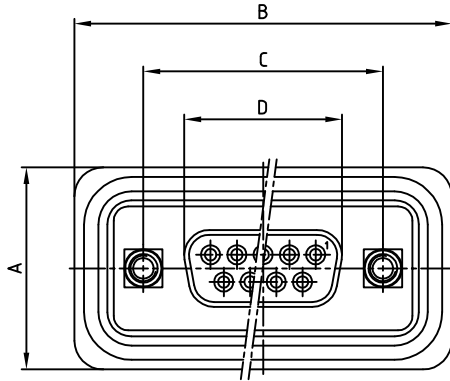


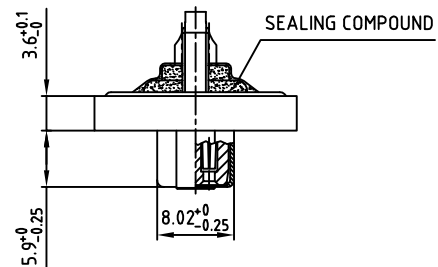
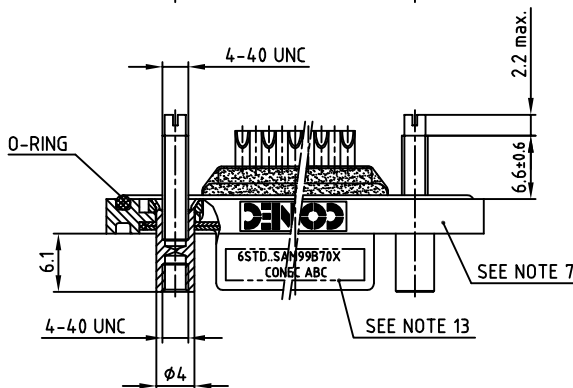
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.

used for: D-SUB

No. of pos.	A ± 0.2	B ± 0.2	C	D ± 0.25	PART NO.
9	21.1	39.4	25.00 ± 0.12 ± 0.13	16.46	6STD09SAM99B70X
15	21.1	47.7	33.30 ± 0.15 ± 0.1	24.79	6STD15SAM99B70X
25	21.1	61.4	47.04 ± 0.13	38.50	6STD25SAM99B70X
37	21.1	77.9	63.50 ± 0.13	54.96	6STD37SAM99B70X



CONNECTOR WILL BE SUPPLIED WITH:
2 x NUTS
2 x FLAT WASHERS
2 x SPRING WASHERS



NOTES:

- RECOMMENDED SOLDER INSTRUCTION SEE SHEET 2
- METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
- INSULATORS: PBT GF UL 94 V-0, BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
SOLDER CUP ACCEPTS CABLE AWG 20
- THREADED LOCKS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
- COLLARS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
- FRAME: ZINC DIECAST; NICKEL PLATED
- STUD BOLTS / 4-40 UNC: STEEL
- O-RING: SILICON; BLUE
- SEALING COMPOUND: PUR; BLUE
- RECOMMENDED PANEL CUT-OUT ON SHEET 2
- RECOMMENDED TORQUE FOR STUD BOLT 35N cm (3.1 in.LB) 7 max. 40N cm (3.5 in.LB)
- CONNECTOR IS PART MARKED: **PART-NO. CONEC ABC**

Directive 2002/95/EC RoHS compliant

THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND

				tolerance		 dim. in mm	
				2005	date	name	
				drawn	04.07.	Lehmenkühler	
				appd.	04.07.	Kühle	
				norm	DIN 41652		
				d-old			
3 x b	Ä3880	26.01.2011	K.H.				
a	Origin						
rev.	description	date	name				

CONEC

	6	5	4	3	2	1
					used for:	D-SUB
H						
G						
F						
E						
D						
C						
B						
A						

(b)

Solder Instruction

1. Cable should be prepared for soldering. The cable/wires must be pretinned.
2. Insert cable/wire into solder cup.
3. Operate the soldering iron at 350°C, 50 Watt max. and use a pencil tip.
4. Put tip to wire in solder cup.
5. After 1 second bring in solder.
6. Heat for 3 seconds longer. Do not heat contact more than 4 seconds in total.
7. Remove soldering iron.
8. Wait until solder gets rigid again.
9. Do not solder adjacent contacts consecutively,
alternate position within the connector to minimize heat build up.

Recommended Panel Cut-Out

POS.	A ±0.1	B ±0.1	C ±0.1
1	20.9	25.00	13.0
2	29.2	33.30	13.0
3	42.9	47.04	13.0
4	59.4	63.50	13.0

THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND				tolerance			scale: 2:1		
				dim. in mm			material: SEE SHEET 1		
				2005	date	name	title: PANEL CUT-OUT D-SUB FEMALE 9-37pos. SOLDER CUP with threaded lock and 4-40 UNC stud bolt		
				drawn	04.07.	Lehmenkühle			
				appd.	04.07.	Kühle			
				norm					
				d-old					
	a	Origin					dwg no: 18K1A365		DIN-A 3
	rev.	description	date				name	part no: SEE SHEET 1	

1. Cable should be prepared for soldering. The cable/wires must be pretinned.
2. Insert cable/wire into solder cup.
3. Operate the soldering iron at 350°C, 50 Watt max. and use a pencil tip.
4. Put tip to wire in solder cup.
5. After 1 second bring in solder.
6. Heat for 3 seconds longer. Do not heat contact more than 4 seconds in total.
7. Remove soldering iron.
8. Wait until solder gets rigid again.
9. Do not solder adjacent contacts consecutively, alternate position within the connector to minimize heat build up.

Technical drawing of a mechanical part with dimensions and tolerances. The drawing shows a side view of a component with a central hole. The dimensions and tolerances are as follows:

- Overall width: $0.20 \pm A$
- Overall height: $0.20 \pm B$
- Radius: $R2.10 \pm 0.13$
- Distance from left edge to center of hole: A
- Distance from right edge to center of hole: B
- Distance from top edge to center of hole: C
- Distance from bottom edge to center of hole: C
- Angle: $2 \times$
- Surface finish: $\phi 2.8^{+0.1}_{-0}$

POS.	A ± 0.1	B ± 0.1	C ± 0.1
1	20.9	25.00	13.0
2	29.2	33.30	13.0
3	42.9	47.04	13.0
4	59.4	63.50	13.0

THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND				tolerance		 dim. in mm	scale: 2:1		A	
							material: SEE SHEET 1			
				2005	date	name	title: PANEL CUT-OUT D-SUB FEMALE 9-37pos. SOLDER CUP with threaded lock and 4-40 UNC stud bolt			
				drawn	04.07.	Lehmenkühle				
				appd.	04.07.	Kühle				
				norm						
				d-old				dwg no:		
							DIN-A 3			
	a	Origin					sh:2/2			
	rev.	description	date				name	part no: SEE SHEET 1		