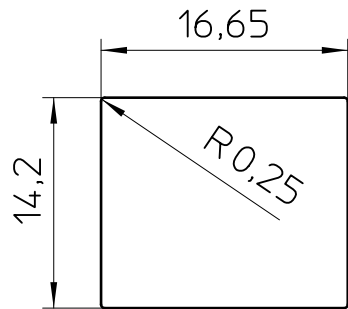


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## Recommended panel cutout



Phoenix Logo

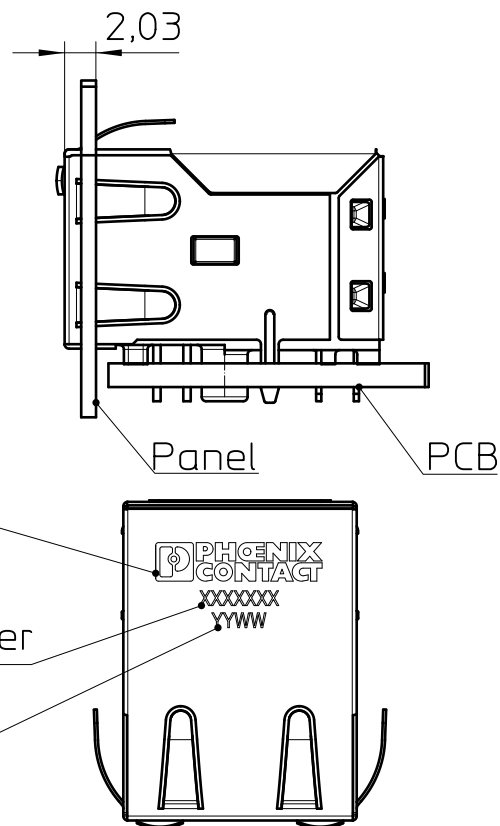
Lasered 2,6 mm H

Phoenix Part Number

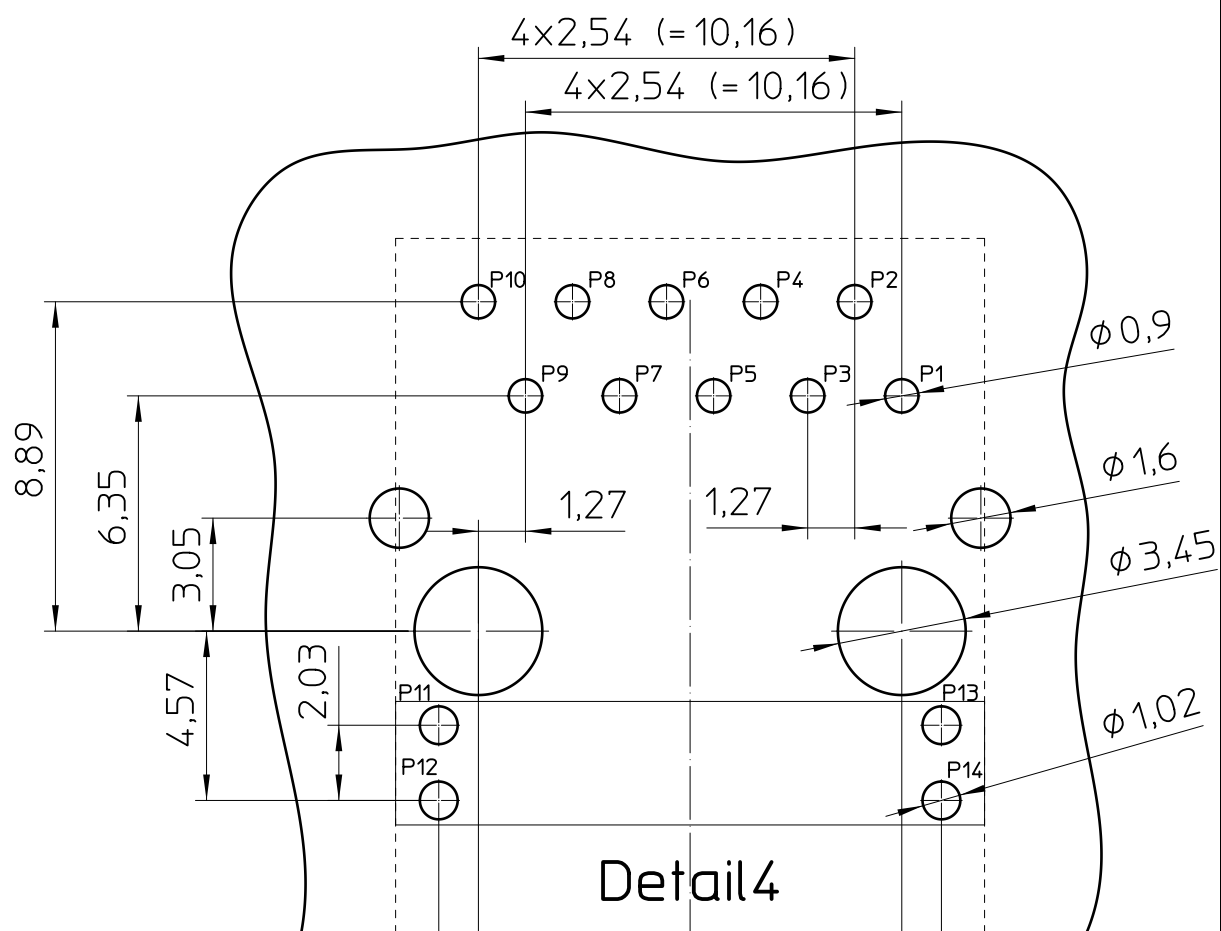
1 mm H

Date Code

1 mm H



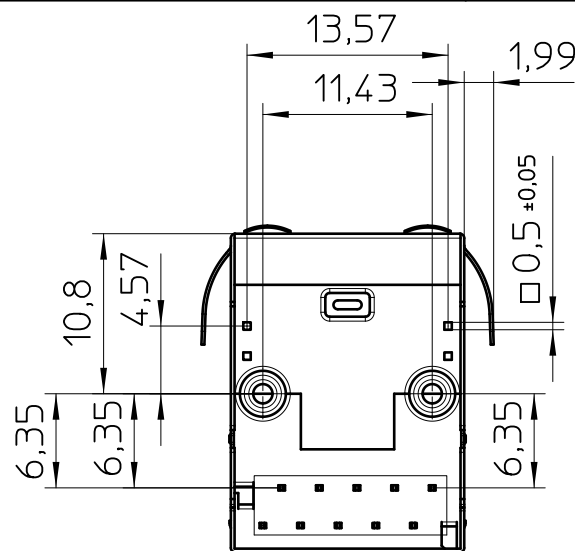
PCB drill hole dimensions (see from component side)



## Recommended PCB Layout

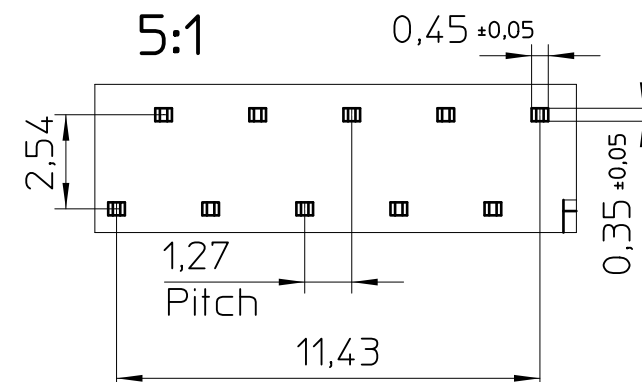
Tol:  $\pm 0,05$  mm

T=1,60 $\pm 0,15$  mm



## Detail1

5:1



## Detail2

5:1

## Detail3

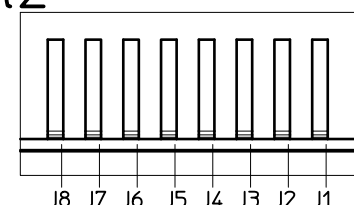
LED 1  
GREEN

LED 2  
YELLOW

## Detail2

## Detail3

5:1



## Detail4

5:1

LED 1  
GREEN  
P11  
P12

LED 2  
YELLOW  
P13  
P14

## LED-Specifications

| LED    | Forward Voltage (max) | *Forward Voltage (Typical) |
|--------|-----------------------|----------------------------|
| GREEN  | 2,4 V                 | 2,2 V                      |
| YELLOW | 2,5 V                 | 2,1 V                      |

\*Forward DC current: 20 mA

## General Tolerances

|                  |            |
|------------------|------------|
| 1 Decimal Place  | $\pm 0,25$ |
| 2 Decimal Places | $\pm 0,20$ |
| 3 Decimal Places | $\pm 0,15$ |

DIN A3



page 1 of 2

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1664002

date  
07.11.2024

document-type  
TECDOC 2D\_Productfamily

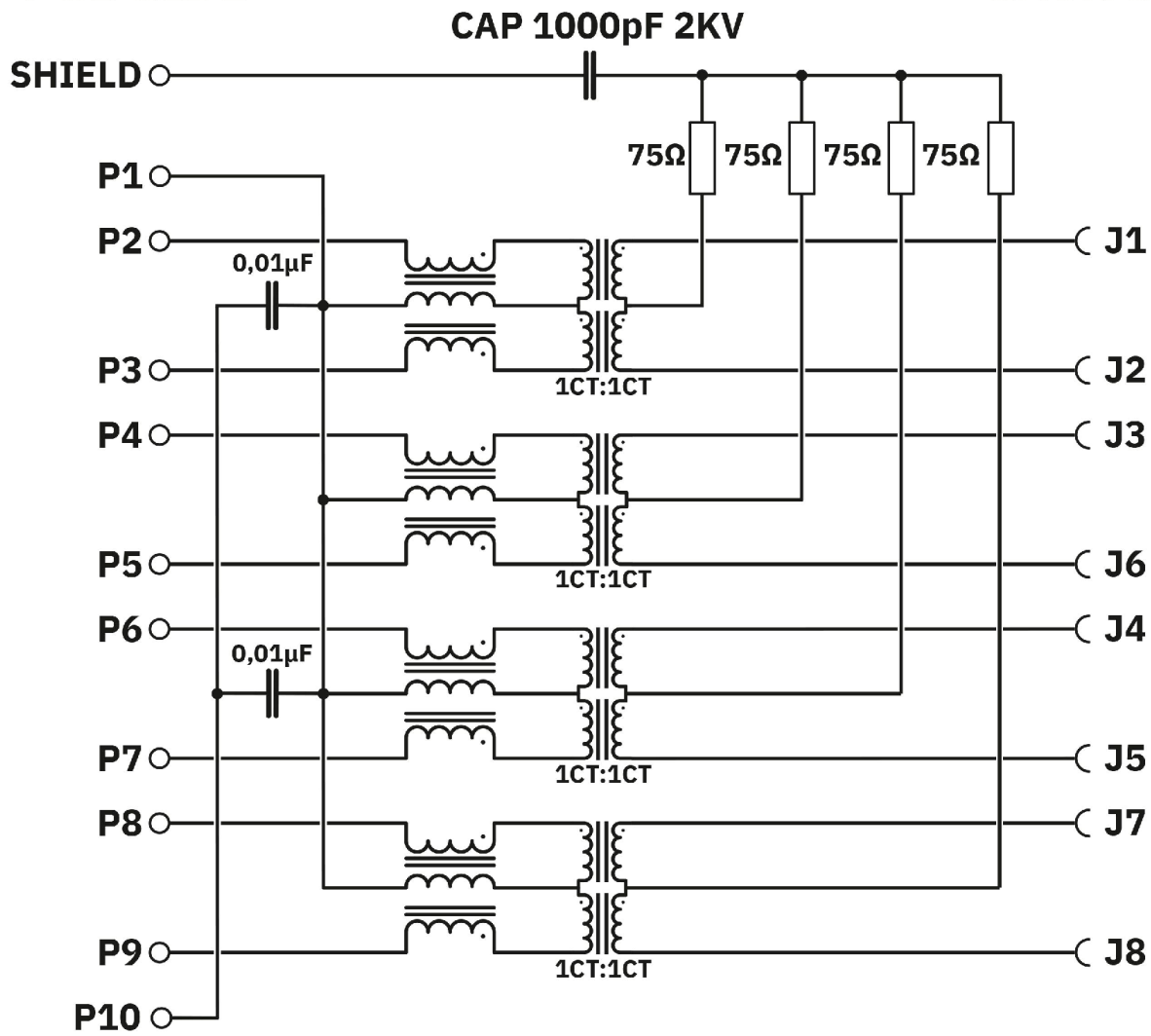
description  
CUC-IB8G-J1ST-AT/R4R-PL1

scale  
2:1

- Simplified representation
- Document excluded from change process
- Linear dimensions [mm]

PCB SIDE

JACK SIDE



ELECTRONICAL SPECIFICATIONS

1. ACCORDING TO IEEE 802.3
2. TURN RATIO @100KHz: (P2~P3):(J1~J2) = 1:1±5%  
(P4~P5):(J3~J6) = 1:1±5%  
(P6~P7):(J4~J5) = 1:1±5%  
(P8~P9):(J7~J8) = 1:1±5%
3. PRIMARY INDUCTANCE: 350μH MIN @100KHz  
0,1V 8mA DC BIAS
4. DC RESISTANCE: 1,2 OHMS MAX
5. INSERTION LOSS: 1-100MHz -1,0dB MAX  
100-125MHz -1,2dB MAX
6. RETURN LOSS: 1-40MHz -16dB MIN  
40-60MHz -12dB MIN  
60-80MHz -10dB MIN  
80-100MHz -8dB MIN
7. CROSS TALK: 1-100MHz -30dB MIN
8. COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
9. ISOLATION: PHY SIDE TO LINE SIDE: 2250VDC

|    |      |          |  |      |          |        |          |                |                             |              |               |          |
|----|------|----------|--|------|----------|--------|----------|----------------|-----------------------------|--------------|---------------|----------|
|    |      |          |  |      |          | 00     | date     | name           | ident.-No. / RI             | material     | scale         | dim.var. |
|    |      |          |  |      |          | creat. | 24.10.24 | pbkp11         | 1664002 / 00                | -            | 2:1           |          |
|    |      |          |  |      |          | check. | 07.11.24 | il259h         | SAP change-No. NAB210064E04 | part-rev.    |               |          |
|    |      |          |  |      |          |        |          | DIN A3         | document-type               | document-No. | surface in μm |          |
|    |      |          |  |      |          |        |          | PHENIX CONTACT | TECDOC 2D_Productfamily     | 01760907     |               |          |
|    |      |          |  |      |          |        |          |                | description                 |              |               |          |
| RI | date | revision |  | name | check.on | name   | page 2   | of 2           |                             |              |               |          |
|    |      |          |  |      |          |        |          |                |                             |              |               |          |

CUC-IB8G-J1ST-AT/R4R-PL1