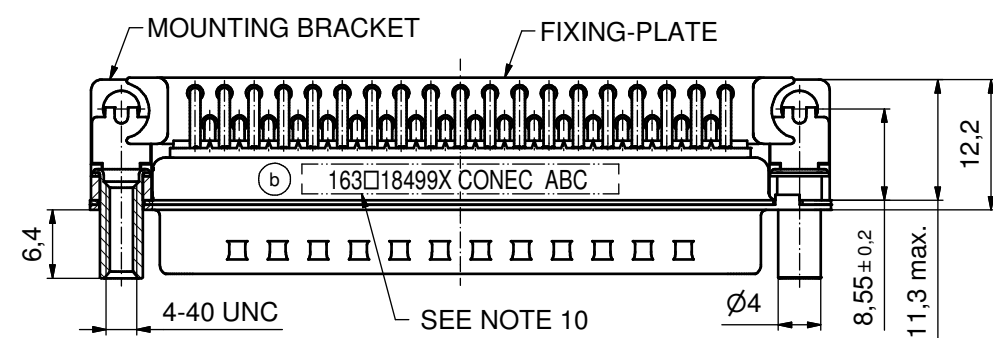
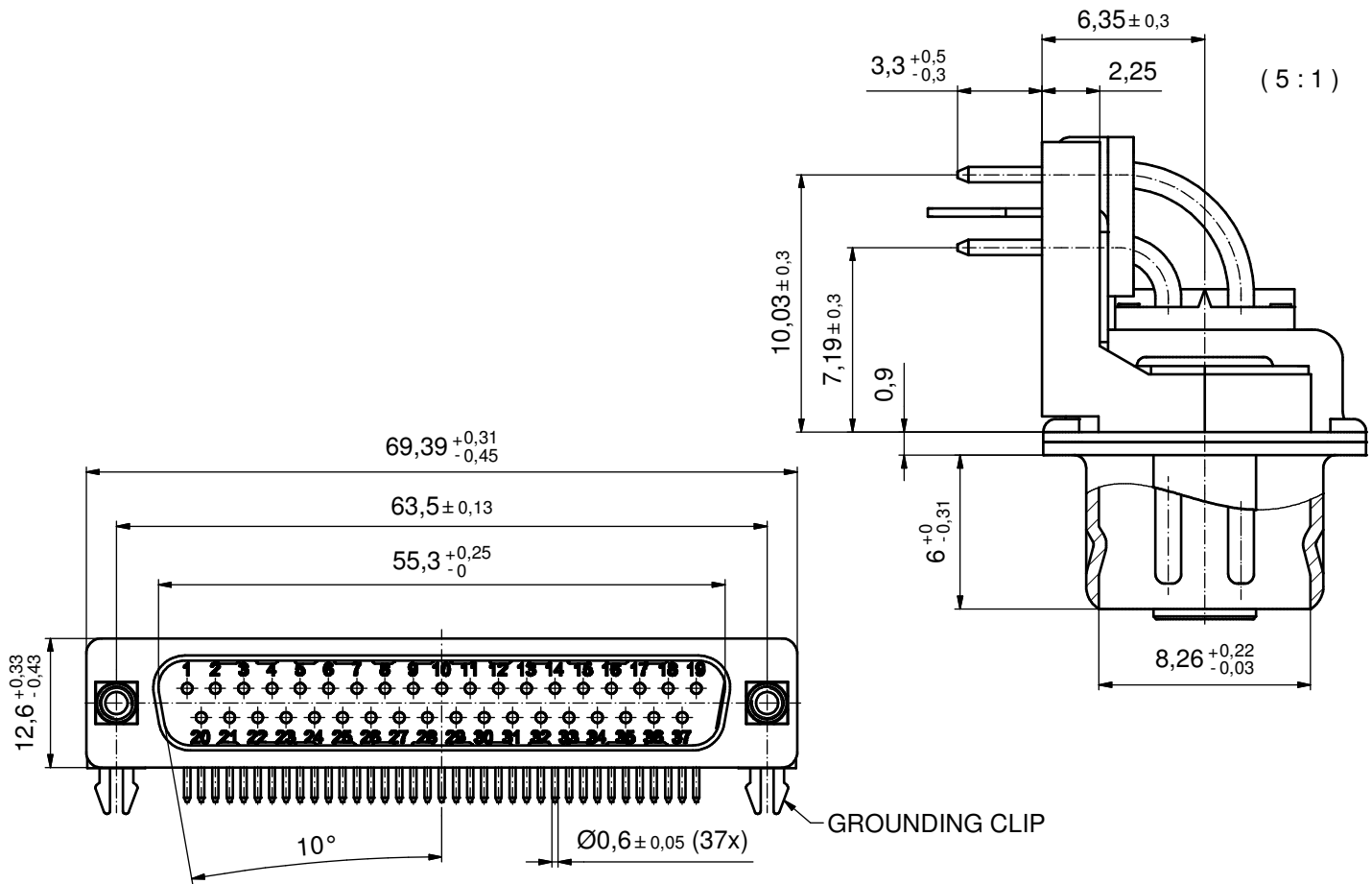
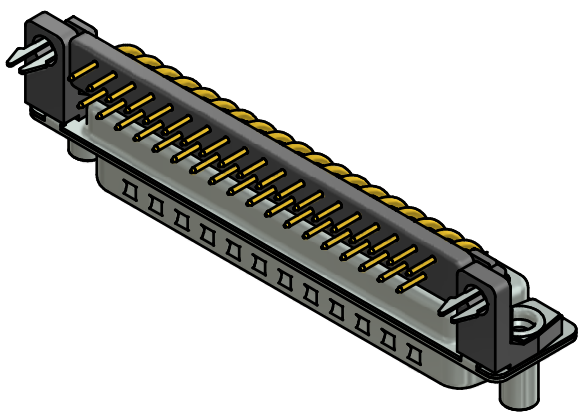


- NOTES:
1. METAL SHELLS: STEEL; min. 315µm TIN over 40-80µm NICKEL
  2. INSULATORS: PBT GF UL 94 V-0, BLACK
  3. CONTACTS: COPPER ALLOY  
PLATING (SEE PART NO.):
    - PLEASE ADD A for GOLD FLASH over NICKEL (PREFERRED TYPE)
    - PLEASE ADD B for 20µm HARD GOLD over min. 50µm NICKEL
    - PLEASE ADD C for 30µm HARD GOLD over min. 50µm NICKEL
  4. MOUNTING BRACKETS: PBT GF UL 94 V-0; BLACK
  5. THREADED LOCKS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
  6. GROUNDING CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL  
PCB-HOLE: Ø3,1±0,1; PCB THICKNESS 1,6mm
  7. FIXING-PLATE: PBT GF UL 94 V-0; BLACK
  8. PCB HOLE DRILLINGS ON SHEET 2
  9. MAXIMUM TORQUE VALUE FOR THREAD: 6 in.LB
  10. CONNECTOR IS PART MARKED: 163 18499X CONEC ABC (see note 3)



|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|------|--------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|-----------------------|-------------------------|--------------|--------------|--|--|--|--|--|
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|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             | material: |  | SEE NOTES             |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | dim. in mm                                                                           |                     | title:<br><br>D-SUB MALE 90°<br><br>37pos. SOLDER PIN ANGLED 0.318inch<br>with threaded lock, mounting bracket,grounding clip, fixing-plate |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | date                                                                                 | name                | dwg no:                                                                                                                                     |           |  | DIN-<br>A3<br>sh: 1/2 |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | drawn                                                                                | 25.09.15            |                                                                                                                                             |           |  |                       |                         | Henneboel    |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | appd.                                                                                | 25.09.15            |                                                                                                                                             |           |  |                       |                         | Lehmenkühler |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | norm                                                                                 |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | d-old                                                                                | 16K1A1336/16K1A1703 |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
| DO NOT ALTER CAD DRAWING BY HAND                                                                                                                                                 |             |      |      |  |                     |                                                                                                                                             |           |  |                       | (b) 16K1A3714           |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
|                                                                                                                                                                                  |             |      |      | 4 x b                                                                                | Ä5826               | 25.09.2015                                                                                                                                  | K.H.      |  |                       |                         |              |              |  |  |  |  |  |
| a                                                                                                                                                                                | Original    |      |      |                                                                                      |                     |                                                                                                                                             |           |  |                       |                         |              |              |  |  |  |  |  |
| rev.                                                                                                                                                                             | description | date | name |                                                                                      |                     |                                                                                                                                             |           |  |                       | part no: (b) 163□18499X |              | (see note 3) |  |  |  |  |  |

RoHS compliant

P.C.B. HOLE DRILLINGS  
( P.C.B. TOP SIDE )

Technical drawing of P.C.B. hole drillings (P.C.B. TOP SIDE). The drawing shows a rectangular layout of holes with various dimensions and tolerances.

**Dimensions and Tolerances:**

- Overall width:  $63,5 \pm 0,13$
- Overall height:  $9,45$
- Left hole diameter:  $\varnothing 3,1 \pm 0,1$  (2x)
- Right hole diameter:  $\varnothing 1 \pm 0,1$  (37x)
- Horizontal dimensions (from left edge):
  - $24,84 \pm 0,1$
  - $22,1 \pm 0,1$
  - $19,33 \pm 0,1$
  - $16,56 \pm 0,1$
  - $13,82 \pm 0,1$
  - $11,05 \pm 0,1$
  - $8,28 \pm 0,1$
  - $5,54 \pm 0,1$
  - $2,77 \pm 0,1$
- Vertical dimensions (from top edge):
  - $1,4 \pm 0,1$
  - $4,14 \pm 0,1$
  - $6,91 \pm 0,1$
  - $9,68 \pm 0,1$
  - $12,42 \pm 0,1$
  - $15,19 \pm 0,1$
  - $17,96 \pm 0,1$
  - $20,7 \pm 0,1$
  - $23,47 \pm 0,1$
- Bottom dimensions:  $8,09 \pm 0,1$  and  $2,84 \pm 0,1$

**Labels:**

- P.C.B. EDGE
- 1

|                                                                                                                                                                                                             |  |  |  |           |                       |                                                                                                                                                 |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
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|                                                                                                                                                                                                             |  |  |  |           |                       |                                                                                                                                                 | material: SEE SHEET 1 |
|                                                                                                                                                                                                             |  |  |  | date      | name                  | title:<br><b>P.C.B. HOLE DRILLINGS</b><br>D-SUB MALE 90° 37pos. 0.318inch<br>with threaded lock, mounting bracket, grounding clip, fixing-plate |                       |
|                                                                                                                                                                                                             |  |  |  | drawn     | 25.09.15 Henneboel    |                                                                                                                                                 |                       |
|                                                                                                                                                                                                             |  |  |  | appd.     | 25.09.15 Lehmenkühler |                                                                                                                                                 |                       |
|                                                                                                                                                                                                             |  |  |  | norm      |                       |                                                                                                                                                 |                       |
|                                                                                                                                                                                                             |  |  |  | d-old     |                       |                                                                                                                                                 |                       |
|                                                                                                                                                                                                             |  |  |  | a         | Original              | dwg no: 16K1A3714<br>DIN-A3<br>sh: 2/2                                                                                                          |                       |
|                                                                                                                                                                                                             |  |  |  | rev.      | description           |                                                                                                                                                 |                       |
|                                                                                                                                                                                                             |  |  |  | date      | name                  | part no: SEE SHEET 1                                                                                                                            |                       |

|                                                                                                                                                                                  |      |             |      |      |                                                                                      |                                                                                                     |                                                                                                                                              |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|------|------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------|
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|                                                                                                                                                                                  |      |             |      |      |                                                                                      |                                                                                                     | material: SEE SHEET 1                                                                                                                        |        |
|                                                                                                                                                                                  |      |             |      |      | date                                                                                 | name                                                                                                | title:<br><br>P.C.B. HOLE DRILLINGS<br>D-SUB MALE 90° 37pos. 0.318inch<br>with threaded lock, mounting bracket, grounding clip, fixing-plate |        |
|                                                                                                                                                                                  |      |             |      |      | drawn 25.09.15                                                                       | Henneboel                                                                                           |                                                                                                                                              |        |
|                                                                                                                                                                                  |      |             |      |      | appd. 25.09.15                                                                       | Lehmenkühler                                                                                        |                                                                                                                                              |        |
|                                                                                                                                                                                  |      |             |      |      | norm                                                                                 |                                                                                                     |                                                                                                                                              |        |
|                                                                                                                                                                                  |      |             |      |      | d-old                                                                                |                                                                                                     |                                                                                                                                              |        |
|                                                                                                                                                                                  |      |             |      |      |  |                                                                                                     | dwg no:                                                                                                                                      | DIN-A3 |
|                                                                                                                                                                                  | a    | Original    |      |      |                                                                                      |                                                                                                     |                                                                                                                                              |        |
|                                                                                                                                                                                  | rev. | description | date | name |                                                                                      |                                                                                                     | part no: SEE SHEET 1                                                                                                                         |        |