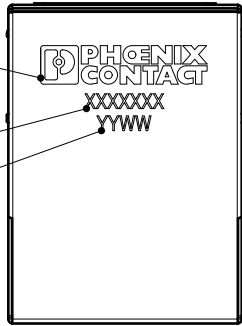
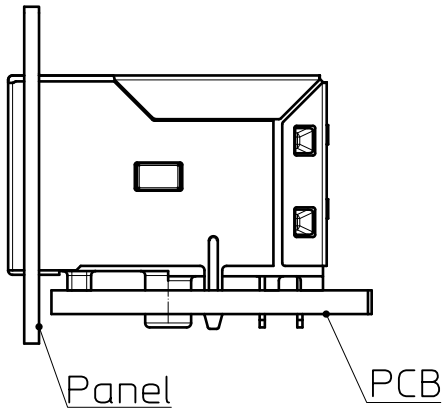
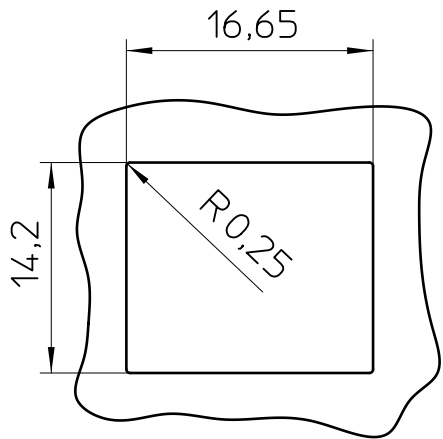


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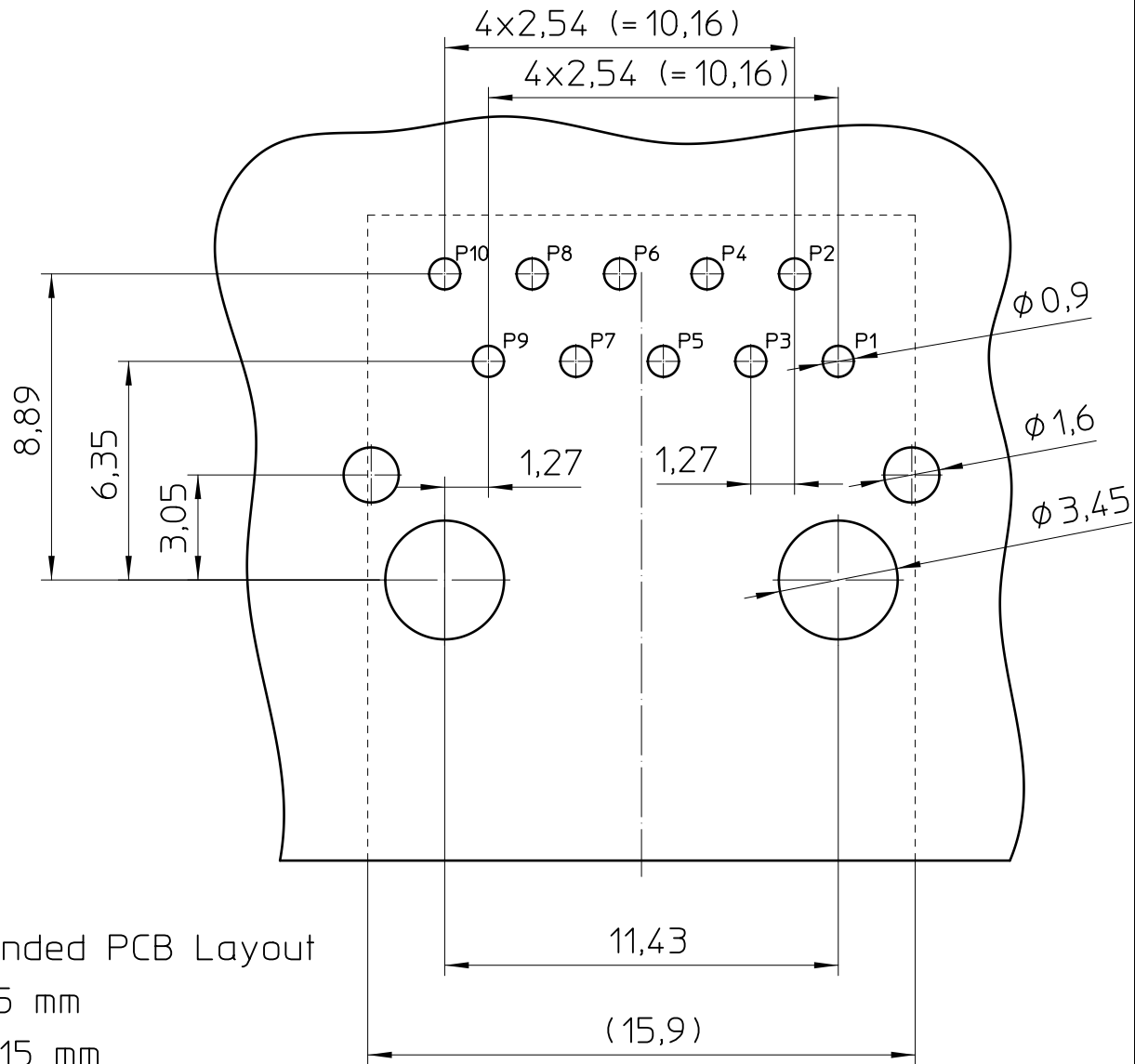
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Recommended panel cutout



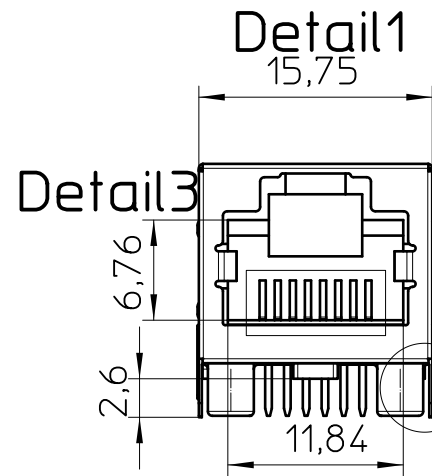
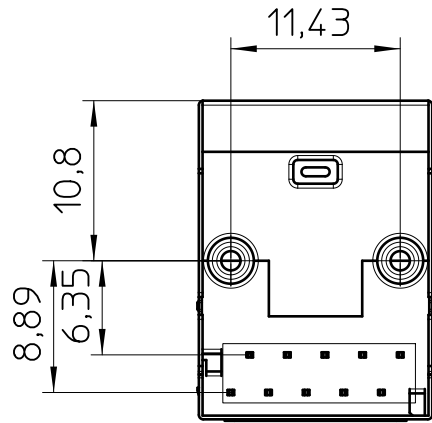
Phoenix Logo
Lasered 2,6 mm H
Phoenix Part Number
1 mm H
Date Code
1 mm H

PCB drill hole dimensions (see from component side)



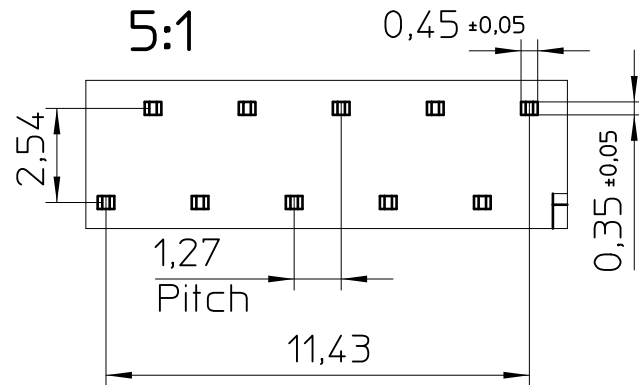
Recommended PCB Layout

Tol: $\pm 0,05$ mm
T: $1,60 \pm 0,15$ mm



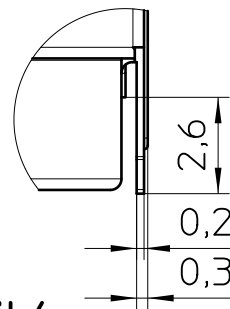
Detail1

5:1



Detail4

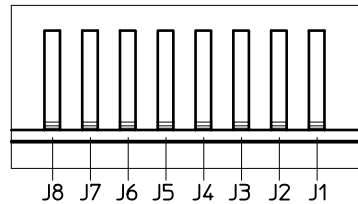
5:1



Detail4

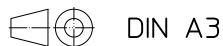
Detail3

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

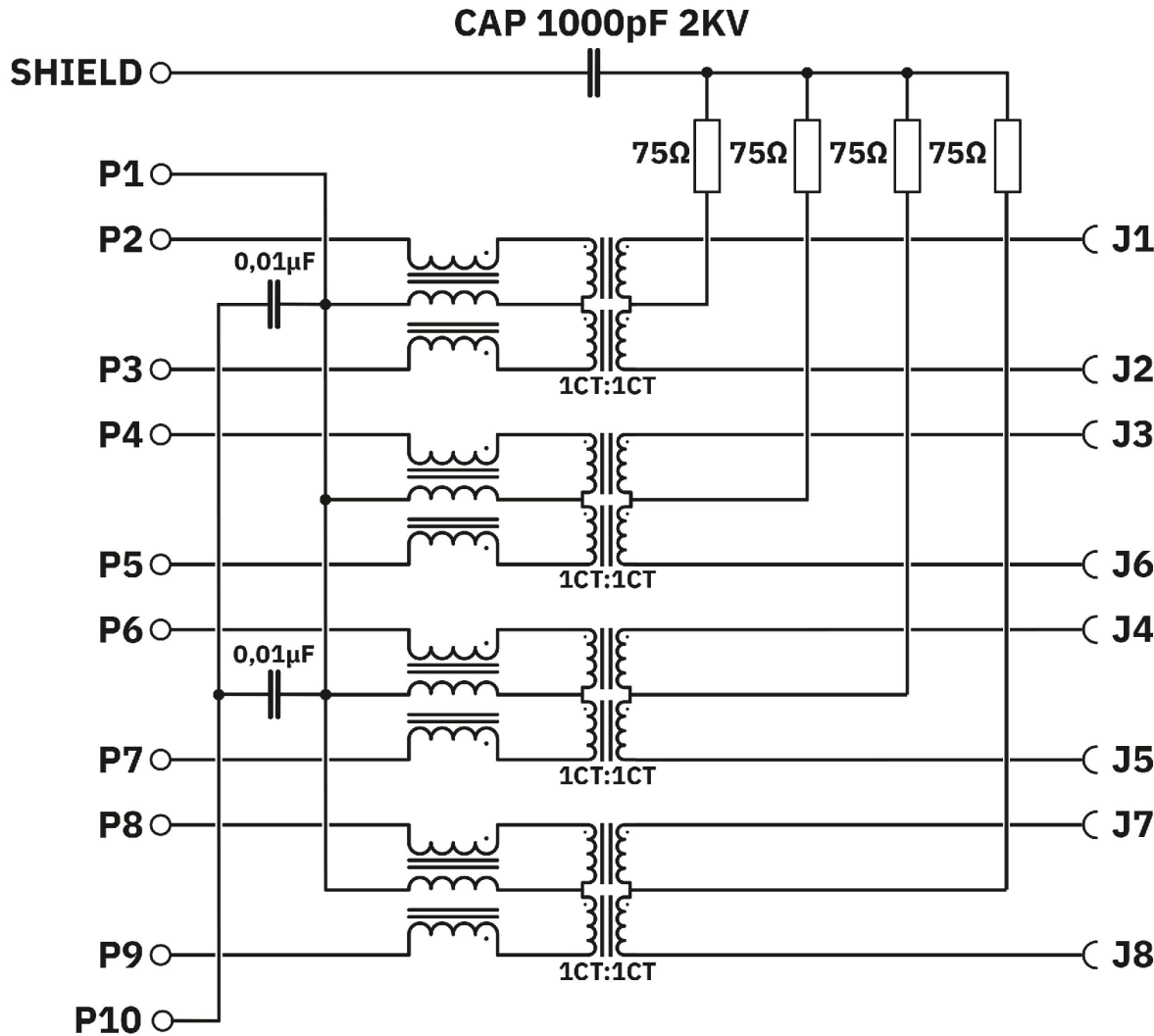
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date	document-type		
07.11.2024	TECDOC 2D_Productfamily		
description			CUC-IB8G-J1ST-AT/R4R

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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

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page 2	of 2	description CUC-IB8G-J1ST-AT/R4R			