

|   |      |     |
|---|------|-----|
| A | Dept | Qty |
|   | DC   | 1   |
|   | ED   | 1   |
|   | IE   | 1   |
| B | ISO  | 1   |
|   | PD   | 1   |
|   | R&D  | 1   |
|   | SD   | 1   |
|   | QA   | 1   |
|   | QC   | 1   |
|   | QE   | 1   |
|   |      |     |

Technical drawing of a 10-hole punch strip, showing front and top views with dimensions.

**Front View (Top):**

- Overall length:  $N \times 2.54 \pm 0.5$
- Distance between hole centers:  $(N-1) \times 2.54 \pm 0.25$
- Distance from the first hole center to the left edge:  $2.54 \pm 0.1$
- Strip thickness:  $0.64$

**Top View (Bottom):**

- Overall length:  $(N-1) \times 2.54$
- Distance between hole centers:  $2.54$
- Hole diameter:  $\varnothing 1.02$

|                   |       |                    |              |
|-------------------|-------|--------------------|--------------|
| 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 2 |
| DRAWING NO.       |       | C-DS1021-XXXXX-X-O |              |

1. Electrical Characteristics:
  - 1.1 Contact Resistance: 20mΩ Max.
  - 1.2 Dielectric Withstanding Voltage: 600V AC(rms)  
For 1 Minute.
  - 1.3 Insulation Resistance: 1000MΩ Min.
  - 1.4 Current Rating:3A.
  - 1.5 Voltage Rating:250V AC rms.
- 2.Environment Characteristics:
  - 2.1 Temperature: -40°C~+105°C.
- 3.Materials:
  - 3.1 Contact Material: Copper Alloy.
  - 3.2 Contact Plating: Gold Plating Over Nickel.
  - 3.3 Insulator Materials: PBT,Black,UL94-V0.
- 4.Product Number Code:

DS1021- X X X X - X

- Plating Level  
3A: Level 3A B: Level B  
N: Level N
- Table A & B Dim.Type  
1: Type 1  
2: Type 2  
or -A\*.\*-B\*.\*
- Contact Plating  
F1: Full Gold Flash
- Mounting Type  
S: Straight Type
- No. Of Contacts  
1x1~1x40

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CONNFLY CONNFLY ELECTRONIC CO. LTD

[illegible]

| TYPE | Dimension |       |
|------|-----------|-------|
|      | A         | B     |
| 1    | 3.00      | 6.10  |
| 2    | 0.00      | 9.15  |
| 3    | 0.00      | 12.50 |
| 4    | 0.00      | 21.50 |
| 5    | 3.00      | 12.50 |
| 6    | 3.00      | 3.00  |
| 7    | 3.00      | 17.30 |
| 8    | 2.50      | 5.80  |
| 9    | 3.00      | 7.10  |
| 10   | 3.00      | 8.30  |
| 11   | 3.00      | 9.30  |
| 12   | 3.00      | 12.30 |
| 13   | 0.40      | 7.30  |
| 14   | 3.00      | 14.50 |
| 15   | 3.00      | 5.30  |
| 16   | 3.00      | 3.50  |
| 17   | 0.00      | 9.00  |
| 18   | 6.00      | 11.50 |
| 19   | 3.00      | 18.80 |
| 20   | 3.00      | 10.50 |
| 21   | 6.25      | 6.25  |
| 22   | 3.00      | 12.10 |
| 23   | 3.00      | 11.50 |
| 24   | 3.00      | 13.50 |
| 25   | 3.00      | 8.50  |
| 26   | 3.00      | 15.50 |
| 27   | 3.00      | 17.50 |
| 28   | 3.00      | 20.50 |
| 29   | 3.00      | 8.90  |

| TYPE | Dimension |       |
|------|-----------|-------|
|      | A         | B     |
| 30   | 3.20      | 19.40 |
| 31   | 5.00      | 12.50 |
| 32   | 3.00      | 9.50  |
| 33   | 3.00      | 19.50 |
| 34   | 3.00      | 29.50 |
| 35   | 3.00      | 6.96  |
| 36   | 3.00      | 5.96  |
| 37   | 3.00      | 5.50  |
| 38   | 3.00      | 14.30 |
| 39   | 3.00      | 15.90 |
| 40   | 3.00      | 21.50 |
| 41   | 3.34      | 13.96 |
| 42   | 3.50      | 22.00 |
| 43   | 3.00      | 24.50 |
| 44   | 3.00      | 34.50 |
| 45   | 3.00      | 18.50 |
| 46   | 3.00      | 8.00  |
| 47   | 6.00      | 6.00  |
| 48   | 3.00      | 7.50  |
| 49   | 3.00      | 5.00  |
| 50   | 3.00      | 9.00  |
| 51   | 3.00      | 11.00 |
| 52   | 3.20      | 14.20 |
| 53   | 3.00      | 23.50 |
| 54   | 3.00      | 9.46  |
| 55   | 3.00      | 16.50 |
| 56   | 0.60      | 8.50  |
| 57   | 3.00      | 28.50 |
| 58   | 3.30      | 15.60 |

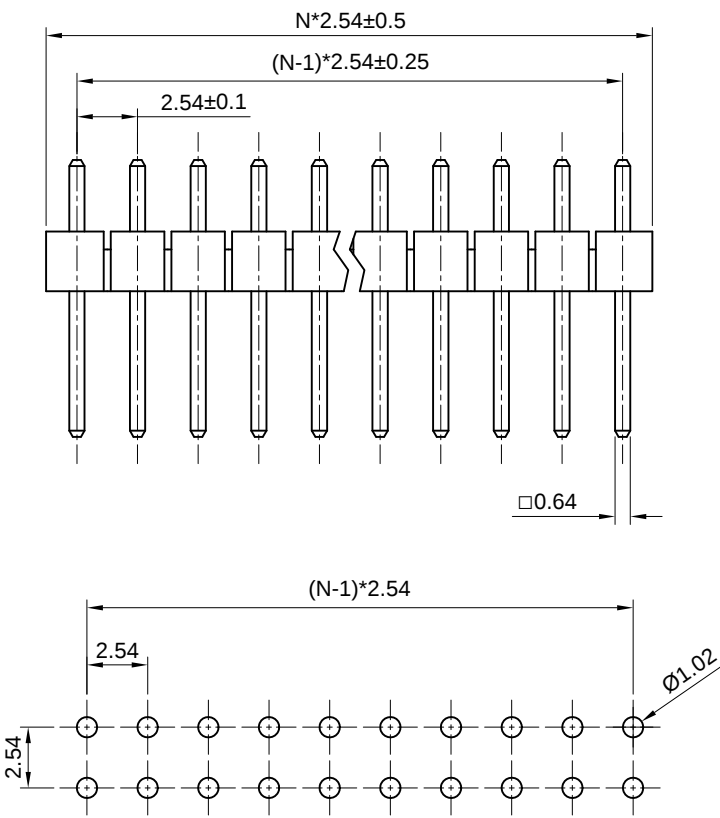
| TYPE | Dimension |       |
|------|-----------|-------|
|      | A         | B     |
| 59   | 3.00      | 30.50 |
| 60   | 4.00      | 4.00  |
| 61   | 2.00      | 4.00  |
| 62   | 3.00      | 6.50  |
| 63   | 3.00      | 10.00 |
| 64   | 2.00      | 4.50  |
| 65   | 1.00      | 4.50  |
| 66   | 4.00      | 6.00  |
| 67   | 3.00      | 4.00  |
| 68   | 4.50      | 7.00  |
| 69   | 3.00      | 15.00 |
| 70   | 4.50      | 4.50  |
| 71   | 2.50      | 25.00 |
| 72   | 3.50      | 24.00 |
| 73   | 3.00      | 4.50  |
| 74   | 3.50      | 17.00 |
| 75   | 3.50      | 13.00 |
| 76   | 3.50      | 9.00  |
| 77   | 3.50      | 6.10  |
| 78   | 3.10      | 15.40 |
| 79   | 5.50      | 9.00  |
| 80   | 5.50      | 13.00 |
| 81   | 3.50      | 5.60  |
| 82   | 8.60      | 8.60  |
| 83   | 3.30      | 6.80  |
| 84   | 3.10      | 6.00  |
| 85   | 2.50      | 3.50  |
| 86   | 3.00      | 22.50 |
| 87   | 3.00      | 12.00 |

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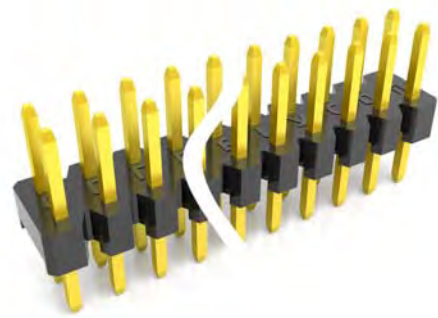
|                   |                    |                 |        |            |                                                                                                                                      |            |                            |  |
|-------------------|--------------------|-----------------|--------|------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------|--|
| GENERAL TOLERANCE |                    | ANGLE TOLERANCE |        | PROJECTION |                                                 | TITLE      | 2.54mm Pin Header V/T Type |  |
| X.                | ±0.60              | X.              | ±5°    | UNITS      | mm                                                                                                                                   | Single Row |                            |  |
| .X                | ±0.38              | .X              | ±3°    | SHEET SIZE | A4                                                                                                                                   | SERIES     | DS1021 SERIES              |  |
| .XX               | ±0.25              | .XX             | ±2°    |            |                                                                                                                                      |            |                            |  |
| DRAWING TYPE      |                    | CUSTOMER        |        |            |  晨翔电子有限公司<br>CONNFLY CONNFLY ELECTRONIC CO. LTD |            |                            |  |
| SCALE             | 1:1                | SHEET           | 2 OF 2 |            |                                                                                                                                      |            |                            |  |
| DRAWING NO.       | C-DS1021-XXXXX-X-O |                 |        |            |                                                                                                                                      |            |                            |  |

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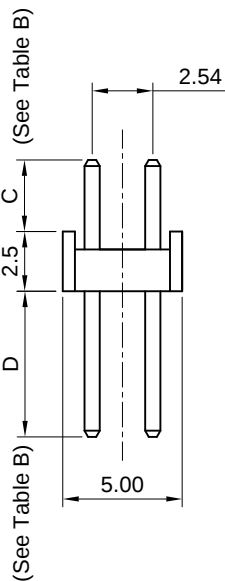
Double Row  
N: Number Of Contacts/2  
C/D: Customer Length Available



Recommend PCB Layout



(Series Image-Reference Only)



| 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 2 |
| DRAWING NO.       | C-DS1021-XXXXX-X-0 |                 |        |

| REV. | DESCRIPTION    | DRAWN         | CHECKED | APPROVED      |
|------|----------------|---------------|---------|---------------|
| A    | NEW RELEASE    | LL 07/03/06'  |         | LJC 07/03/06' |
| O    | DRAWING UPDATE | JLZ 09/18/18' |         |               |
| P    | DRAWING UPDATE | JLZ 06/08/21' |         |               |

- Notes:
- Electrical Characteristics:
    - Contact Resistance: 20mΩ Max.
    - Dielectric Withstanding Voltage: 600V AC(rms) For 1 Minute.
    - Insulation Resistance: 1000MΩ Min.
    - Current Rating: 3A.
    - Voltage Rating: 250V AC rms.
  - Environment Characteristics:
    - Temperature: -40°C~+105°C.
  - Materials:
    - Contact Material: Copper Alloy.
    - Contact Plating: Gold Plating Over Nickel.
    - Insulator Materials: PBT, Black, UL94-V0.
  - Product Number Code:

DS1021- X X X X - X

- Plating Level  
3A: Level 3A B: Level B  
N: Level N
- Table C & D Dim.Type  
1: Type 1  
2: Type 2  
or -C\*.\*-D\*.\*
- Contact Plating  
F1: Full Gold Flash
- Mounting Type  
S: Straight Type
- No. Of Contacts  
2x1~2x40

|            |    |        |                                       |        |
|------------|----|--------|---------------------------------------|--------|
| PROJECTION |    | TITLE  | 2.54mm Pin Header V/T Type Double Row |        |
| UNITS      | mm |        |                                       |        |
| SHEET SIZE | A4 | SERIES | DS1021                                | SERIES |



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|   |      |     |
|---|------|-----|
| A | Dept | Qty |
|   | DC   | 1   |
|   | ED   | 1   |
|   | IE   | 1   |
|   | ISO  | 1   |
| B | PD   | 1   |
|   | R&D  | 1   |
|   | SD   | 1   |
|   | QA   | 1   |
|   | QC   | 1   |
|   | QE   | 1   |

A vertical number line with a horizontal tick mark in the middle. The top half is labeled 'A' and the bottom half is labeled 'B'.

B

- C

D

|  |  |
|--|--|
|  |  |
|  |  |

E

F

F

—

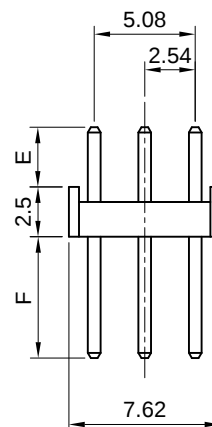
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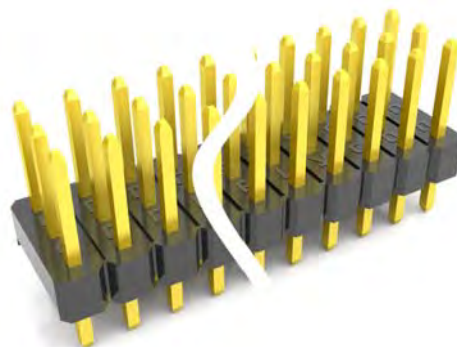
1

| TYPE | Dimension |      |
|------|-----------|------|
|      | E         | F    |
| 1    | 3.00      | 6.10 |
| 2    | 7.15      | 7.15 |

Technical drawing of a multi-hole plate. The drawing shows a series of holes arranged in a row. The overall width is dimensioned as  $N \times 2.54 \pm 0.5$ . The distance between the centers of adjacent holes is dimensioned as  $(N-1) \times 2.54 \pm 0.25$ . The distance from the center of the first hole to the left edge is dimensioned as  $2.54 \pm 0.1$ . The drawing includes a break symbol (two wavy lines) indicating that the plate is longer than shown. A square symbol with the value  $0.64$  is shown at the bottom right, indicating the thickness of the plate.



## Recommend PCB Layout



(Series Image-Reference Only)

|                   |                    |                 |        |                                                                                                                                                    |                                                                                       |            |                            |  |
|-------------------|--------------------|-----------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|----------------------------|--|
| GENERAL TOLERANCE |                    | ANGLE TOLERANCE |        | PROJECTION                                                                                                                                         |  | TITLE      | 2.54mm Pin Header V/T Type |  |
| X.                | ±0.60              | X.              | ±5°    | UNITS                                                                                                                                              | mm                                                                                    | Three Rows |                            |  |
| .X                | ±0.38              | .X              | ±3°    | SHEET SIZE                                                                                                                                         | A4                                                                                    | SERIES     | DS1021 SERIES              |  |
| .XX               | ±0.25              | .XX             | ±2°    |  <b>晨翔电子有限公司</b><br><b>CONNFLY CONNFLY ELECTRONIC CO. LTD</b> |                                                                                       |            |                            |  |
| DRAWING TYPE      |                    | CUSTOMER        |        |                                                                                                                                                    |                                                                                       |            |                            |  |
| SCALE             | 1:1                | SHEET           | 1 OF 1 |                                                                                                                                                    |                                                                                       |            |                            |  |
| DRAWING NO.       | C-DS1021-XXXXX-X-P |                 |        |                                                                                                                                                    |                                                                                       |            |                            |  |

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