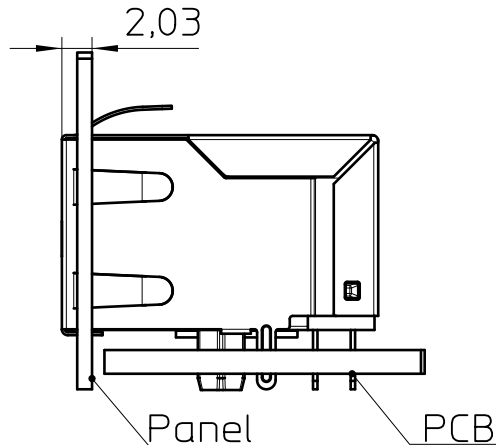
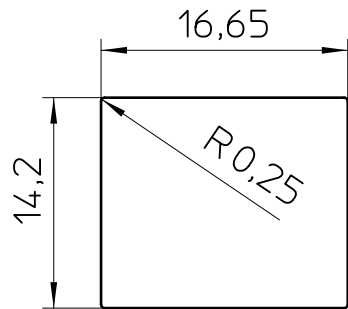


Transfer or duplication of this document as well as the utilisation or communication of its content are not permitted unless express consent is granted. Violations give rise to claims for damages. All rights reserved in case of patent, utility model or design patent registrations. Tolerance specifications do not include clearances inherent in the design.

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadensersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Designeintragung vorbehalten. Bauartbedingtes Spiel ist in den Toleranzangaben nicht berücksichtigt.

Recommended panel cutout



Phoenix Logo

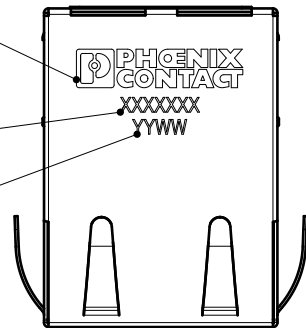
Lasered 2,6 mm H

Phoenix Part Number

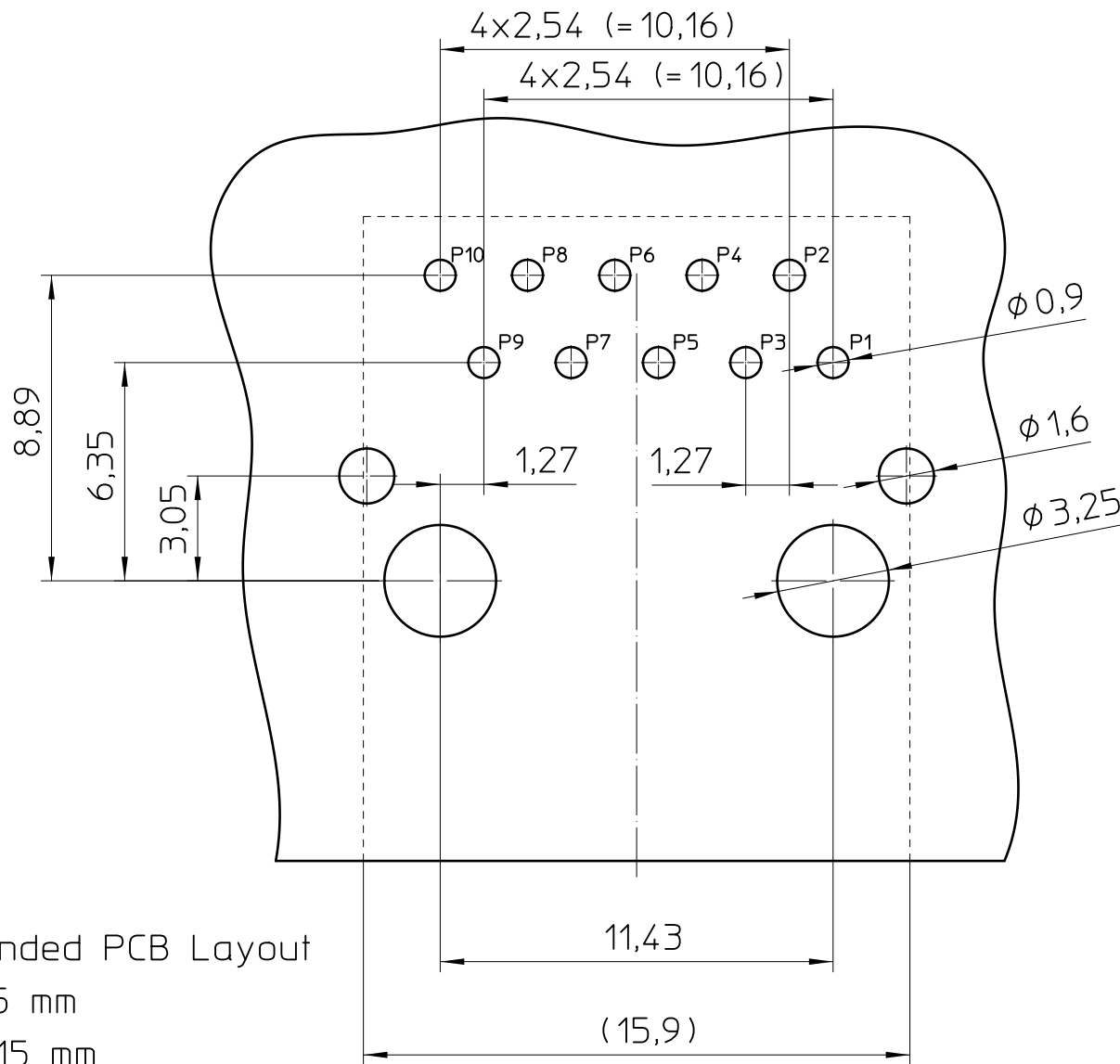
1 mm H

Date Code

1 mm H



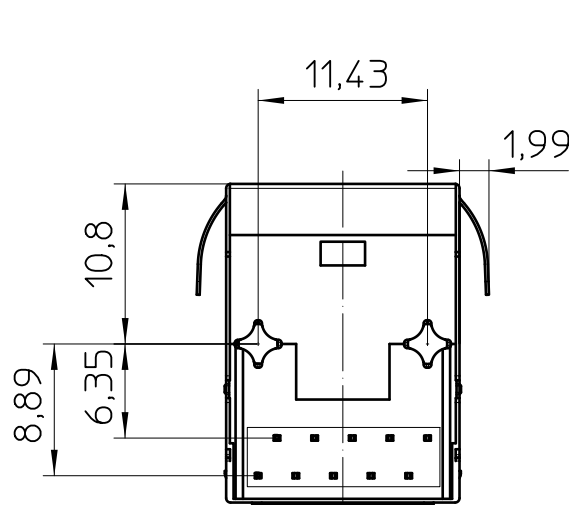
PCB drill hole dimensions (see from component side)



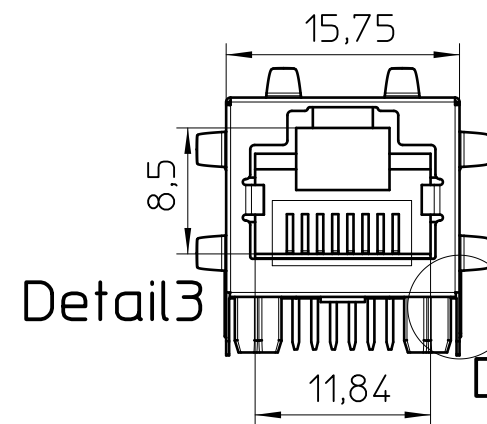
Recommended PCB Layout

Tol:  $\pm 0,05$  mm

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

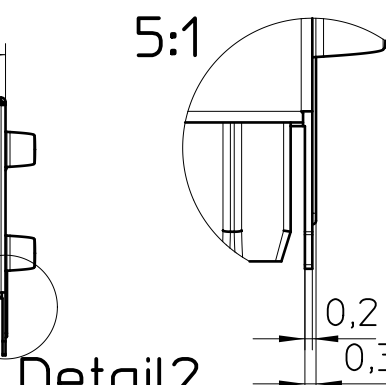


Detail1



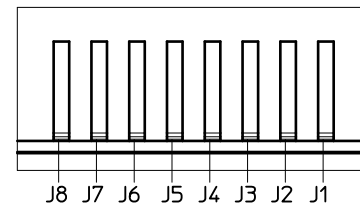
Detail3

Detail2



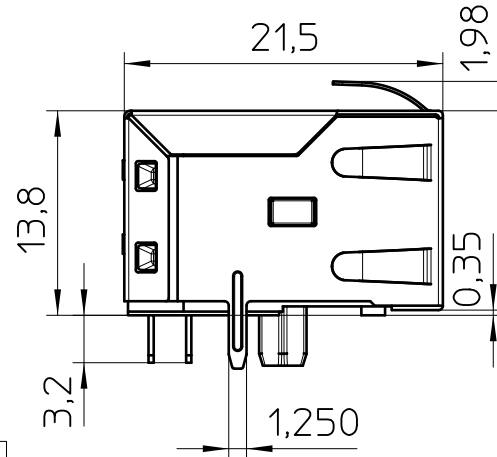
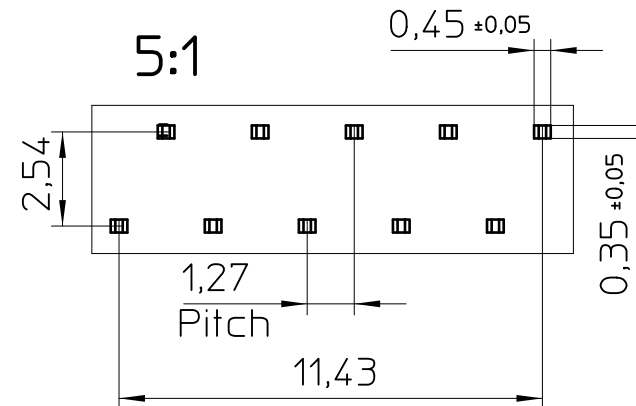
Detail3

5:1



Detail1

5:1



General Tolerances

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



page 1 of 2

document-no. / ri  
01759699 / 00 1664038

date  
07.11.2024

document-type  
TECDOC 2D\_Productfamily

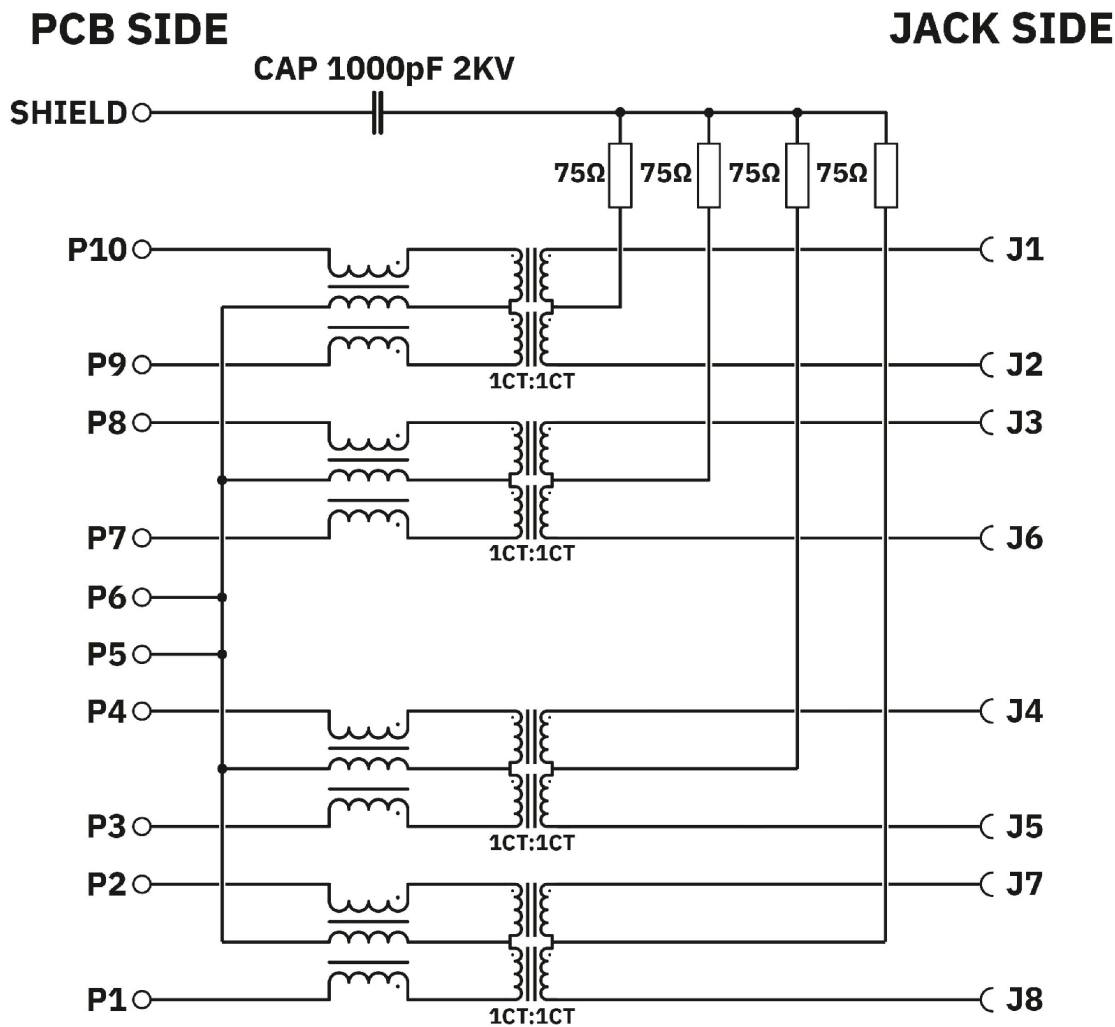
description  
CUC-IB7G-J1ST-AT/R4T-P

scale  
2:1

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

Transfer or duplication of this document as well as the utilisation or communication of its content are not permitted unless express consent is granted. Violations give rise to claims for damages. All rights reserved in case of patent, utility model or design patent registrations. Tolerance specifications do not include clearances inherent in the design.

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Designeintragung vorbehalten. Bauartbedingtes Spiel ist in den Toleranzangaben nicht berücksichtigt.



**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

|                                                                                              |                                    |                                          |                        |                                                                                                    |
|----------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------|
|  DIN A3 | document-no. / ri<br>01759699 / 00 | article-no.<br>1664038                   | scale<br>2:1           | - Simplified representation<br>- Document excluded from change process<br>- Linear dimensions [mm] |
|         | date<br>07.11.2024                 | document-type<br>TECDOC 2D_Productfamily | CUC-IB7G-J1ST-AT/R4T-P |                                                                                                    |
| page 2                                                                                       | of 2                               | description                              |                        |                                                                                                    |