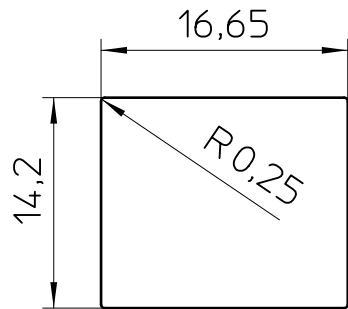


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## Recommended panel cutout



Phoenix Logo

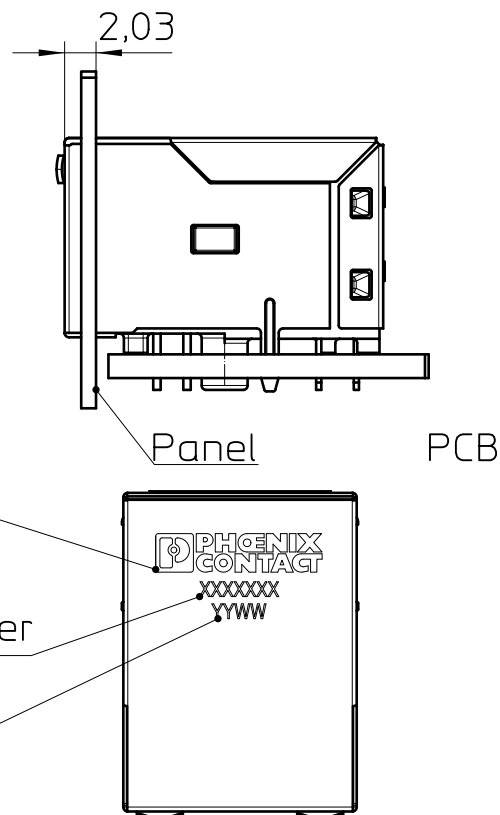
Lasered 2,6 mm H

Phoenix Part Number

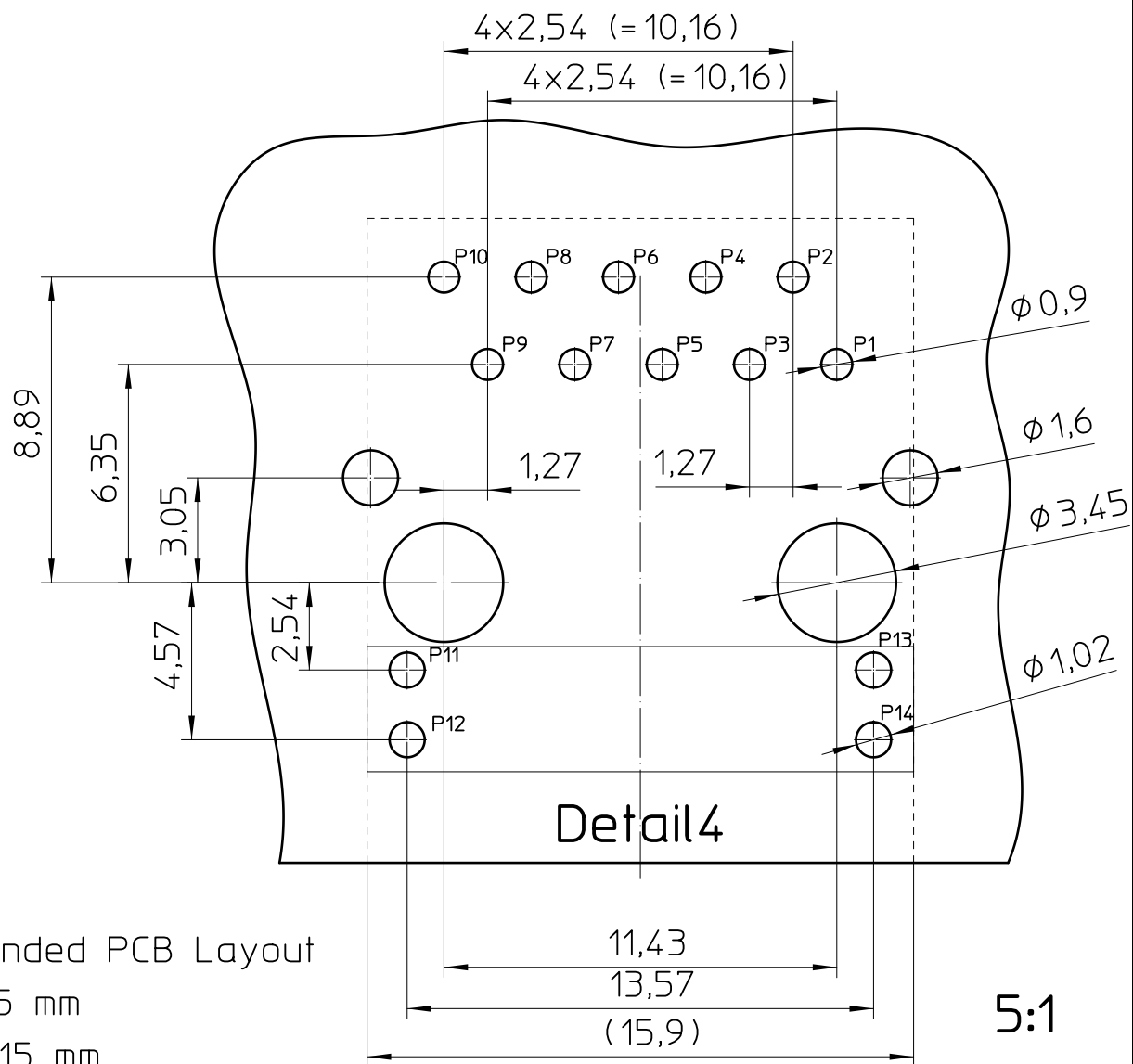
1 mm H

Date Code

1 mm H



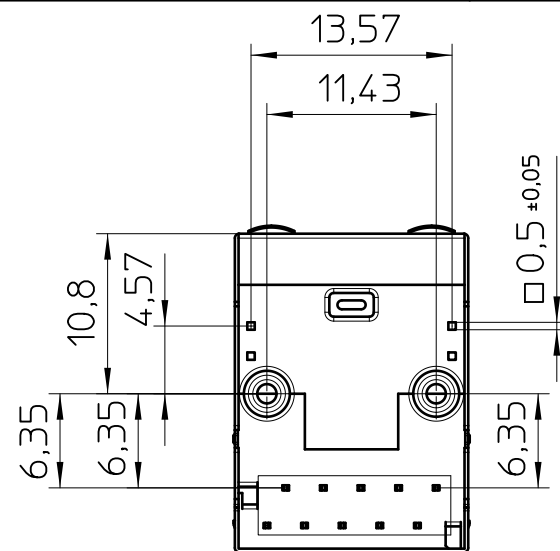
PCB drill hole dimensions (see from component side)



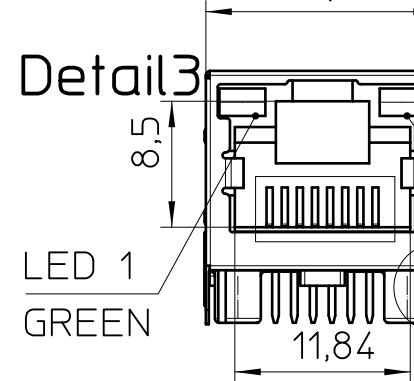
## Recommended PCB Layout

Tol:  $\pm 0,05$  mm

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



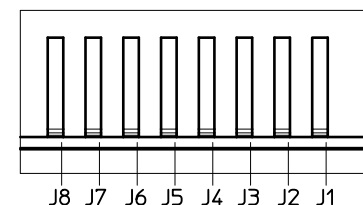
## Detail1



LED 1  
GREEN

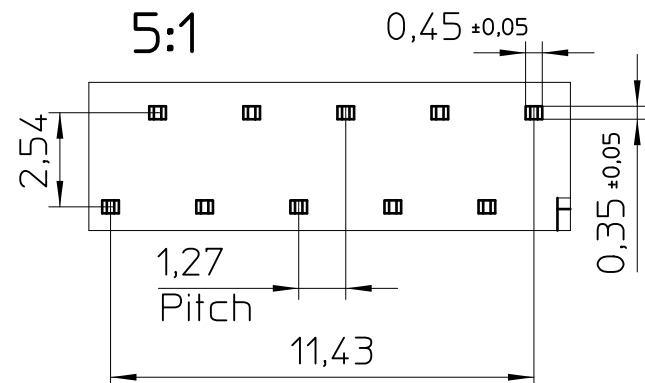
LED 2  
YELLOW

## Detail3



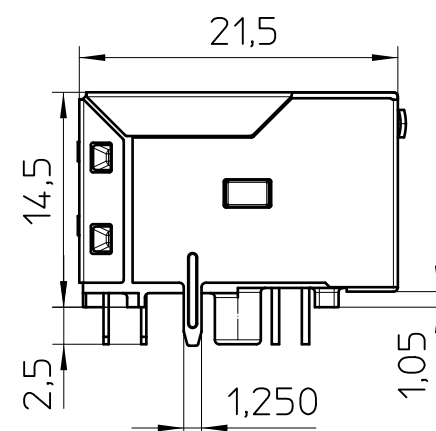
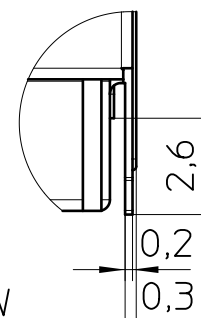
## Detail1

5:1



## Detail2

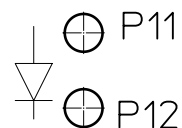
5:1



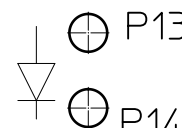
## Detail4

5:1

LED 1  
GREEN



LED 2  
YELLOW



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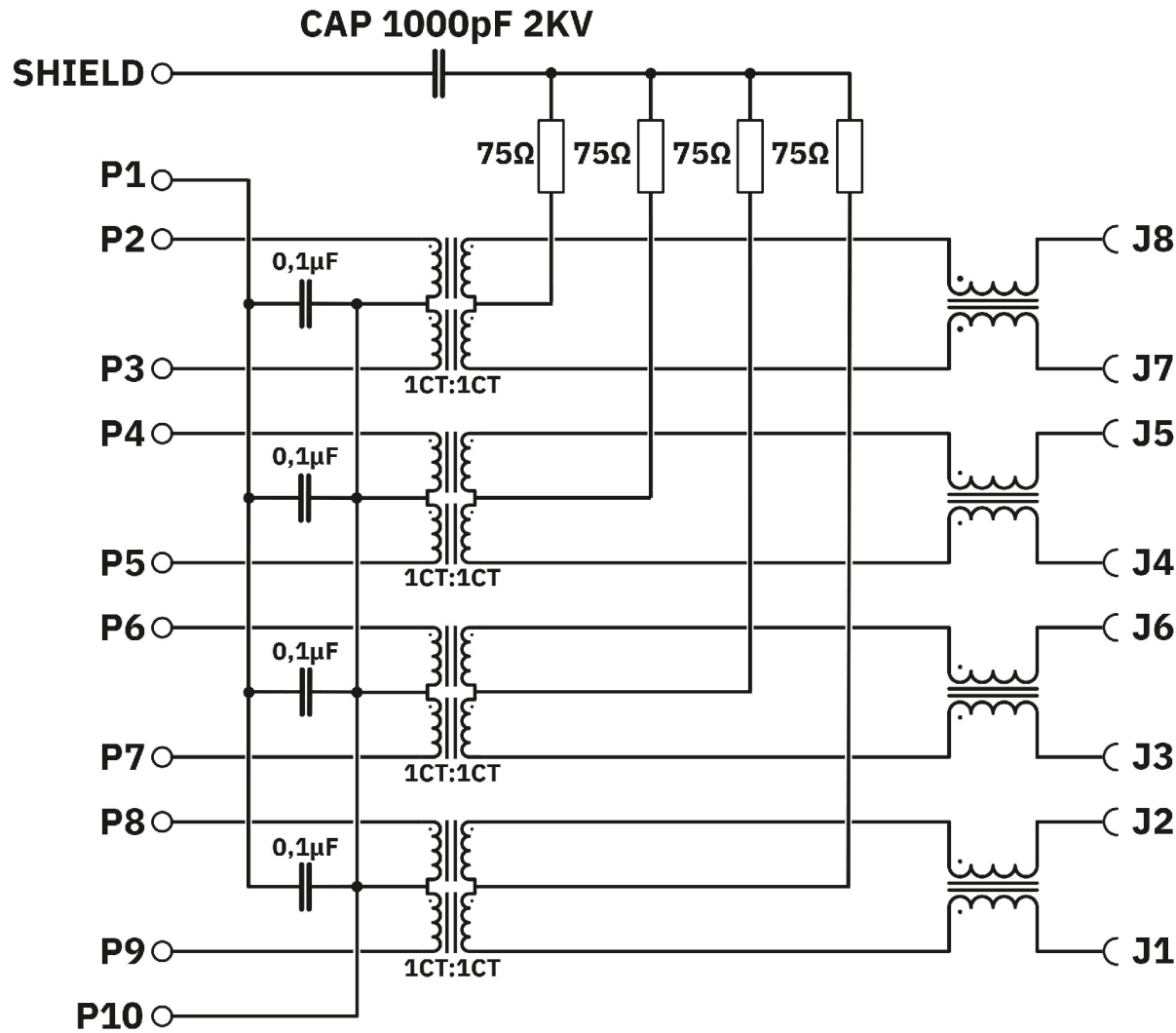
- Simplified representation  
- Document excluded  
from change process  
- Linear dimensions [mm]

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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

- EN ISO 291 23/50

|                                                                                              |      |                                               |                                                 |                     |                                                                                                                                                              |
|----------------------------------------------------------------------------------------------|------|-----------------------------------------------|-------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  DIN A3 |      | document-no. / ri<br><b>01759783 / 00</b>     | article-no.<br><b>1663981</b>                   | scale<br><b>2:1</b> | <ul style="list-style-type: none"><li>- Simplified representation</li><li>- Document excluded from change process</li><li>- Linear dimensions [mm]</li></ul> |
|         |      | date<br><b>07.11.2024</b>                     | document-type<br><b>TECDOC 2D_Productfamily</b> |                     |                                                                                                                                                              |
|                                                                                              |      | description<br><b>CUC-IB1G-J1ST-AT/R4R-L1</b> |                                                 |                     |                                                                                                                                                              |
| page 2                                                                                       | of 2 |                                               |                                                 |                     |                                                                                                                                                              |