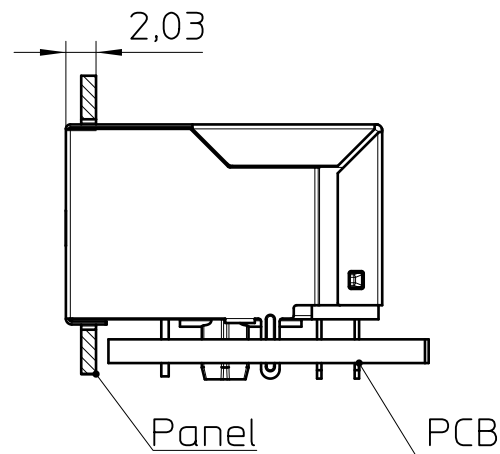
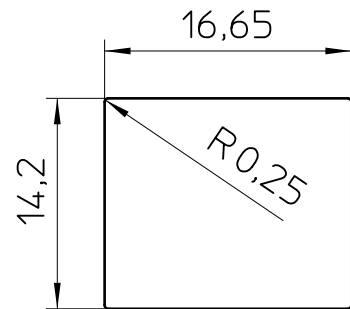


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Recommended panel cutout



Phoenix Logo

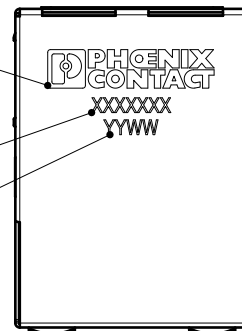
Lasered 2,6 mm H

Phoenix Part Number

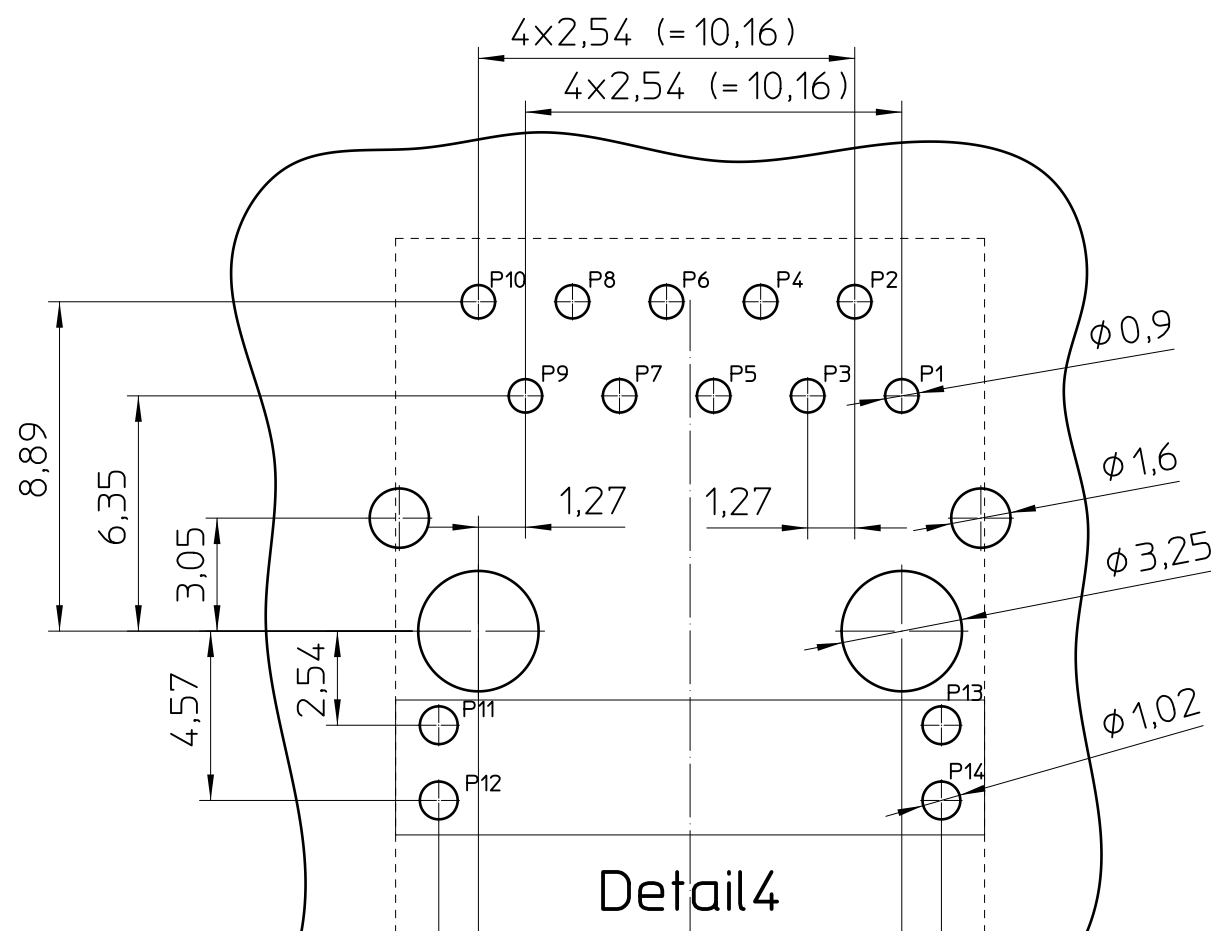
1 mm H

Date Code

1 mm H



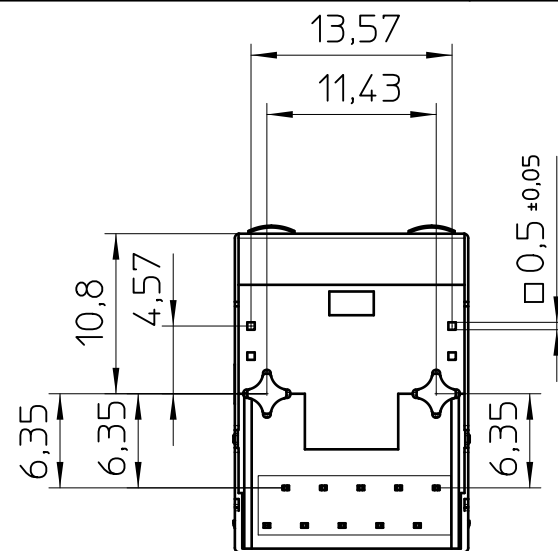
PCB drill hole dimensions (see from component side)



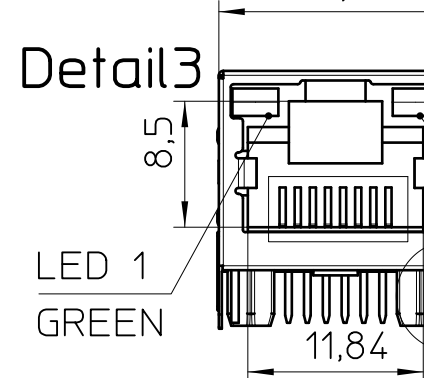
Recommended PCB Layout

Tol: $\pm 0,05$ mm

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



Detail1
15,75



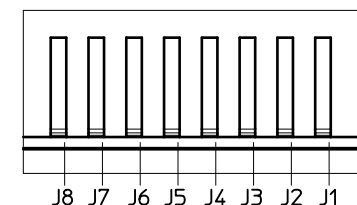
LED 1
GREEN

LED 2
YELLOW

Detail2

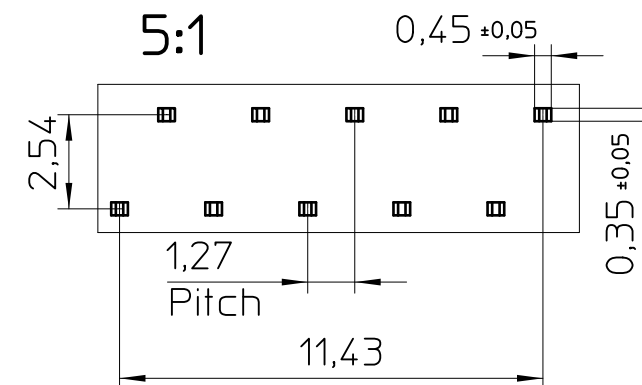
Detail3

5:1



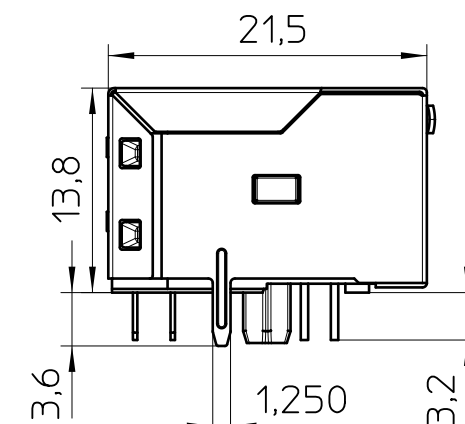
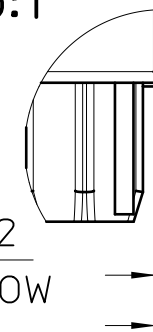
Detail1

5:1



Detail2

5:1



Detail4

5:1

LED 1
GREEN
 ∇ $\oplus$ P11
 ∇ $\oplus$ P12

LED 2
YELLOW
 ∇ $\oplus$ P13
 ∇ $\oplus$ 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	$\pm 0,15$

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date
07.11.2024

document-type
TECDOC 2D_Productfamily

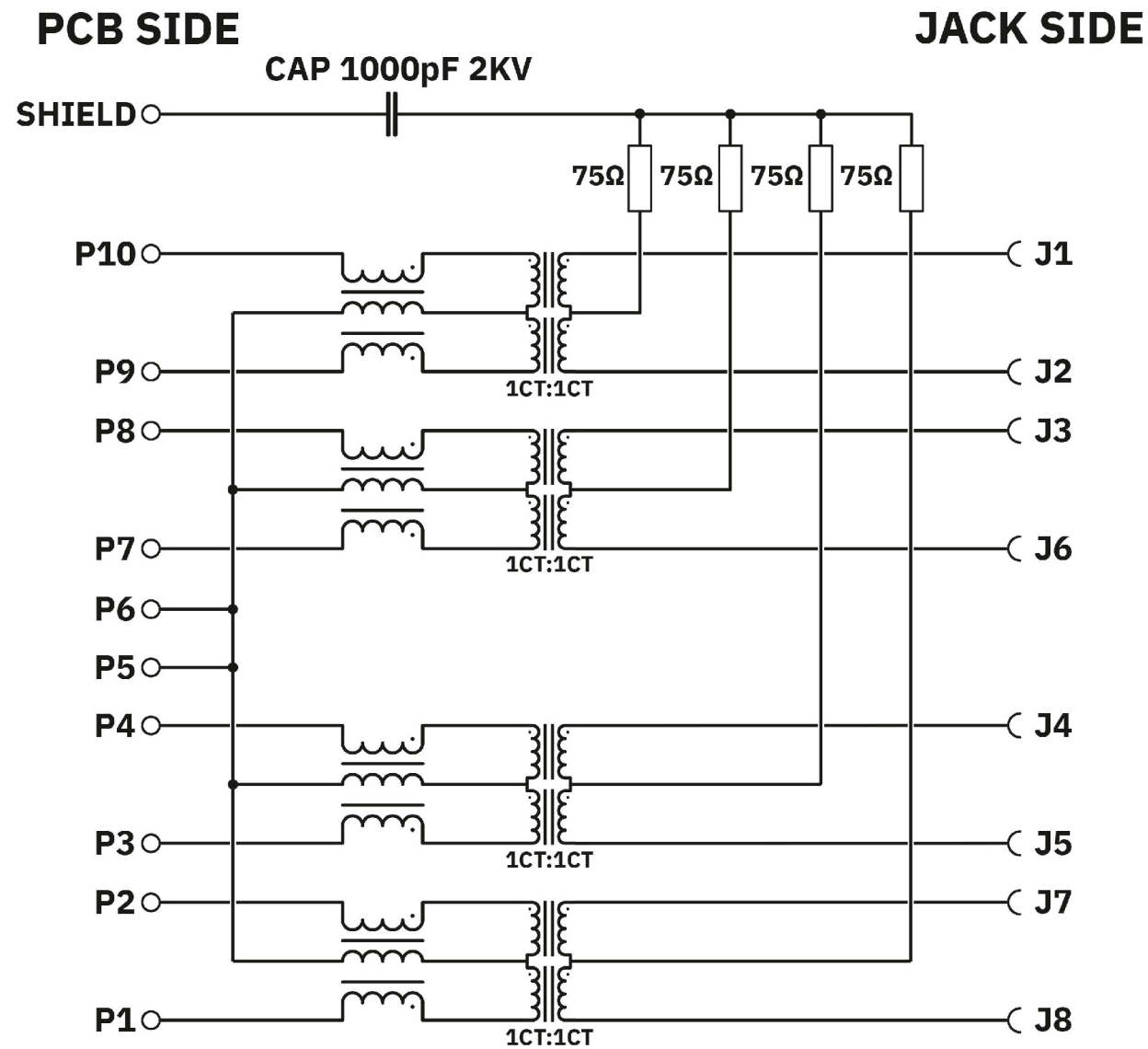
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scale
2:1

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

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ELECTRONICAL SPECIFICATIONS

1. ACCORDING TO IEEE 802.3

2. TURN RATIO @100KHz: (P10~P9):(J1~J2) = 1:1±5%
(P8~P7):(J3~J6) = 1:1±5%
(P4~P3):(J4~J5) = 1:1±5%
(P2~P1):(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: 1-125MHz -1,0dB TYP

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

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	date 07.11.2024	document-type TECDOC 2D_Productfamily	CUC-IB7G-J1ST-AT/R4T-L1	
page 2	of 2	description		