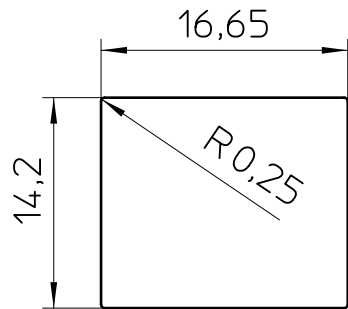


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Recommended panel cutout



Phoenix Logo

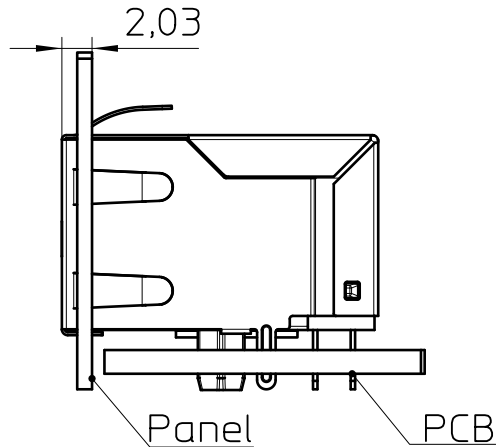
Lasered 2,6 mm H

Phoenix Part Number

1 mm H

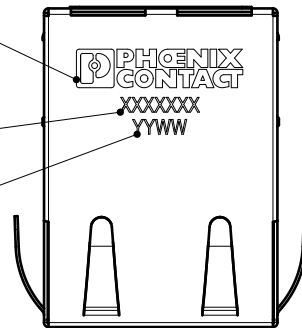
Date Code

1 mm H

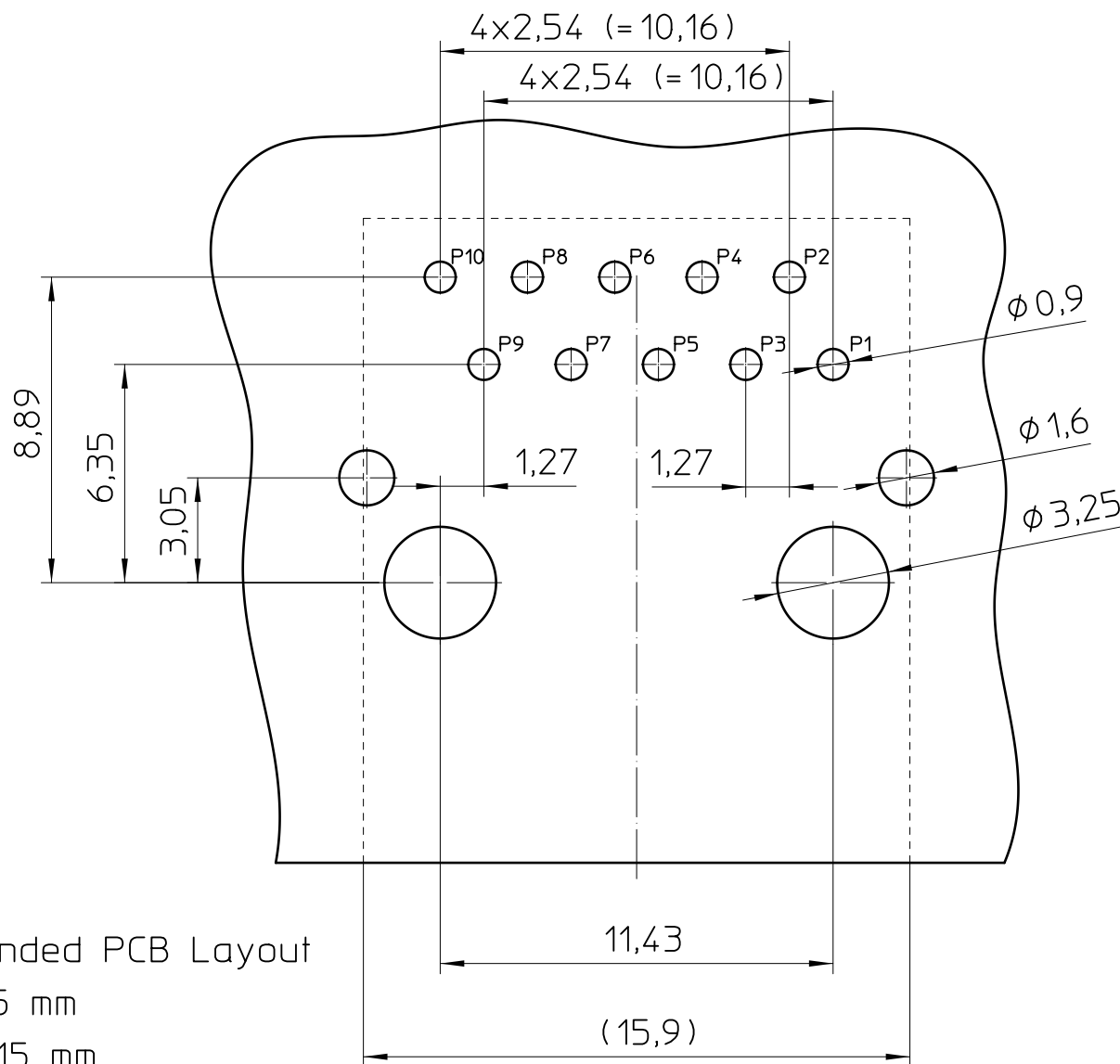


Panel

PCB



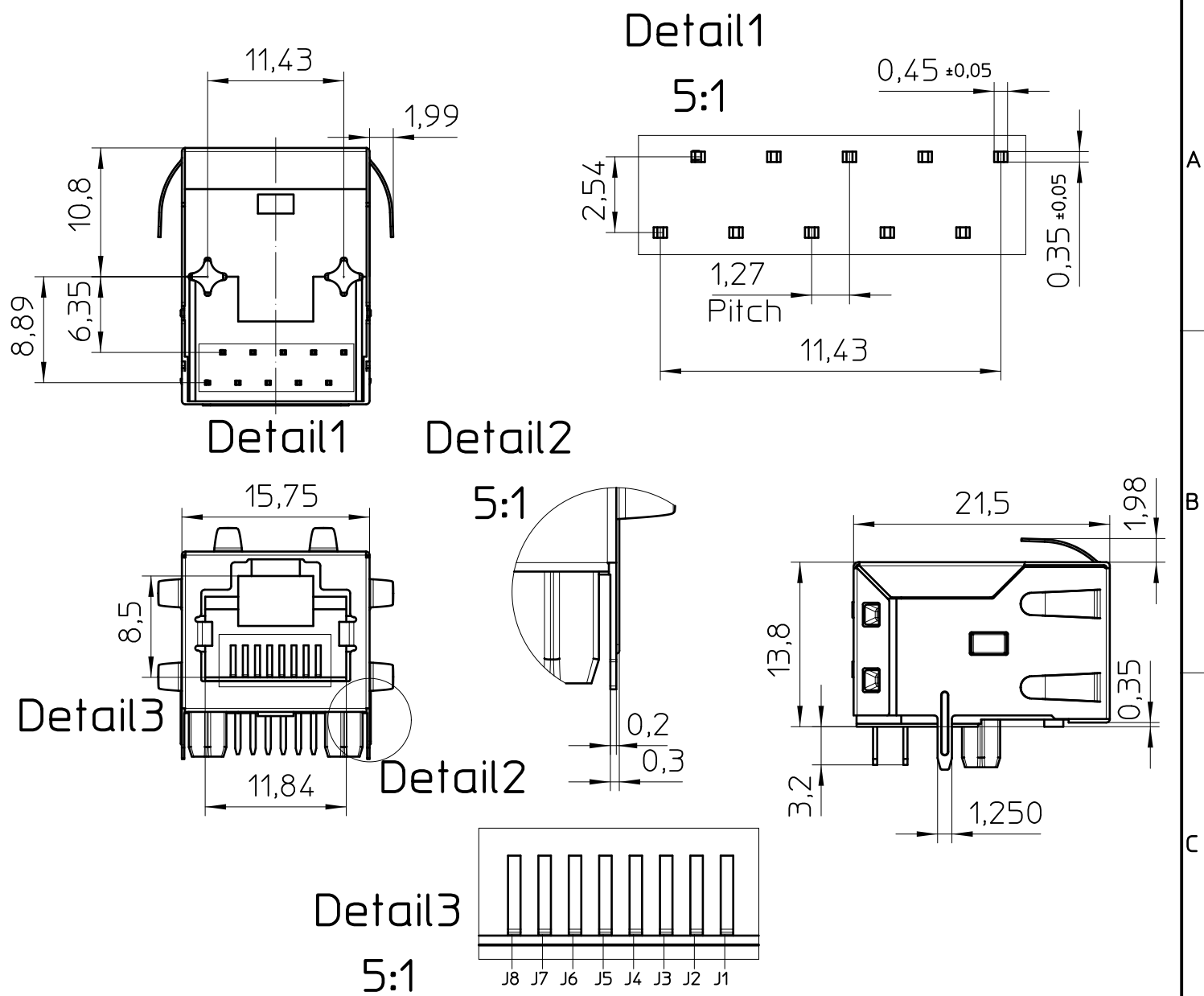
PCB drill hole dimensions (see from component side)



Recommended PCB Layout

Tol: $\pm 0,05$ mm

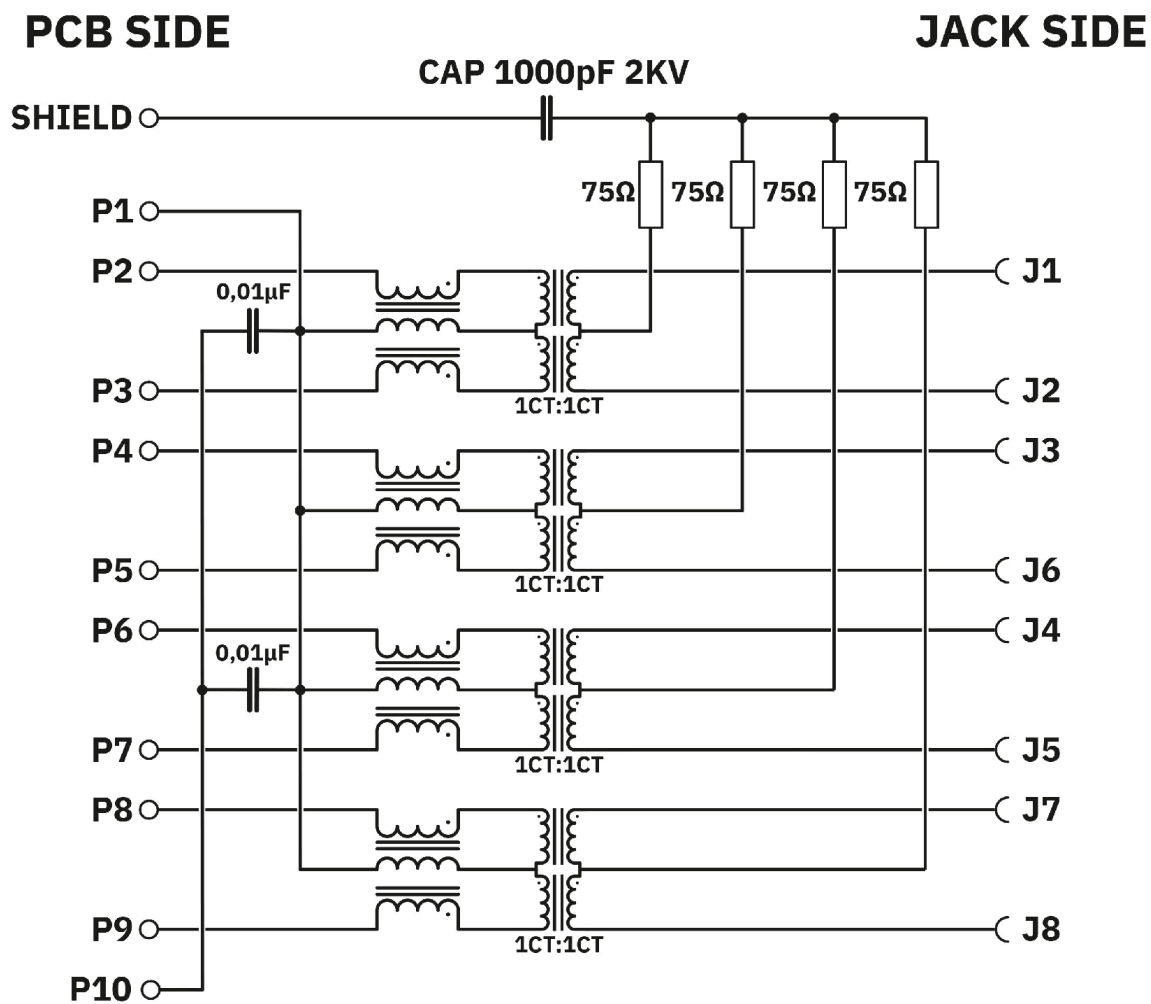
T=1,60 $\pm 0,15$ mm



General Tolerances		 DIN A3		document-no. / ri 01759703 / 00		article-no. 1664039		scale 2:1		- Simplified representation - Document excluded from change process - Linear dimensions [mm]
1 Decimal Place ±0,25				date 07.11.2024		document-type TECDOC 2D_Productfamily				
2 Decimal Places ±0,20				description CUC-IB8G-J1ST-AT/R4T-P						
3 Decimal Places ±0,15										
		page 1		of 2						

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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 01759703 / 00		article-no. 1664039		scale 2:1		- Simplified representation - Document excluded from change process - Linear dimensions [mm]	
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		description CUC-IB8G-J1ST-AT/R4T-P							
page 2		of 2							