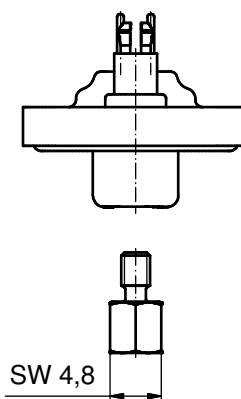
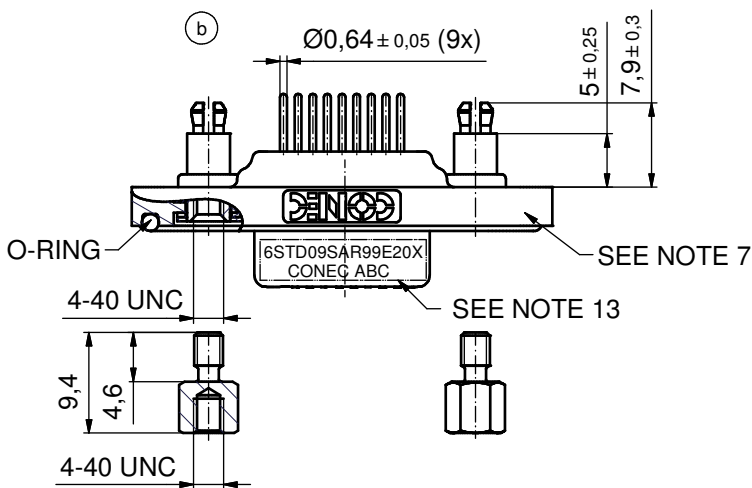
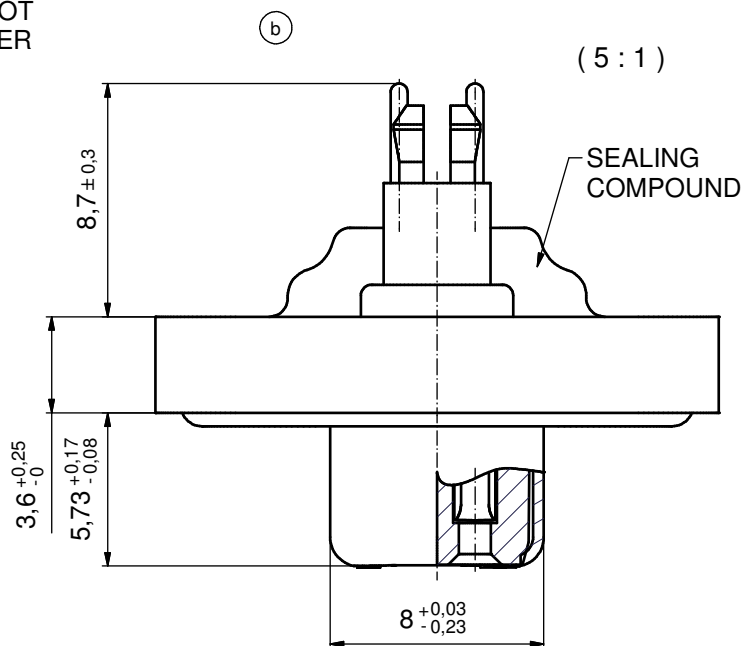
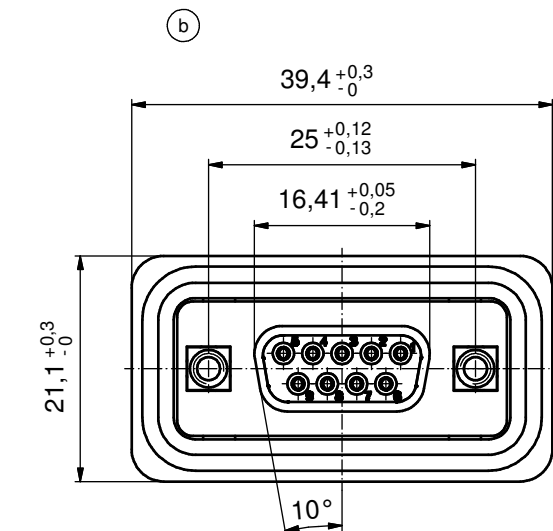
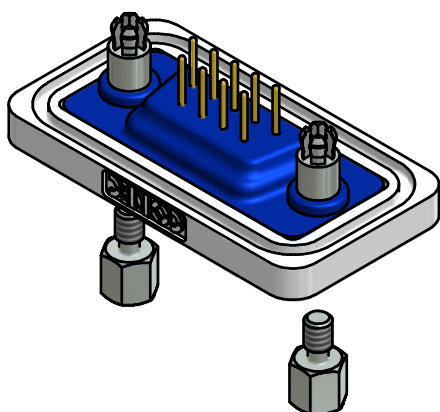


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



NOTES:

- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: $\phi 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
- COLLARS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
- FRAME: ZINC DIE CAST; NICKEL PLATED
- O-RING: SILICON; BLUE
- SEALING COMPOUND: PUR; BLUE
- HEXLOCKING SCREWS: STAINLESS STEEL
- P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
- RECOMMENDED TORQUE FOR MOUNTING SCREW 35Ncm (3.1 in.LB) / max. 40Ncm (3.5 in.LB)
- CONNECTOR IS PART MARKED: [6STD09SAR99E20X CONEC ABC]



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 (5:1)			
							material:	SEE NOTES			
								date	name	title: D-SUB FEMALE 9pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw	
								drawn	29.01.04		
				appd.	29.01.04	Mickenbecker					
					norm	DIN 41652	dwg no: 18K2A244 (b)sh:1/8				
				d-old							
5 x b	Ä4141	26.10.2011	K.H.								
a	Original						part no:		6STD09SAR99E20X		
rev.	description	date	name								

Technical drawing of a mechanical part showing dimensions and tolerances. The drawing includes a central horizontal section with two circular features on the left and right, and a series of vertical lines representing a central shaft or hole. The dimensions are as follows:

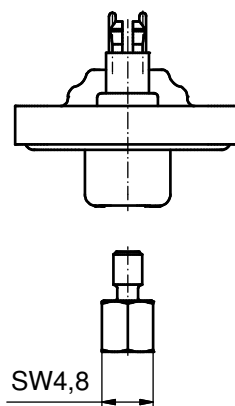
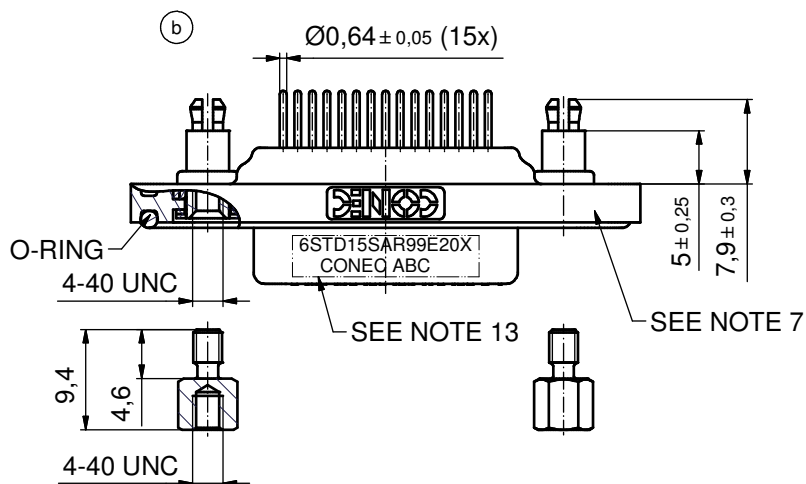
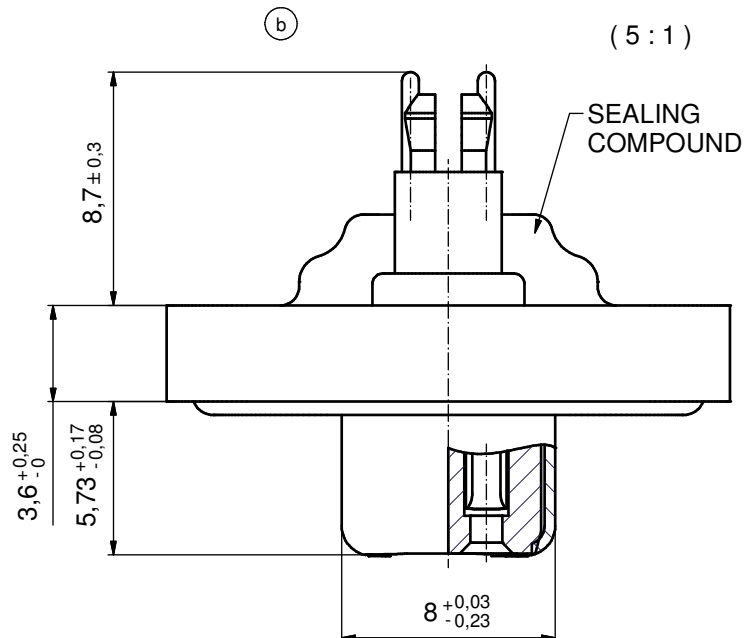
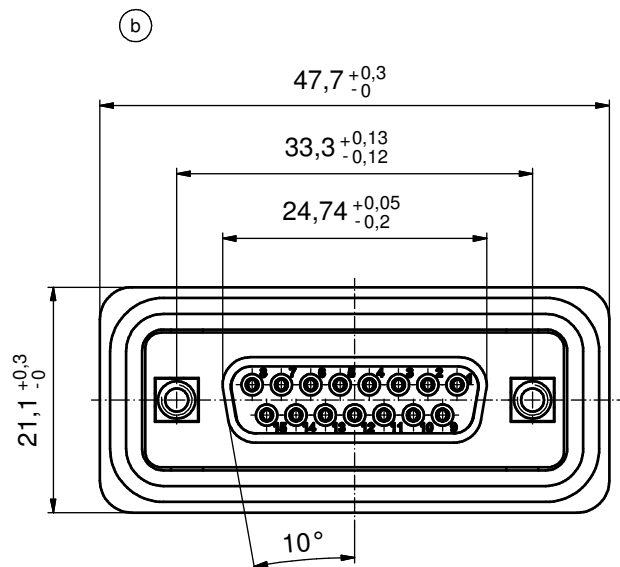
- Overall width: $25^{+0,12}_{-0,13}$
- Distance from left edge to first vertical line: $5,49 \pm 0,1$
- Distance from first vertical line to second vertical line: $2,74 \pm 0,1$
- Distance from second vertical line to third vertical line: $1,42 \pm 0,1$
- Distance from third vertical line to fourth vertical line: $2,84 \pm 0,1$
- Distance from fourth vertical line to right edge: $1,37 \pm 0,1$
- Distance from left edge to center of left circular feature: $\varnothing 3,1 \pm 0,1 (2x)$
- Distance from center of left circular feature to center of right circular feature: $\varnothing 1^{+0,1}_{-0} (9x)$
- Distance from center of right circular feature to right edge: $4,11 \pm 0,1$

Technical drawing of a mechanical part with the following dimensions and tolerances:

- Overall width: $20,5 \pm 0,1$
- Overall height: $11,4 \pm 0,1$
- Overall length: $25 \pm 0,1$
- Left hole diameter: $\varnothing 3,1 \pm 0,05 (2x)$
- Right hole diameter: $\varnothing 3,1 \pm 0,05 (2x)$
- Top-left corner radius: $R3,4 \pm 0,13$
- Bottom-left corner angle: $10^\circ \pm 1^\circ$
- Surface texture symbol (top-left): $\sqrt{0,26} A$
- Surface texture symbol (bottom-right): $\sqrt{0,26} B$

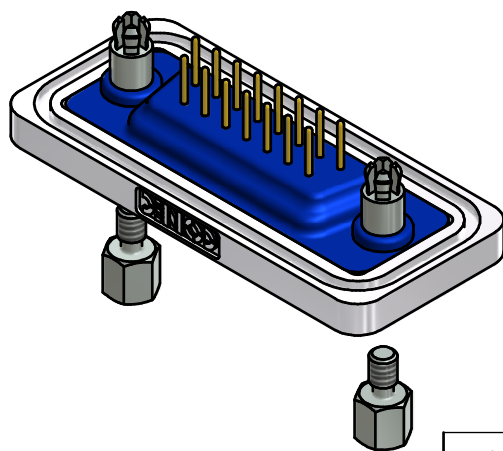
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND					tolerance		 dim. in mm	scale: 3:1		
								material: SEE SHEET 1		
					date		name		title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB Female 9pos. Solder pin straight	
					drawn	29.01.04	Lehmenkühler			
					appd.	29.01.04	Mickenbecker			
					norm					
					d-old				dwg no: 18K2A244	
	1 x b	Ä4141	26.10.2011	K.H.			DIN-A3			
	a	Original								
	rev.	description	date	name	part no:		SEE SHEET 1			

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



NOTES:

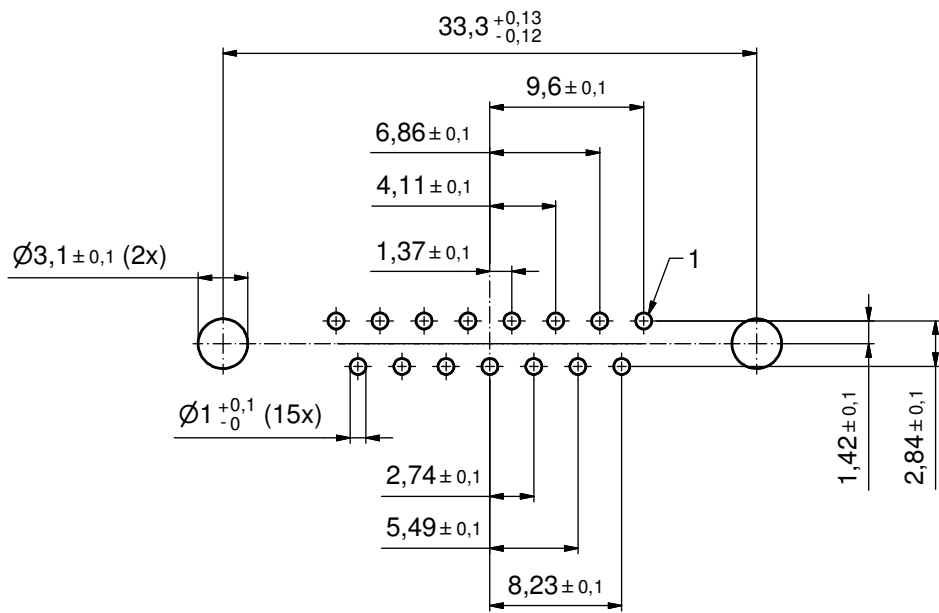
- FOR WAVE SOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METAL SHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: $\phi 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
- COLLARS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
- FRAME: ZINC DIE CAST; NICKEL PLATED
- O-RING: SILICON; BLUE
- SEALING COMPOUND: PUR; BLUE
- HEXLOCKING SCREWS: STAINLESS STEEL
- P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
- RECOMMENDED TORQUE FOR MOUNTING SCREW 35Ncm (3.1 in.LB) / max. 40Ncm (3.5 in.LB)
- CONNECTOR IS PART MARKED: 6STD15SAR99E20X CONEQ ABC



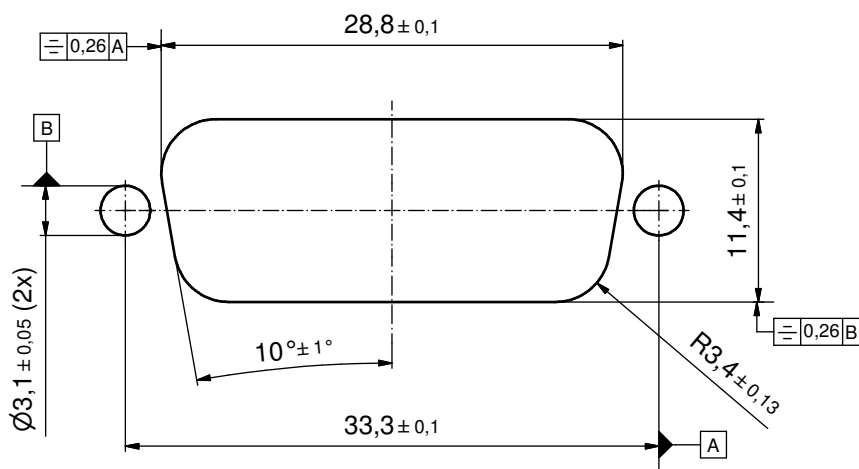
Directive 2002/95/EC RoHS compliant

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	scale: 2:1 (5:1)					
							material: SEE NOTES					
								date	name	title: D-SUB FEMALE 15pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw		
								drawn	29.04.04			Lehmenkühler
								appd.	29.04.04			Mickenbecker
				norm	DIN 41652							
				d-old			dwg no: 18K2A244 (b) part no: 6STD15SAR99E20X					
5 x b	Ä4141	26.10.2011	K.H.			DIN-A3						
a	Original					sh: 3/8						
rev.	description	date	name									

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



RECOMMENDED PANEL CUT-OUT (b)

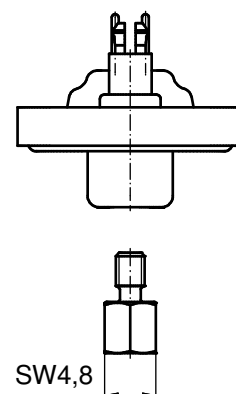
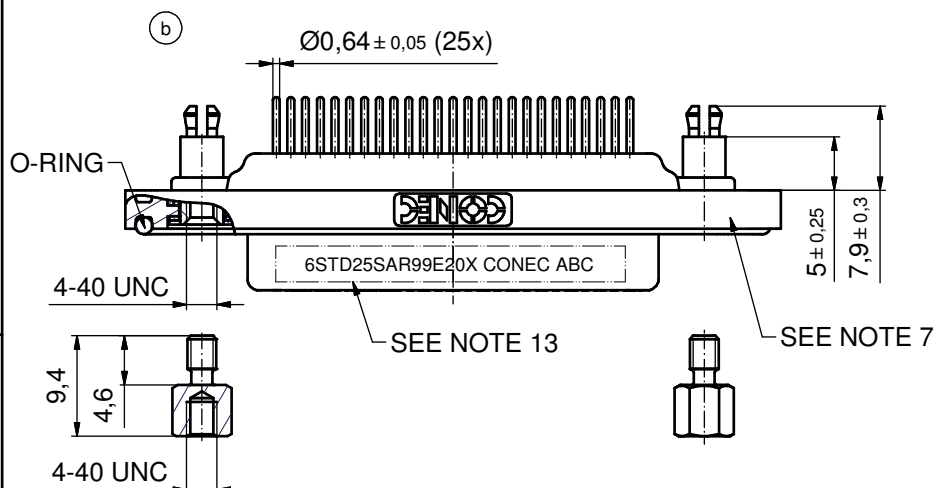
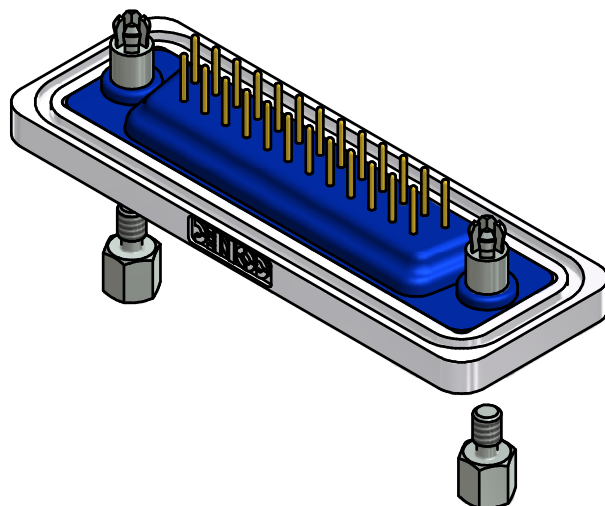
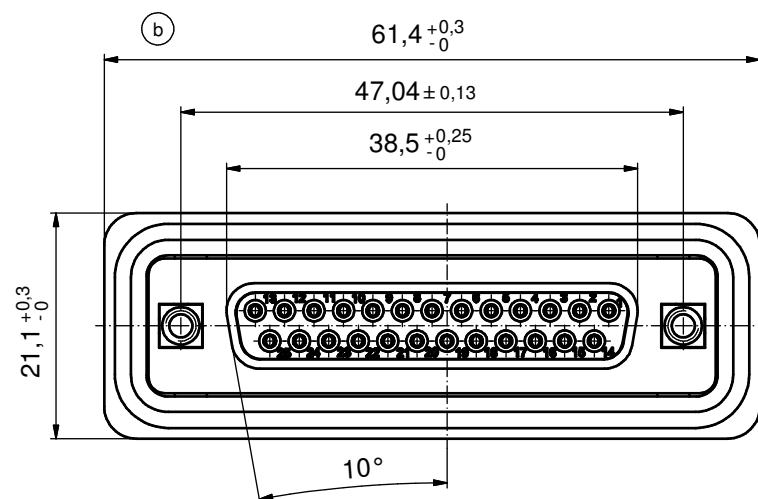
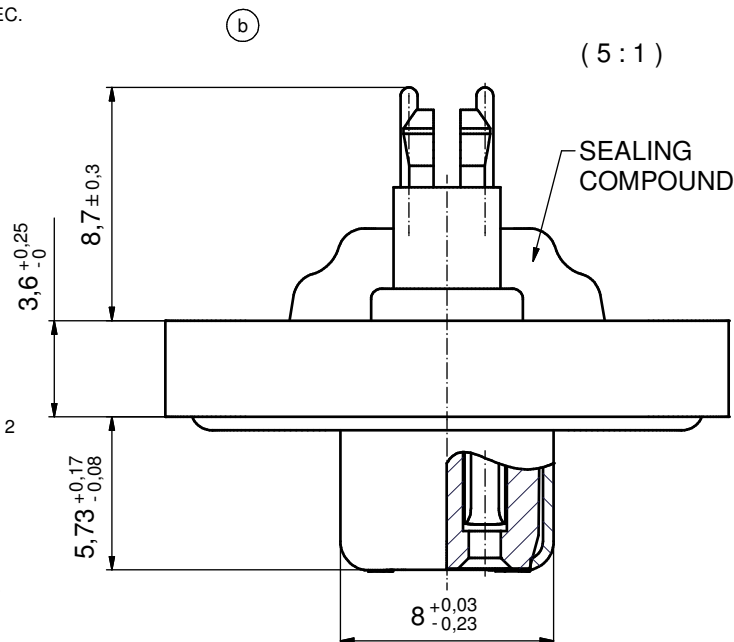


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH				tolerance		 dim. in mm	scale: 3:1					
							material: SEE SHEET 3					
								drawn	29.01.04	Lehmenkühler	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB Female 15pos. Solder pin straight	
								appd.	29.01.04	Mickenbecker		
								norm	DIN 41652			
				d-old								
1 x b	Ä4141	26.10.2011	K.H.				dwg no: 18K2A244		DIN-A3			
a	Original								sh: 4/8			
rev.	description	date	name				part no:		SEE SHEET 3			

NOTES: (b)

1. FOR WAVE SOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METAL SHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY;
min. 200µm TIN over 80µm NICKEL
PCB-HOLE: $\varnothing 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
6. COLLARS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
7. FRAME: ZINC DIE CAST; NICKEL PLATED
8. O-RING: SILICON; BLUE
9. SEALING COMPOUND: PUR; BLUE
10. HEXLOCKING SCREWS: STAINLESS STEEL
11. P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
12. RECOMMENDED TORQUE FOR MOUNTING SCREW 35Ncm (3.1 in.LB) / max. 40Ncm (3.5 in.LB)
13. CONNECTOR IS PART MARKED: **6STD25SAR99E20X CONEC ABC**

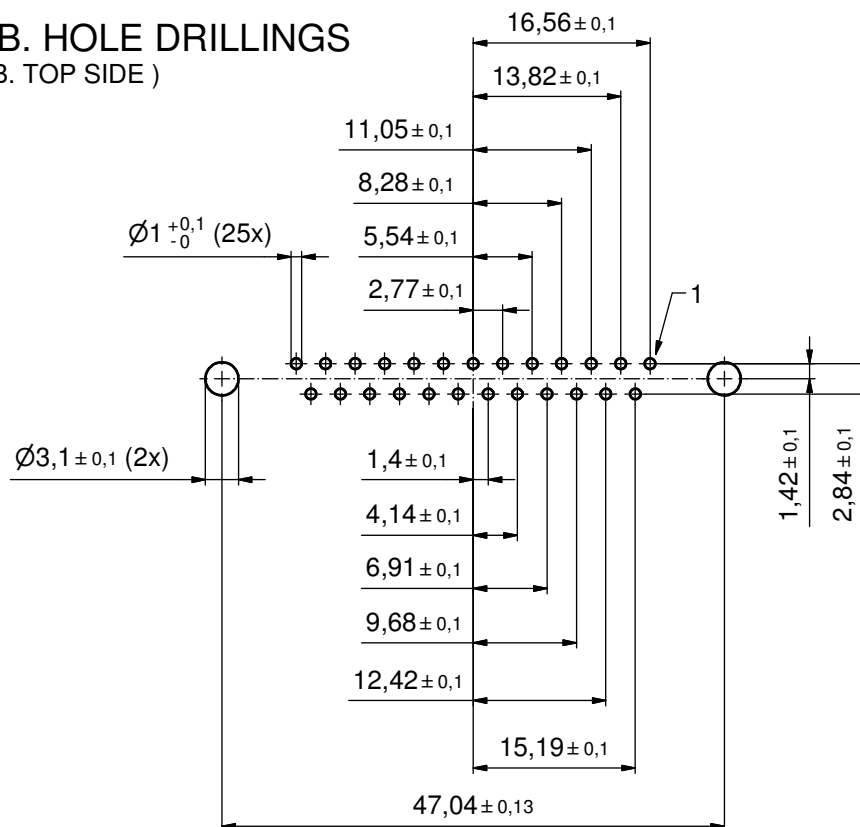
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



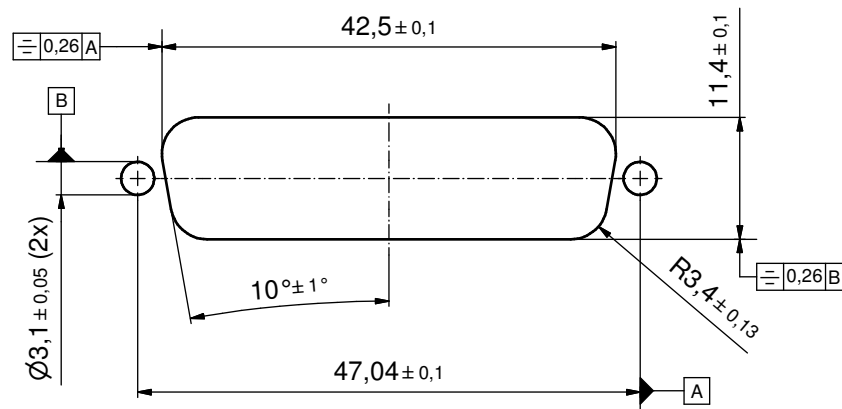
Directive 2002/95/EC RoHS compliant

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				tolerance		 dim. in mm	scale: 2:1 (5:1)			
							material: SEE NOTES			
								date	name	title: D-SUB FEMALE 25pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw
								drawn 29.01.04	Lehmenkühler	
								appd. 29.01.04	Mickenbecker	
				norm	DIN 41652	dwg no: 18K2A244 (b) sh: 5/8				
				d-old						
5 x b	Ä4141	26.10.2011	K.H.				DIN-A3			
a	Original									
rev.	description	date	name			part no: 6STD25SAR99E20X				

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



RECOMMENDED PANEL CUT-OUT

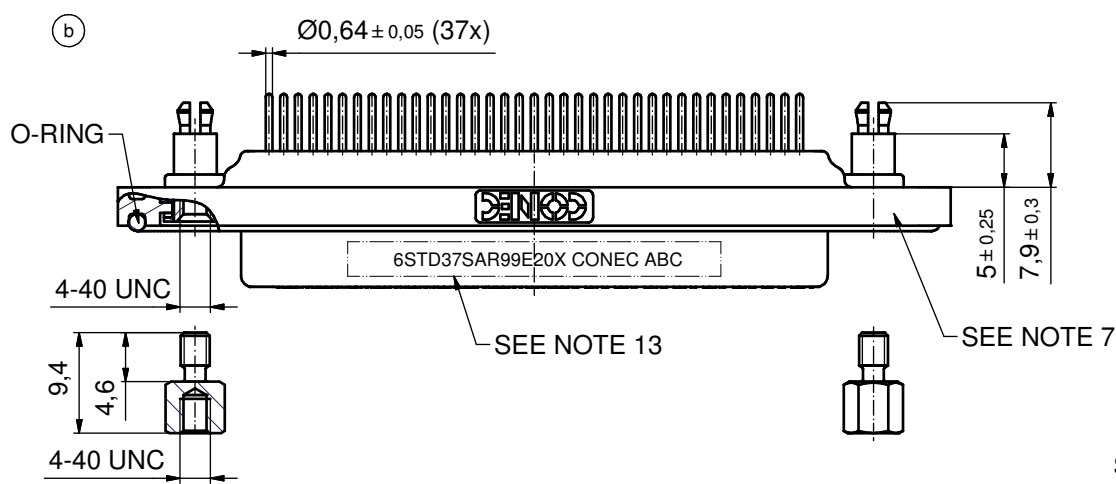
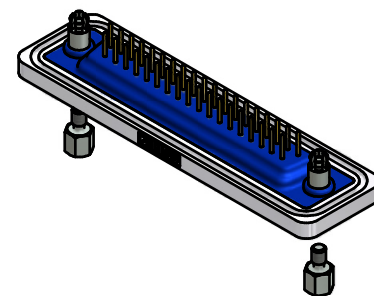
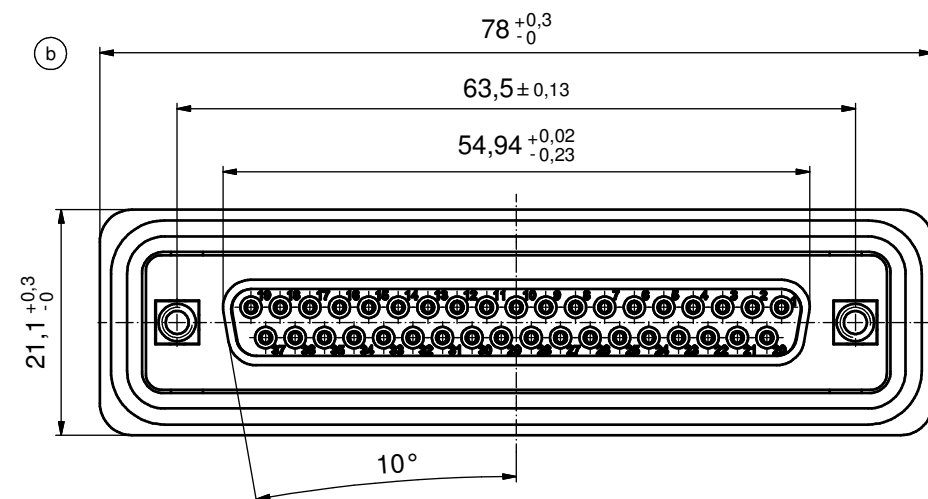


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH	DO NOT ALTER CAD DRAWING BY HAND			tolerance		 dim. in mm	scale: 2:1		
							material: SEE SHEETS		
					date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB FEMALE 25pos. SOLDER PIN STRAIGHT		
					drawn	29.01.04			Lehmenkühler
					appd.	29.01.04			Mickenbecker
					norm				
					d-old				
	1 x b	Ä4141	26.10.2011	K.H.				dwg no:	DIN-A3
	a	Original		18K2A244				sh: 6/8	
	rev.	description	date	name				part no:	SEE SHEETS

NOTES:

1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY;
min. 200µin TIN over 80µin NICKEL
PCB-HOLE: $\varnothing 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
6. COLLARS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
7. FRAME: ZINC DIE CAST; NICKEL PLATED
8. O-RING: SILICON; BLUE
9. SEALING COMPOUND: PUR; BLUE
10. HEXLOCKING SCREWS: STAINLESS STEEL
11. P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
12. RECOMMENDED TORQUE FOR MOUNTING SCREW 35Ncm (3.1 in.LB) /
max. 40Ncm (3.5 in.LB)
13. CONNECTOR IS PART MARKED: 6STD37SAR99E20X CONEC ABC

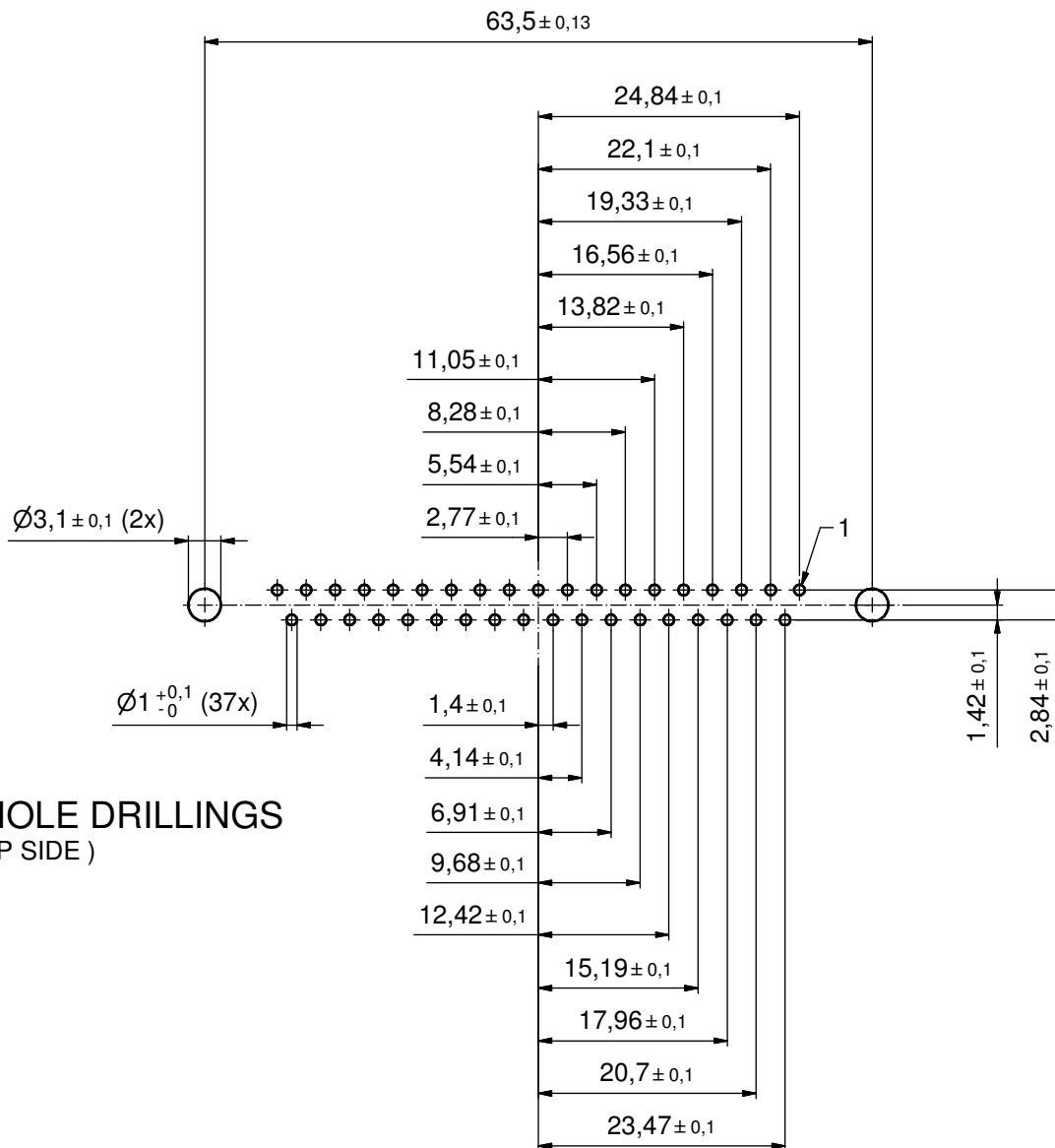
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



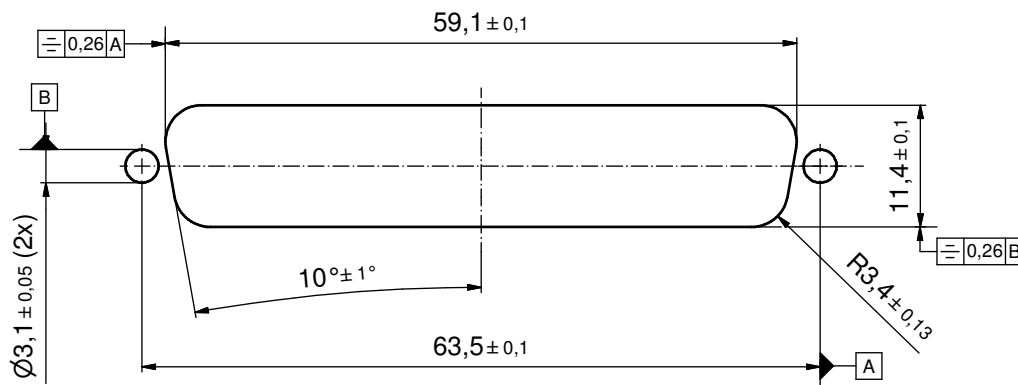
Directive 2002/95/EC RoHS compliant

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				tolerance		 dim. in mm	scale: 2:1 (5:1)			
							material: SEE NOTES			
								date	name	title: D-SUB FEMALE 37pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw
							drawn	29.01.04	Lehmenkühler	
							appd.	29.01.04	Mickenbecker	
			norm							
			d-old				dwg no: 18K2A244 (b) sh: 7/8			
5 x b	Ä4141	26.10.2011	K.H.					DIN-A3		
a	Original									
rev.	description	date	name					part no: 6STD37SAR99E20X		

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



RECOMMENDED PANEL CUT-OUT (b)



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				tolerance		 dim. in mm		scale: 2:1			
								material: SEE SHEET 7			
						date		name		title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB FEMALE 37pos. SOLDER PIN STRAIGHT	
						drawn 29.01.04		Lehmenkühler			
						appd. 29.01.04		Mickenbecker			
		norm									
				d-old				dwg no: 18K2A244			
1 x b		Ä4141		26.10.201		K.H.					
a		Original									
rev.		description		date		name		part no: SEE SHEET 7			
								DIN-A3 sh: 8/8			

Directive 2002/95/EC RoHS compliant