | ADD P/N CODE | LJC 12/08/13' |         |               |

NOTES:

1. MATERIALS

- 1.1 CONTACT MATERIAL: COPPER ALLOY.  
1.2 INSULATOR: PBT WITH GLASS FIBER.

2. SPECIFICATIONS

- 2.1 CURRENT RATING: 3A.  
2.2 OPERATING TEMPERATURE: -40°C TO +105°C.  
2.3 INSULATION RESISTANCE: 1000MΩ MIN.  
2.4 CONTACT RESISTANCE: 20mΩ MAX.  
2.5 DIELECTRIC WITHSTANDING: 600 VAC.

3. PRODUCT NUMBER CODE:

DS1022- X X U X X - X

PLATING LEVEL(FOR GOLD ONLY)①

3A: 0.8-1.2u" B: LEVEL B  
N: LEVEL N

Dim. A B C type

1: Type 1

2: Type 2

.....

CONTACT PLATING

F1: FULL GOLD FLASH

6: FULL TIN

BEND TYPE

U: U TYPE

MOUNTING TYPE

R: R/A

No.OF CONTACTS

1\*1 - 1\*40

TABLE A:

| TYPE | Dimension |       |      | Pin Length<br>(mm) |
|------|-----------|-------|------|--------------------|
|      | A         | B     | C    |                    |
| 1    | 3.00      | 6.00  | 6.07 | 15.50              |
| 2    | 4.00      | 6.90  | 3.40 | 14.70              |
| 3    | 6.00      | 11.40 | 5.64 | 23.40              |
| 4    | 3.75      | 3.40  | 3.40 | 11.00              |
| 5    | 2.80      | 4.00  | 3.40 | 10.60              |
| 6    | 5.85      | 7.90  | 3.40 | 17.50              |
| 7    | 3.60      | 3.20  | 3.40 | 10.60              |
| 8    | 6.30      | 3.20  | 4.36 | 14.20              |
| 9    | 3.00      | 6.00  | 5.42 | 15.00              |
| 10   | 3.64      | 5.76  | 6.48 | 16.30              |
| 11   | 3.00      | 6.00  | 5.00 | 14.40              |
| 12   | 3.10      | 3.40  | 3.40 | 10.50              |
| 13   | 6.00      | 4.90  | 3.40 | 14.70              |
| 14   | 6.30      | 3.00  | 3.40 | 13.10              |
| 15   | 6.20      | 3.70  | 3.60 | 14.00              |
| 16   | 3.00      | 6.30  | 4.20 | 14.00              |
| 17   | 2.30      | 5.11  | 5.30 | 13.10              |
| 18   | 6.20      | 3.80  | 3.40 | 13.80              |
| 19   | 4.70      | 4.70  | 4.20 | 14.00              |
| 20   | 4.00      | 6.93  | 5.50 | 16.85              |
| 21   | 2.50      | 5.40  | 4.50 | 12.80              |
| 22   | 5.10      | 3.50  | 4.00 | 13.10              |

|    |      |       |      |       |
|----|------|-------|------|-------|
| 23 | 3.00 | 4.40  | 4.00 | 11.85 |
| 24 | 3.00 | 4.75  | 4.00 | 12.15 |
| 25 | 4.70 | 4.80  | 3.70 | 13.70 |
| 26 | 3.00 | 12.50 | 5.00 | 20.95 |
| 27 | 5.80 | 4.30  | 3.34 | 13.85 |
| 28 | 2.50 | 5.20  | 4.30 | 12.40 |
| 29 | 3.00 | 6.20  | 6.45 | 16.10 |
| 30 | 3.00 | 6.00  | 4.30 | 13.80 |
| 31 | 7.50 | 7.80  | 4.00 | 19.80 |
| 32 | 3.00 | 7.00  | 6.07 | 15.50 |
| 33 | 3.00 | 6.00  | 6.57 | 16.00 |
| 34 | 6.00 | 4.40  | 3.68 | 14.50 |
| 35 | 3.07 | 5.92  | 6.50 | 15.90 |
| 36 | 3.30 | 3.15  | 5.10 | 12.00 |
| 37 | 3.00 | 6.50  | 4.50 | 14.40 |
| 38 | 3.00 | 6.50  | 5.07 | 15.00 |
| 39 | 6.00 | 2.40  | 4.20 | 13.00 |
| 40 | 6.10 | 3.20  | 4.36 | 14.10 |
| 41 | 4.20 | 4.20  | 4.20 | 13.00 |
| 42 | 2.60 | 11.00 | 8.20 | 22.20 |
| 43 | 3.00 | 6.00  | 4.00 | 13.40 |
| 44 | 5.72 | 5.10  | 4.26 | 15.50 |
| 45 | 3.00 | 3.00  | 4.00 | 10.50 |
| 46 | 3.00 | 5.80  | 6.50 | 15.80 |

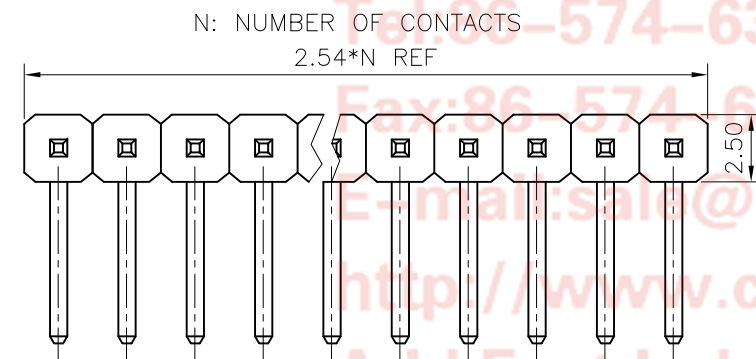
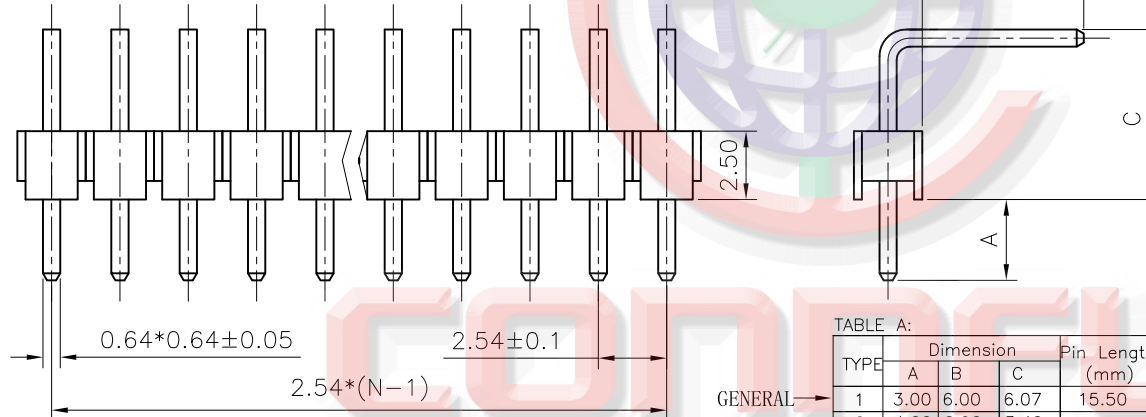
|    |      |      |      |       |
|----|------|------|------|-------|
| 47 | 3.30 | 5.80 | 4.36 | 14.00 |
| 48 | 3.50 | 6.32 | 5.50 | 15.70 |
| 49 | 4.00 | 7.90 | 3.30 | 15.70 |
| 50 | 3.50 | 2.20 | 4.30 | 10.50 |
| 51 | 3.00 | 3.00 | 4.30 | 10.80 |
| 52 | 3.00 | 5.20 | 3.80 | 12.50 |

A/B/C: CUSTOMER LENGTH AVAILABLE

| GENERAL TOLERANCE |                      | ANGLE TOLERANCE |        |
|-------------------|----------------------|-----------------|--------|
| X.                | ±0.60                | X.              | ±5°    |
| .X                | ±0.38                | .X              | ±3°    |
| .XX               | ±0.25                | .XX             | ±2°    |
| DRAWING TYPE      | CUSTOMER             |                 |        |
| SCALE             | 1:1                  | SHEET           | 1 OF 1 |
| DRAWING NO.       | C-DS1022-1*XXUXX-X-L |                 |        |

| PROJECTION | TITLE | 2.54mm PIN HEADER R/A TYPE<br>SINGLE ROW U TYPE |               |
|------------|-------|-------------------------------------------------|---------------|
| UNITS      | mm    |                                                 |               |
| SHEET SIZE | A4    | SERIES                                          | DS1022 SERIES |

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RECOMMEND P.C.BOARD LAYOUT

D TYPE

| REV. | DESCRIPTION  | DRAWN         | CHECKED | APPROVED      |
|------|--------------|---------------|---------|---------------|
| A    | NEW RELEASE  | LJH 04/06/06' | ~       | LJC 04/06/06' |
| B    | ADD DIM      | LL 08/05/06'  | ~       | LJC 04/06/06' |
| C    | 增加规格整理图面     | YCH 03/15/07' | ~       | LJC 03/15/07' |
| J    | 整理料号         | YCH 04/23/08' | ~       |               |
| K    | ADD P/N CODE | LJC 12/08/13' |         |               |

NOTES:

1. MATERIALS

- 1.1 CONTACT MATERIAL: COPPER ALLOY.  
1.2 INSULATOR: PBT WITH GLASS FIBER.

2. SPECIFICATIONS

- 2.1 CURRENT RATING: 3A.  
2.2 OPERATING TEMPERATURE: -40°C TO +105°C.  
2.3 INSULATION RESISTANCE: 100MΩ MIN.  
2.4 CONTACT RESISTANCE: 20mΩ MAX.  
2.5 DIELECTRIC WITHSTANDING: 600 VAC.

3. PRODUCT NUMBER CODE:

DS1022- X X U X X - X

PLATING LEVEL(FOR GOLD ONLY)①

3A: 0.8-1.2u" B: LEVEL B

N: LEVEL N

Dim. A B C type

1: Type 1

2: Type 2

3: Type 3

4: Type 4

5: Type 5

6: Type 6

7: Type 7

8: Type 8

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CONTACT PLATING

F1: FULL GOLD FLASH

6: FULL TIN

BEND TYPE

D: D TYPE

MOUNTING TYPE

R: R/A

No.OF CONTACTS

1\*1 - 1\*40

TABLE A:

| TYPE | Dimension |       |       | Pin Length<br>(mm) |
|------|-----------|-------|-------|--------------------|
|      | A         | B     | C     |                    |
| 1    | 6.00      | 3.00  | 10.36 | 13.80              |
| 2    | 6.00      | 4.50  | 9.50  | 14.40              |
| 3    | 6.10      | 4.00  | 10.40 | 14.80              |
| 4    | 6.00      | 3.20  | 10.50 | 14.10              |
| 5    | 6.00      | 3.50  | 10.82 | 14.70              |
| 6    | 4.70      | 1.73  | 8.20  | 10.40              |
| 7    | 15.00     | 3.00  | 19.08 | 22.50              |
| 8    | 6.00      | 3.10  | 11.10 | 14.40              |
| 9    | 1.00      | 1.91  | 5.00  | 7.40               |
| 10   | 6.20      | 3.20  | 11.10 | 14.70              |
| 11   | 6.20      | 3.20  | 10.8  | 14.40              |
| 12   | 4.50      | 2.93  | 8.00  | 11.40              |
| 13   | 6.30      | 2.60  | 10.36 | 13.40              |
| 14   | 5.70      | 2.95  | 9.52  | 12.90              |
| 15   | 4.80      | 3.00  | 8.10  | 11.50              |
| 16   | 6.00      | 3.00  | 9.14  | 12.60              |
| 17   | 7.20      | 3.00  | 10.36 | 13.80              |
| 18   | 3.00      | 6.00  | 7.50  | 13.80              |
| 19   | 3.00      | 6.00  | 9.32  | 15.80              |
| 20   | 3.50      | 3.00  | 7.86  | 11.30              |
| 21   | 5.00      | 2.70  | 8.14  | 11.30              |
| 22   | 8.20      | 2.80  | 12.30 | 15.50              |
| 23   | 3.00      | 3.00  | 7.36  | 10.80              |
| 24   | 6.50      | 3.00  | 10.36 | 13.80              |
| 25   | 6.80      | 8.40  | 10.64 | 19.50              |
| 26   | 10.00     | 3.20  | 14.40 | 18.00              |
| 27   | 3.50      | 2.50  | 7.82  | 10.80              |
| 28   | 6.00      | 3.00  | 9.50  | 12.90              |
| 29   | 7.00      | 3.10  | 13.90 | 17.50              |
| 30   | 4.00      | 3.00  | 8.36  | 11.80              |
| 31   | 3.00      | 5.40  | 8.65  | 14.50              |
| 32   | 4.50      | 4.50  | 8.82  | 17.80              |
| 33   | 3.20      | 6.00  | 7.50  | 14.00              |
| 34   | 3.80      | 6.00  | 8.30  | 14.80              |
| 35   | 3.00      | 3.40  | 8.00  | 11.80              |
| 36   | 3.80      | 3.00  | 7.93  | 11.20              |
| 37   | 16.4      | 13.00 | 19.60 | 33.00              |
| 38   | 6.85      | 3.00  | 10.90 | 14.30              |
| 39   |           |       |       |                    |
| 40   |           |       |       |                    |
| 41   |           |       |       |                    |
| 42   |           |       |       |                    |

A/B/C: CUSTOMER LENGTH AVAILABLE

|                   |       |                      |       |            |                                                                                       |                         |  |                                                 |  |
|-------------------|-------|----------------------|-------|------------|---------------------------------------------------------------------------------------|-------------------------|--|-------------------------------------------------|--|
| GENERAL TOLERANCE |       | ANGLE TOLERANCE      |       | PROJECTION |  | TITLE                   |  | 2.54mm PIN HEADER R/A TYPE<br>SINGLE ROW D TYPE |  |
| X.                | ±0.60 | X.                   | ±5°   | UNITS      | mm                                                                                    | SERIES<br>DS1022 SERIES |  |                                                 |  |
| .X                | ±0.38 | .X                   | ±3°   | SHEET SIZE | A4                                                                                    |                         |  |                                                 |  |
| .XX               | ±0.25 | .XX                  | ±2°   |            |                                                                                       |                         |  |                                                 |  |
| DRAWING TYPE      |       | CUSTOMER             |       |            |                                                                                       |                         |  |                                                 |  |
| SCALE             |       | 1:1                  | SHEET | 1 OF 1     |                                                                                       |                         |  |                                                 |  |
| DRAWING NO.       |       | C-DS1022-1*XXDXX-X-K |       |            |                                                                                       |                         |  |                                                 |  |



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| REV. | DESCRIPTION  | DRAWN         | CHECKED | APPROVED      |
|------|--------------|---------------|---------|---------------|
| A    | NEW RELEASE  | LJH 09/21/05' | ~       | LJC 09/21/05' |
| B,C  | ADD DIM.     | LJH 04/04/06' | ~       | LJC 04/04/06' |
| D    | ADD DIM.     | LL 09/26/06'  | ~       | LJC 09/26/06' |
| E    | 整理图面         | YCH 03/15/07' | ~       | LJC 03/15/07' |
| F    | 增加SMT尺寸值表格   | YCH 05/18/07' | ~       | LJC 05/18/07' |
| G    | 整理图面         | YCH 07/23/08' | ~       | LJC 07/23/08' |
| H    | 去除SMT类型      | YCH 05/28/09' | ~       | LJC 05/28/09' |
| J    | ADD P/N CODE | JLZ 07/23/14' | ~       |               |

# NOTES:

## 1. MATERIALS

- 1.1 CONTACT MATERIAL: COPPER ALLOY.
- 1.2 INSULATOR: PBT WITH GLASS FIBER.

## 2. SPECIFICATIONS

- 2.1 CURRENT RATING: 3A.
- 2.2 OPERATING TEMPERATURE: -40°C TO +105°C.
- 2.3 INSULATION RESISTANCE: 1000MΩ MIN.
- 2.4 CONTACT RESISTANCE: 20mΩ MAX.
- 2.5 DIELECTRIC WITHSTANDING: 600 VAC.

## 3. PRODUCT NUMBER CODE:

DS1022- X X X X - X

PLATING LEVEL(FOR GOLD ONLY)①  
3A: 0.8-1.2u" B: LEVEL B  
N: LEVEL N

Dim. A B C type

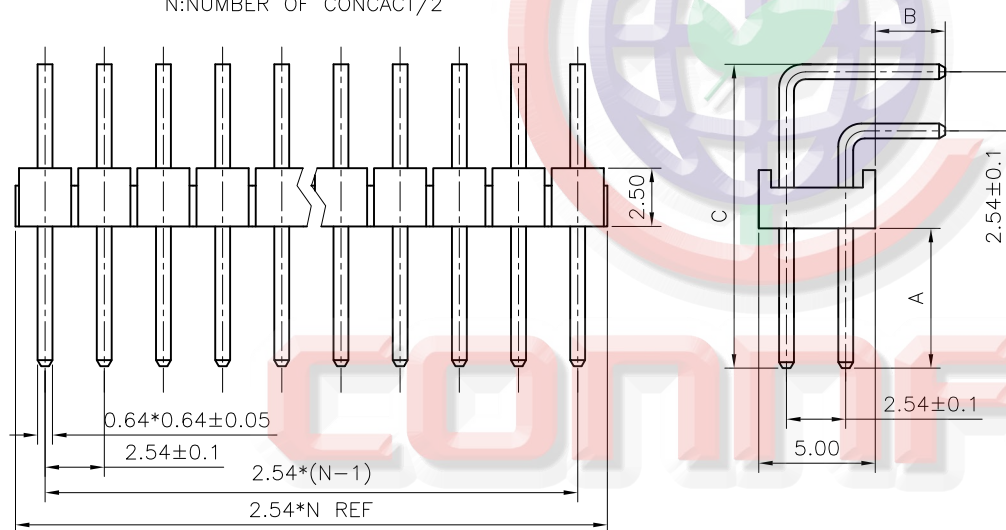
- 1: Type 1
- 2: Type 2
- 3: Type 3
- 4: Type 4
- 5: Type 5
- 6: Type 6
- 7: Type 7
- 8: Type 8

CONTACT PLATING  
F1: FULL GOLD FLASH  
6: FULL TIN

MOUNTING TYPE  
R: R/A

No.OF CONTACTS  
2\*1 - 2\*40

RIGHT ANGLE TYPE  
N:NUMBER OF CONCACT/2

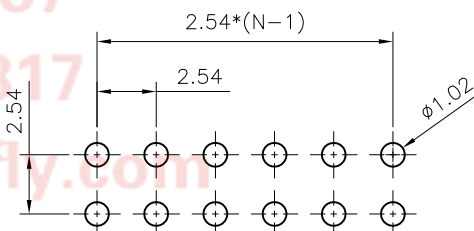


RIGHT ANGLE /弯针

TABLE A:

| TYPE | Dimension |      |       | Pin Length<br>针长 (mm) |
|------|-----------|------|-------|-----------------------|
|      | A         | B    | C     |                       |
| 1    | 6.00      | 3.00 | 13.04 | 14.00<br>19.00        |
| 2    | 6.10      | 4.00 | 12.94 | 14.80<br>19.90        |
| 3    | 6.00      | 4.00 | 12.76 | 14.70<br>19.70        |
| 4    | 9.00      | 3.00 | 16.04 | 16.90<br>22.00        |
| 5    | 6.00      | 3.00 | 13.80 | 14.70<br>19.80        |
| 6    | 5.10      | 3.00 | 13.04 | 14.00<br>19.00        |
| 7    | 6.50      | 3.00 | 13.10 | 14.00<br>19.00        |
| 8    | 3.00      | 6.00 | 9.32  | 18.30<br>13.20        |
| 9    | 3.00      | 3.00 | 10.90 | 11.90<br>16.90        |
| 10   | 7.00      | 3.10 | 13.90 | 14.90<br>20.00        |
| 11   | 4.00      | 3.00 | 10.76 | 11.70<br>16.70        |

| TYPE | Dimension |      |       | Pin Length<br>针长 (mm) |
|------|-----------|------|-------|-----------------------|
|      | A         | B    | C     |                       |
| 12   | 3.00      | 3.00 | 9.90  | 10.90<br>15.90        |
| 13   | 6.00      | 3.50 | 13.04 | 14.40<br>19.50        |
| 14   | 3.00      | 9.00 | 11.90 | 18.80<br>23.90        |
| 15   |           |      |       |                       |
| 16   |           |      |       |                       |
| 17   |           |      |       |                       |
| 18   |           |      |       |                       |
| 19   |           |      |       |                       |
| 20   |           |      |       |                       |
| 21   |           |      |       |                       |
| 22   |           |      |       |                       |



RECOMMEND PCB LAYOUT  
(TOLERANCE ±0.05)

|                   |       |                    |       |            |                                                                                                                                                                    |        |                            |  |
|-------------------|-------|--------------------|-------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------|--|
| GENERAL TOLERANCE |       | ANGLE TOLERANCE    |       | PROJECTION |                                                                               | TITLE  | 2.54mm PIN HEADER R/A TYPE |  |
| X.                | ±0.60 | X.                 | ±5°   | UNITS      | mm                                                                                                                                                                 | 2 ROWS |                            |  |
| .X                | ±0.38 | .X                 | ±3°   | SHEET SIZE | A4                                                                                                                                                                 | SERIES | DS1022 SERIES              |  |
| .XX               | ±0.25 | .XX                | ±2°   |            |                                                                                                                                                                    |        |                            |  |
| DRAWING TYPE      |       | CUSTOMER           |       |            | <div><div>晨翔电子有限公司</div><div>CONNFLY® CONNFLY ELECTRONIC CO., LTD</div></div> |        |                            |  |
| SCALE             |       | 1:1                | SHEET | 1 OF 1     |                                                                                                                                                                    |        |                            |  |
| DRAWING NO.       |       | C-DS1022-2*XXX-X-J |       |            |                                                                                                                                                                    |        |                            |  |



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| REV. | DESCRIPTION  | DRAWN         | CHECKED | APPROVED      |
|------|--------------|---------------|---------|---------------|
| A    | NEW RELEASE  | YCH 11/19/10' | ~       | LJC 11/19/10' |
| B    | ADD P/N CODE | LJC 12/08/13' | ~       | LJC 12/08/13' |
| C    | 吸嘴修改         | YCH 04/23/14' | ~       |               |

# NOTES:

## 1. MATERIALS

- 1.1 CONTACT PLATING: COPPER ALLOY.
- 1.2 CONTACT PLATING: FULL GOLD OR TIN OVER NICKEL.
- 1.3 INSULATOR MATERIALS: HIGH TEMP. UL94 V-0,COLOR OF BLACK.

## 2. SPECIFICATIONS

- 2.1 CURRENT RATING: 3A.
- 2.2 OPERATING TEMPERATURE: -40°C TO +105°C.
- 2.3 INSULATION RESISTANCE: 1000MΩ MIN.
- 2.4 CONTACT RESISTANCE: 20mΩ MAX.
- 2.5 DIELECTRIC WITHSTANDING : 600 VAC.

## 3. PRODUCT NUMBER CODE:

DS1022- X X M X X X X - X

① PLATING LEVEL(FOR GOLD ONLY)  
3A: 0.8-1.2u" B: LEVEL B

PACKING TYPE  
T: TRAY  
R: TAPE ON REEL  
B: TUBE  
A: POLYBAG

PICK UP SUPPORT  
S: W/ PICK UP  
X: W/O PICK UP

Dim. A B C type  
1: Type 1  
2: Type 2  
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CONTACT PLATING  
F1: FULL GOLD FLASH  
6: FULL TIN

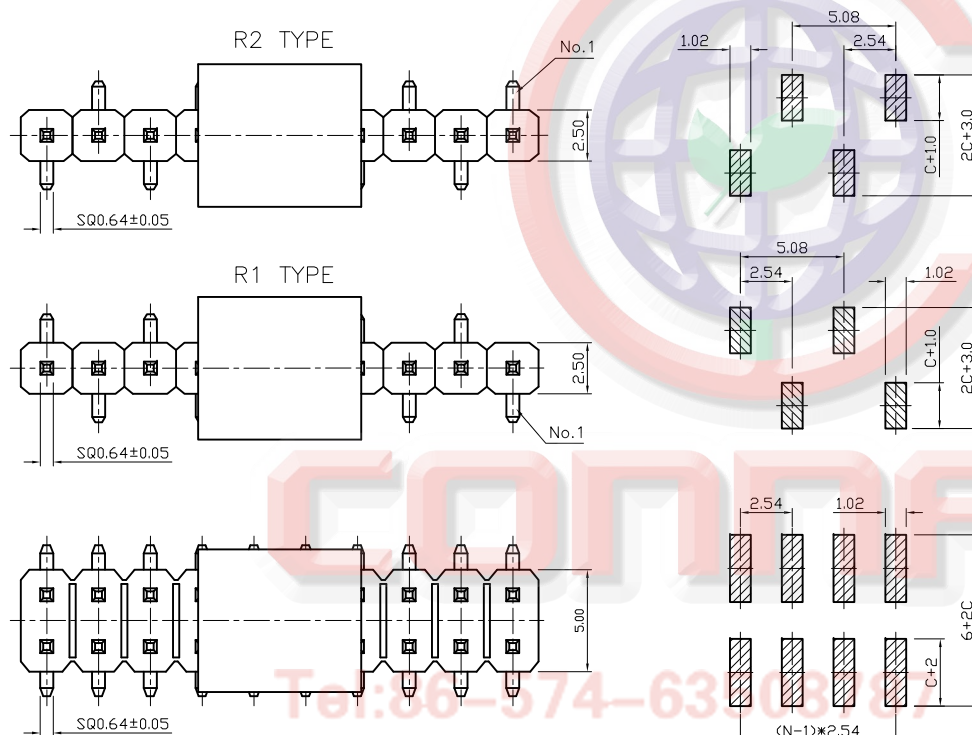
BEND TYPE (SINGLE ROW ONLY)  
A: R1 TYPE  
B: R2 TYPE

MOUNTING TYPE  
M: SMT

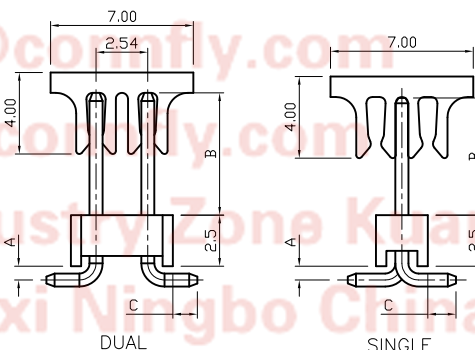
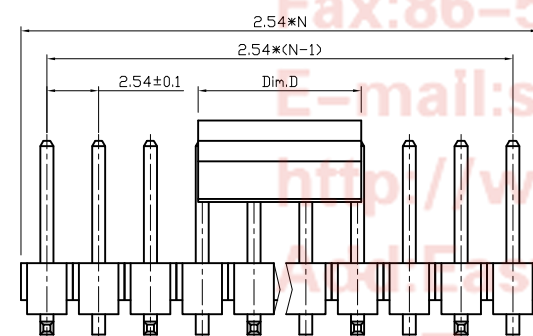
No.OF CONTACTS  
1\*2 - 1\*40  
2\*2 - 2\*40

TABLE B:

| TYPE | Dimension |       |      | Pin Length (mm) |
|------|-----------|-------|------|-----------------|
|      | A         | B     | C    |                 |
| 1    | 1.50      | 6.00  | 3.00 | 13.80           |
| 2    | 1.20      | 6.00  | 3.00 | 13.50           |
| 3    | 0.68      | 7.75  | 1.20 | 12.90           |
| 4    | 1.20      | 8.00  | 2.50 | 14.90           |
| 5    | 1.20      | 6.00  | 1.20 | 11.70           |
| 6    | 0.70      | 6.00  | 1.40 | 11.30           |
| 7    | 1.50      | 6.00  | 1.20 | 11.90           |
| 8    | 1.00      | 5.84  | 1.40 | 11.60           |
| 9    | 1.00      | 8.13  | 1.40 | 13.80           |
| 10   | 1.18      | 11.00 | 2.50 | 17.90           |
| 11   | 0.68      | 4.50  | 1.40 | 10.00           |
| 12   |           |       |      |                 |
| 13   |           |       |      |                 |
| 14   |           |       |      |                 |
| 15   |           |       |      |                 |
| 16   |           |       |      |                 |
| 17   |           |       |      |                 |
| 18   |           |       |      |                 |
| 19   |           |       |      |                 |
| 20   |           |       |      |                 |
| 21   |           |       |      |                 |
| 22   |           |       |      |                 |
| 23   |           |       |      |                 |
| 24   |           |       |      |                 |
| 25   |           |       |      |                 |



RECOMMEND PCB LAYOUT  
TOLERANCE=±0.05



| pos.    | Dim. | Dim.D |
|---------|------|-------|
| 2~8pin  |      | 5.0mm |
| 9~40pin |      | 8.0mm |

|                   |       |                       |       |                                                                                                                                                           |                                                                                       |        |               |                                  |  |        |
|-------------------|-------|-----------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|---------------|----------------------------------|--|--------|
| GENERAL TOLERANCE |       | ANGLE TOLERANCE       |       | PROJECTION                                                                                                                                                |  | TITLE  |               | PIN HEADER PITCH 2.54mm SMT TYPE |  |        |
| X.                | ±0.60 | X.                    | ±5°   | UNITS                                                                                                                                                     | mm                                                                                    |        |               |                                  |  |        |
| .X                | ±0.38 | .X                    | ±3°   | SHEET SIZE                                                                                                                                                | A4                                                                                    | SERIES | DS1022 SERIES |                                  |  |        |
| .XX               | ±0.25 | .XX                   | ±2°   | <div> 晨翔电子有限公司</div> <div>CONNFLY® CONNFLY ELECTRONIC CO., LTD</div> |                                                                                       |        |               |                                  |  |        |
| DRAWING TYPE      |       | CUSTOMER              |       |                                                                                                                                                           |                                                                                       |        |               |                                  |  |        |
| SCALE             |       | 1:1                   | SHEET |                                                                                                                                                           |                                                                                       |        |               |                                  |  | 1 OF 1 |
| DRAWING NO.       |       | C-DS1022-XMXXXXXX-X-C |       |                                                                                                                                                           |                                                                                       |        |               |                                  |  |        |



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