

Board Layout
3:1

1) recommended drill hole $\varnothing 0,64 \pm 0,01\text{mm}$
(acc. to IEC 60352-5)
through hole dia. (after plating): $\varnothing 0,55 \pm 0,05$

2) non-metallized drillings
for alignment pegs

The drawing includes several views:

- Top View:** Shows the overall dimensions of the board, including a width of 74,8 ± 0,05 mm and a length of 69,3 ± 0,05 mm. It features a grid of pins numbered from 1 to 170. Key dimensions include 26 x 2,25 (=58,5) mm for the main pin array, 4 x 1,5 (=6) mm for side features, and 31,225 mm for a specific section.
- Side View A-A:** Provides a cross-sectional view of the board, showing the thickness and internal structure. Dimensions include 7,45 ± 0,05 mm for the top layer, 1,9 ± 0,08 mm for the core, and 5,8 ± 0,1 mm for the bottom layer.
- Bottom View:** Shows the underside of the board with dimensions like 84 x 0,75 (=63) mm and 0,75 mm for specific features.
- Connector Detail:** A detailed view of the connector interface, showing the centerline of the connector and the housing contour.

missing dimensions and information acc. to PICMG MicroTCA.0
(Micro Telecommunications Computing Architecture Base Specification)

Techn. Character.		Nicht tolerierte Maß / Free size tolerances	
Dat.	Name	Maßstab / Scale	
Detail.	25.09.09 hsv	2:1	AdvancedMC connector for MicroTCA 170 pole, press-fit with alignment pegs
Insp.	25.09.09 Lue.	3:1	
Stand.			
HARTING Electronics GmbH & Co. KG D-32339 ESPELKAMP		HARTING	TB 16 11 170 5206 000
Mod.	Dat.	Name	Sub.

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Board Layout

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(69,3)

26x [2,25] (=58,5)

4x [1,5] (=6)

[4,175]

[1,5]

[2,25]

Ø0,55 ± 0,05

1) all holes Ø0,05 M1 L1

L1

2x [1,5] (=3)

[1,5]

2) non-metallized drillings for alignment pegs

M1

Pos. 01

centerline of card slot

housing contour

row for ground

31,225

74,8 ± 0,05

A-A

F1

7,45 ± 0,05

1,9 ± 0,08

2,1 ± 0,2

12,85 ± 0,05

5,8 ± 0,1

4 x 1,5 (=6)

1,5

4,1 ± 0,2

2,25

26 x 2,25 (=58,5)

1,5

3

Ø2,2

69,3 ± 0,05

Pos. 86

Pos. 170

centerline of connector

Pos. 85

0,75

Pos. 1

84 x 0,75 (=63)

L1

missing dimensions and information acc. to PICMG MicroTCA.0
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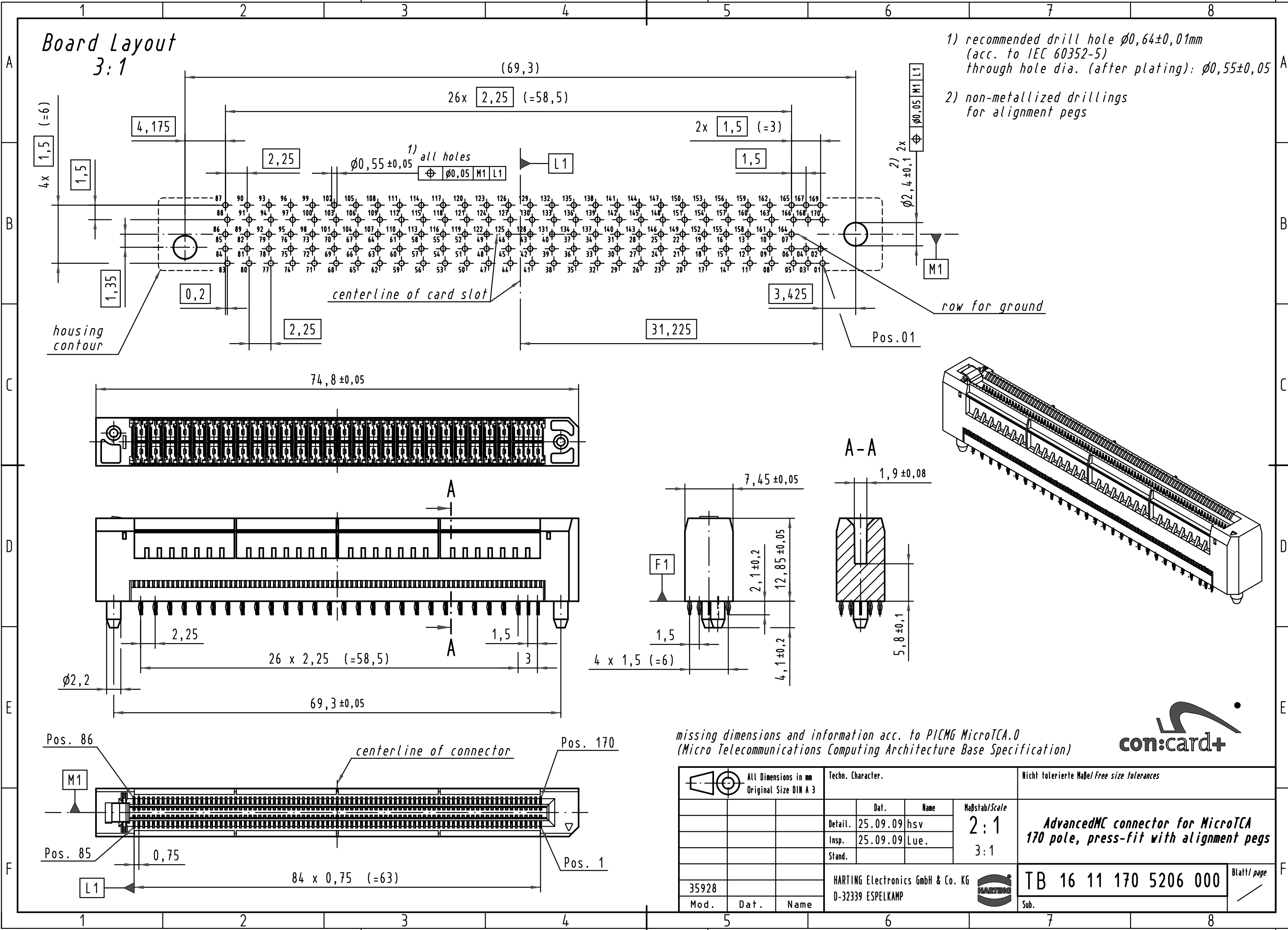
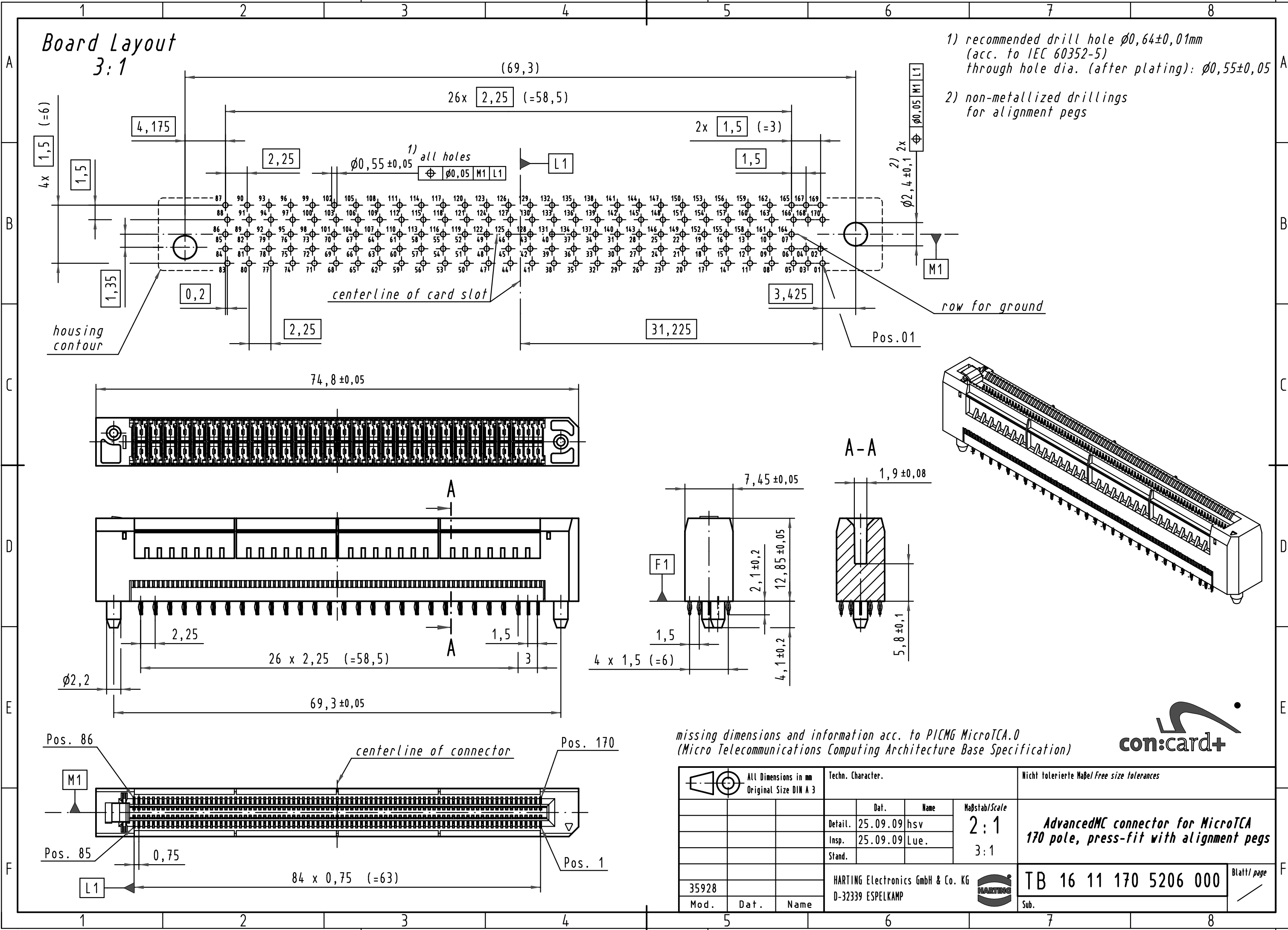
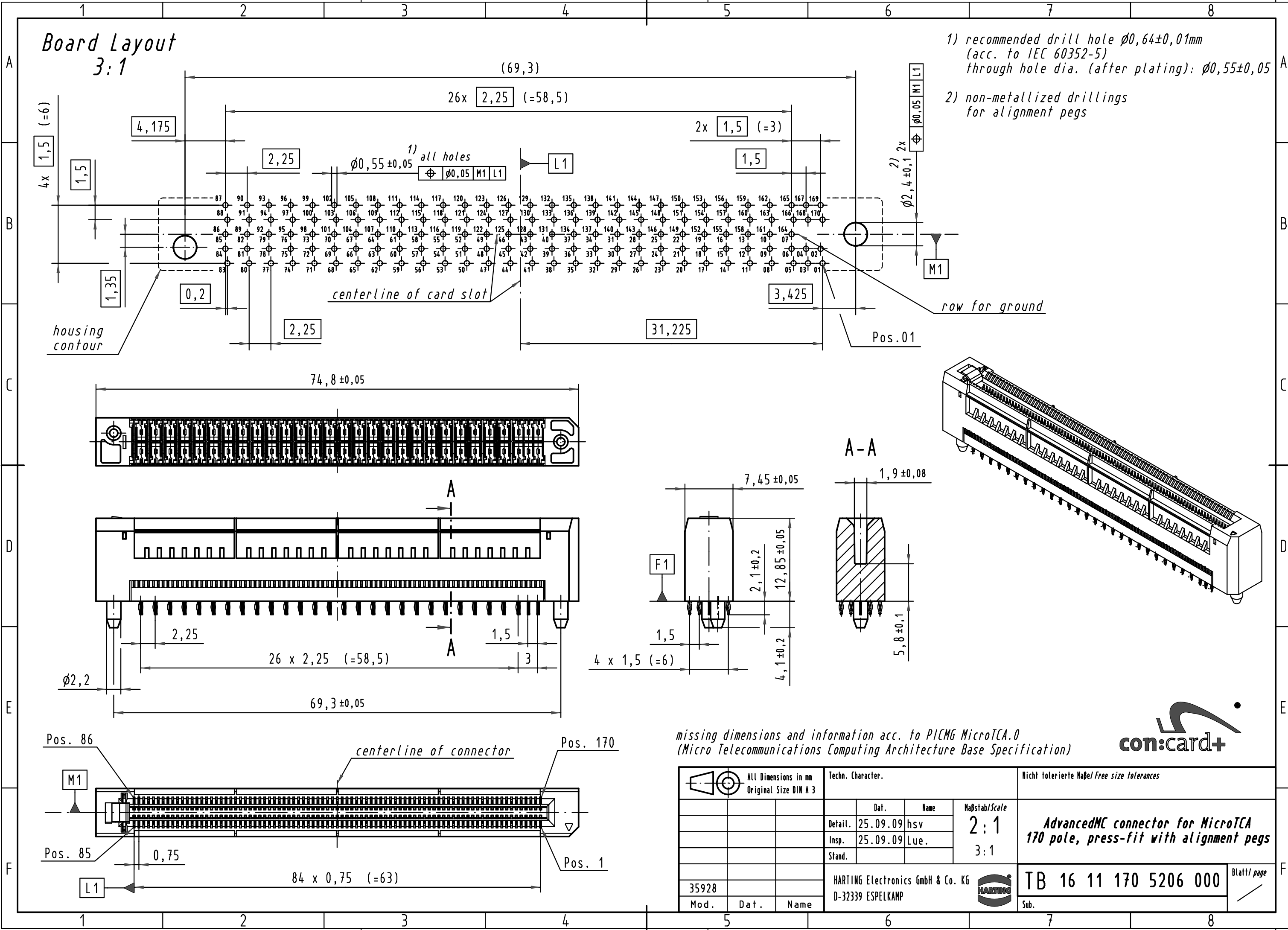
con:card+

Techn. Character.			Nicht tolerierte Maß / Free size tolerances	
All Dimensions in mm Original Size DIN A 3	Dat.	Name	AdvancedMC connector for MicroTCA 170 pole, press-fit with alignment pegs	
	Detail.	Maßstab/Scale		
	Insp.	2:1		
	Stand.	3:1		
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Mod.	Dat.	Name	Sub.	Blatt / page

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[illegible]

Board Layout 3:1

Top view of the board layout showing dimensions and pin positions. The board is 69,3 mm wide and 84 x 0,75 (=63) mm long. The layout includes a grid of pins numbered 1 to 170, with specific callouts for alignment holes (L1, M1) and a row for ground. Dimensions include 26 x 2,25 (=58,5) for the pin grid, 4,175 for the housing contour, and 31,225 for the distance from the centerline of the card slot to the right edge. A note indicates that all holes are recommended to be $\varnothing 0,55 \pm 0,05$ mm.

- 1) recommended drill hole $\varnothing 0,64 \pm 0,01\text{mm}$
(acc. to IEC 60352-5)
through hole dia. (after plating): $\varnothing 0,55 \pm 0,05$
- 2) non-metallized drillings
for alignment pegs

Side view of the board layout showing dimensions. The board is 74,8 $\pm 0,05$ mm high. The layout includes a grid of pins numbered 1 to 170, with specific callouts for alignment holes (L1, M1) and a row for ground. Dimensions include 26 x 2,25 (=58,5) for the pin grid, 4,175 for the housing contour, and 31,225 for the distance from the centerline of the card slot to the right edge.

Front view of the board layout showing dimensions and pin positions. The board is 69,3 $\pm 0,05$ mm wide and 84 x 0,75 (=63) mm long. The layout includes a grid of pins numbered 1 to 170, with specific callouts for alignment holes (L1, M1) and a row for ground. Dimensions include 26 x 2,25 (=58,5) for the pin grid, 4,175 for the housing contour, and 31,225 for the distance from the centerline of the card slot to the right edge.

Detail A-A of the board layout showing dimensions. The detail shows a cross-section of the board with dimensions: 7,45 $\pm 0,05$ mm for the top width, 1,9 $\pm 0,08$ mm for the top thickness, 2,1 $\pm 0,2$ mm for the internal width, 12,85 $\pm 0,05$ mm for the internal height, 1,5 mm for the bottom width, 4,1 $\pm 0,2$ mm for the bottom thickness, and 5,8 $\pm 0,1$ mm for the bottom height. A note indicates that the dimensions are for a 4 x 1,5 (=6) mm grid.

3D perspective view of the board layout showing dimensions. The board is 74,8 $\pm 0,05$ mm high. The layout includes a grid of pins numbered 1 to 170, with specific callouts for alignment holes (L1, M1) and a row for ground. Dimensions include 26 x 2,25 (=58,5) for the pin grid, 4,175 for the housing contour, and 31,225 for the distance from the centerline of the card slot to the right edge.

missing dimensions and information acc. to PICMG MicroTCA.0
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