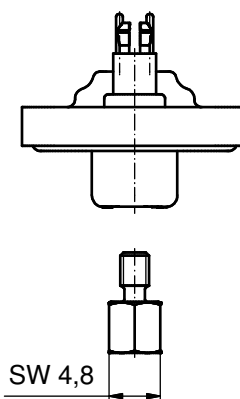
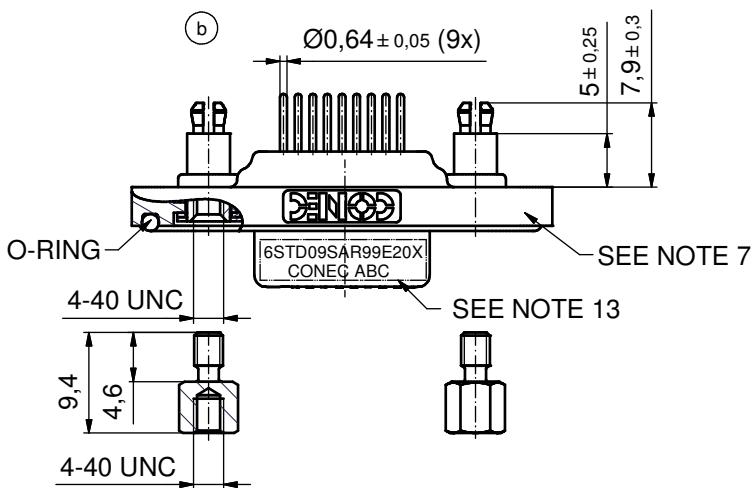
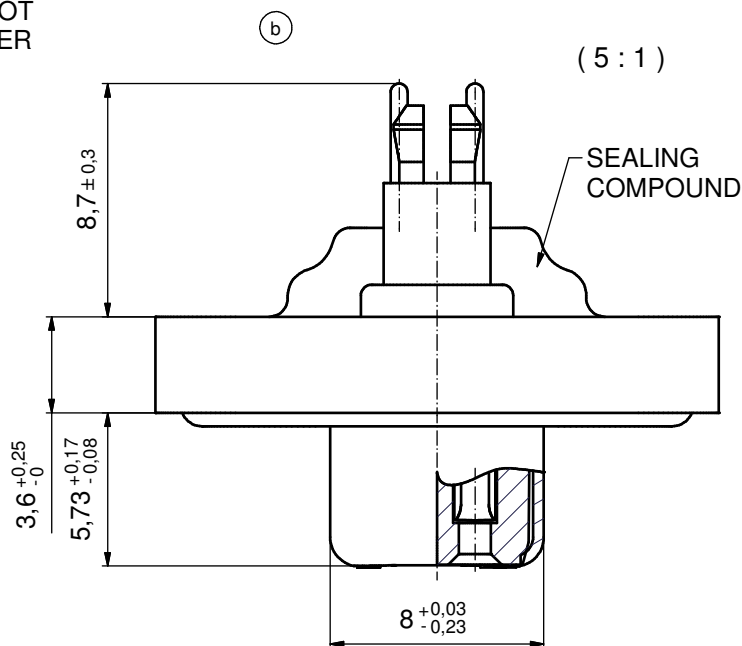
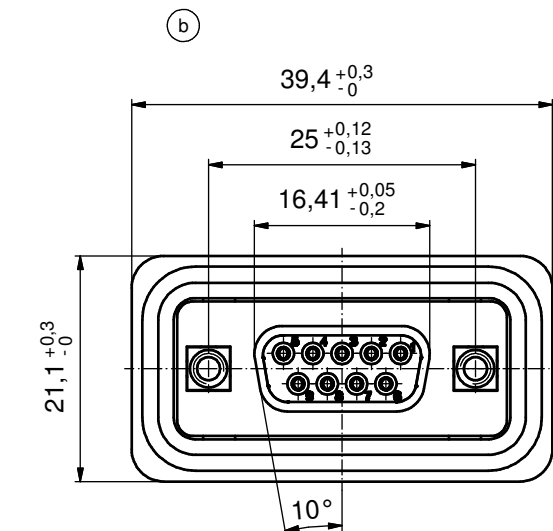
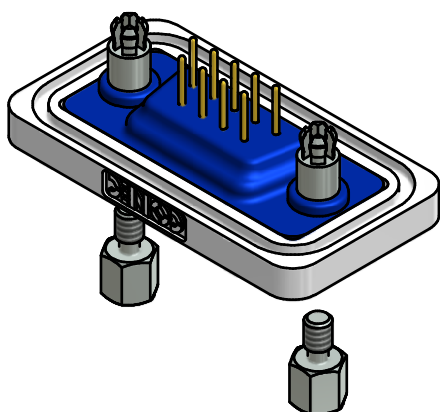


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



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				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	Lehmenkühler	
					appd. 29.01.04	Mickenbecker	
					norm	DIN 41652	
					d-old		
	5 x b	Ä4141	26.10.2011	K.H.			dwg no: 18K2A244 part no: 6STD09SAR99E20X
	a	Original		DIN-A3			
	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:

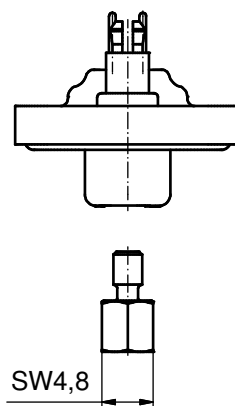
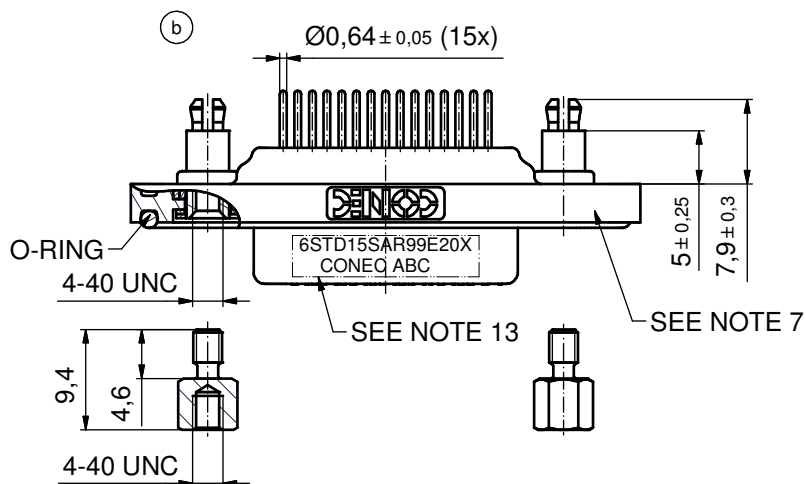
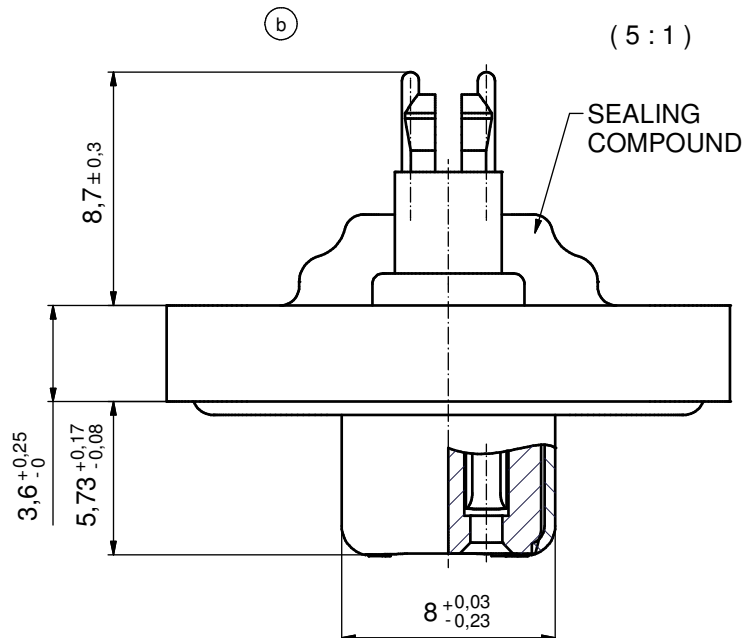
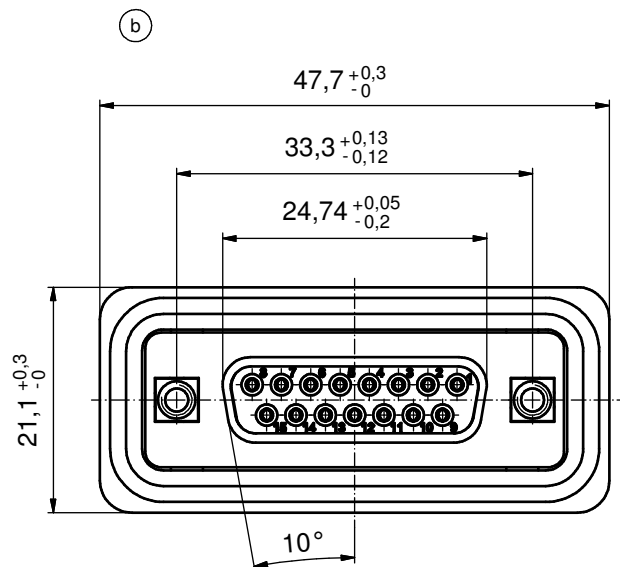
- Overall width: $25^{+0,12}_{-0,13}$
- Distance from left edge to first vertical line: $5,49 \pm 0,1$
- Distance from first vertical line to second vertical line: $2,74 \pm 0,1$
- Distance from second vertical line to third vertical line: $1,42 \pm 0,1$
- Distance from third vertical line to fourth 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 first circular feature: $\varnothing 3,1 \pm 0,1 (2x)$
- Distance from center of first circular feature to center of second circular feature: $\varnothing 1^{+0,1}_{-0} (9x)$
- Distance from center of second 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): $\sqrt{0,26} B$

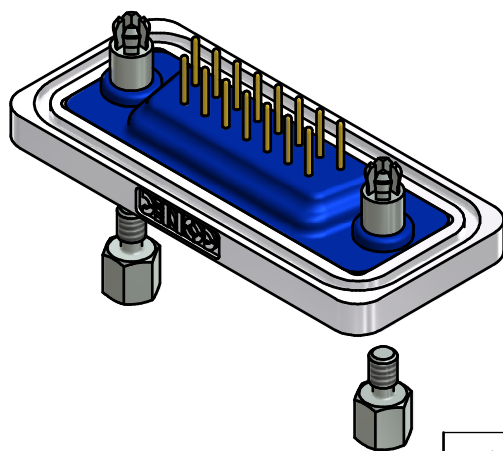
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND					tolerance		 dim. in mm	scale: 3:1		
								material: SEE SHEET 1		
					date		name		title: P.C.B. 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		sh: 2/8						
	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:

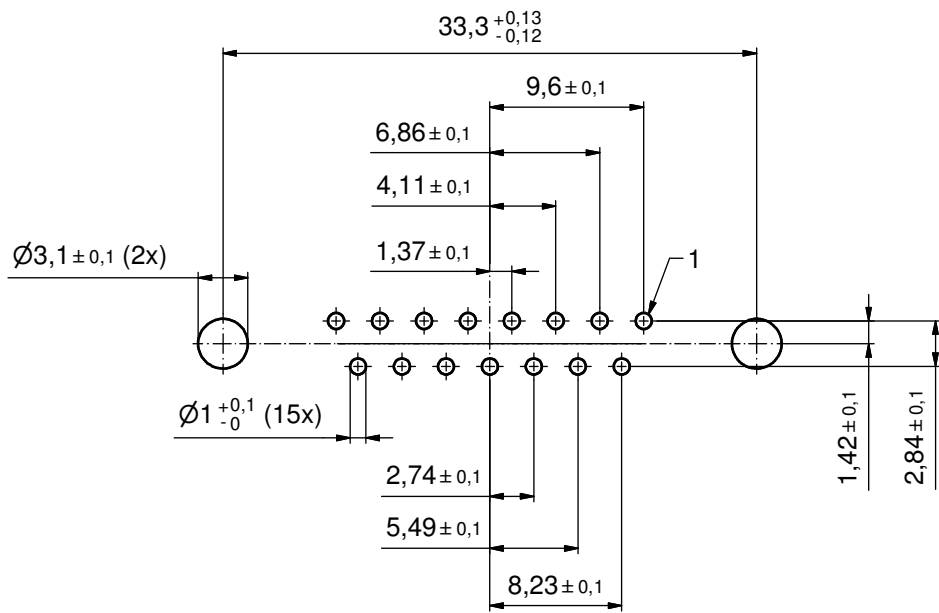
- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
PCB-HOLE: $\phi 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
- COLLARS: COPPER ALLOY; min. 200µin TIN over 80µin 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



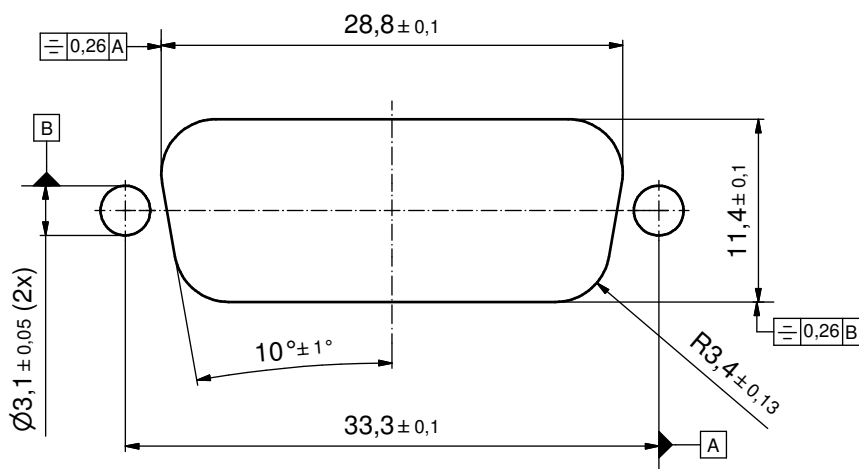
Directive 2002/95/EC RoHS compliant

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						tolerance				scale: 2:1 (5:1)			
										dim. in mm		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				
				5 x b	Ä4141	26.10.2011	K.H.			dwg no: 18K2A244 		DIN-A3	
				a	Original							sh: 3/8	
				rev.	description	date	name					part no: 6STD15SAR99E20X	

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



RECOMMENDED PANEL CUT-OUT (b)

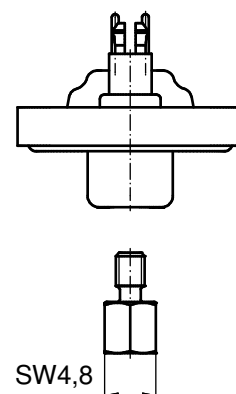
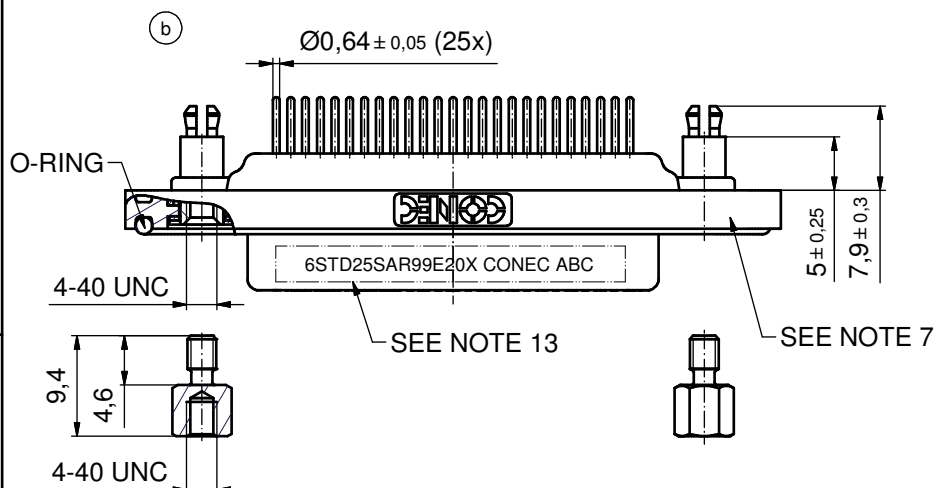
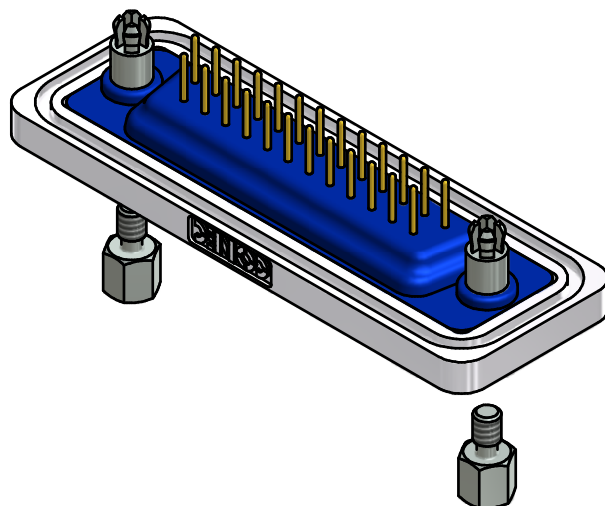
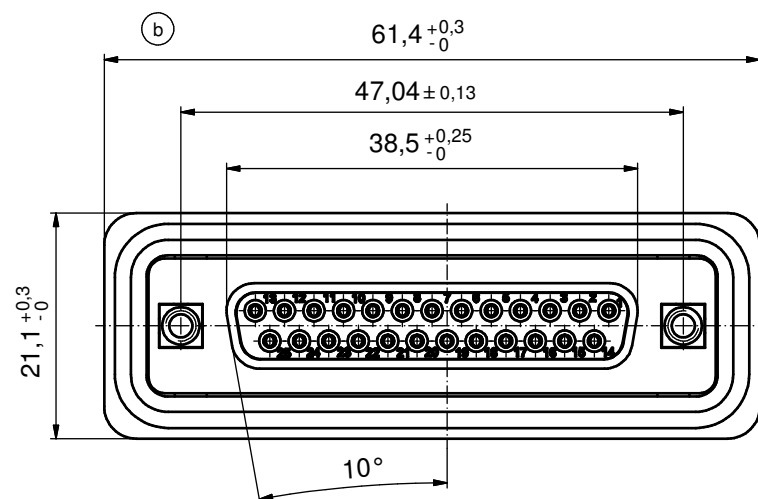
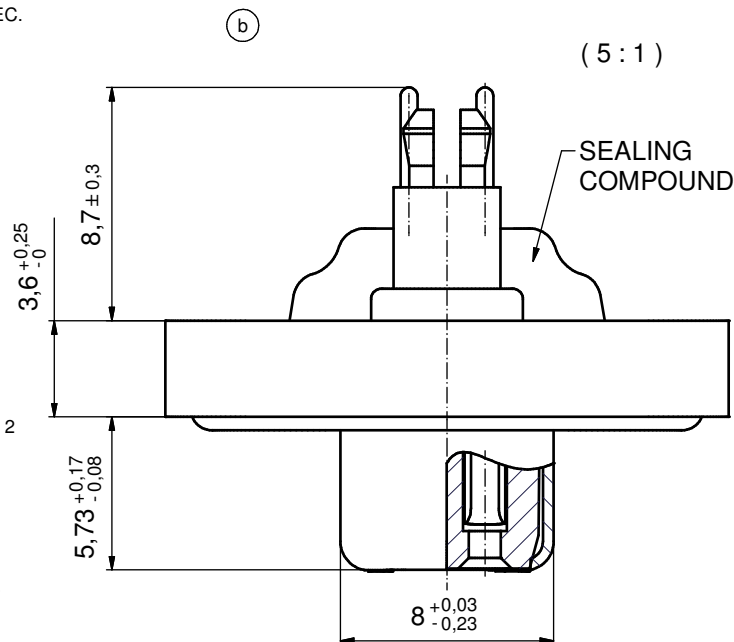


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH				tolerance		 dim. in mm	scale: 3:1					
							material: SEE SHEET 3					
								drawn	29.01.04	Lehmenkühler	title: P.C.B. HOLE DRILLINGS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

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**

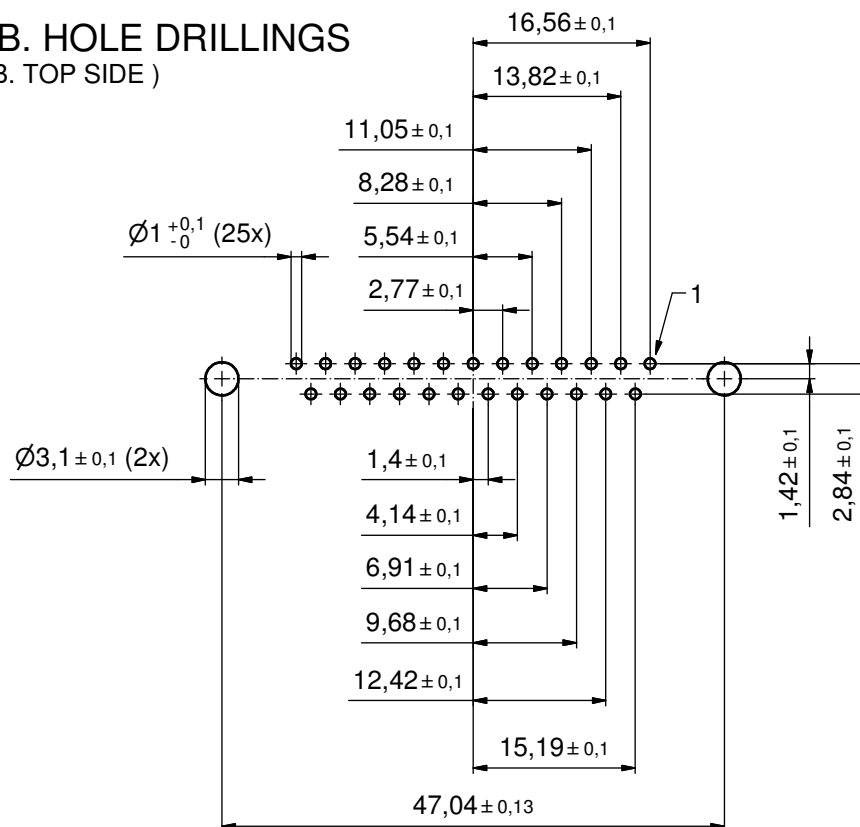
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



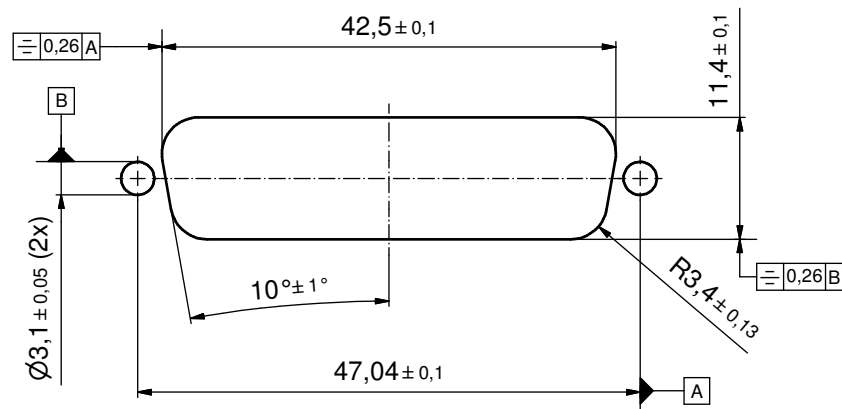
Directive 2002/95/EC RoHS compliant

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						
					d-old		dwg no: 18K2A244 (b) sh: 5/8					
	5 x b	Ä4141	26.10.2011	K.H.						part no: 6STD25SAR99E20X		
	a	Original										
	rev.	description	date	name								

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			dwg no:		DIN-A3
	1 x b	Ä4141	26.10.2011	K.H.				18K2A244		sh: 6/8
	a	Original		part no: SEE SHEETS						
	rev.	description	date	name						

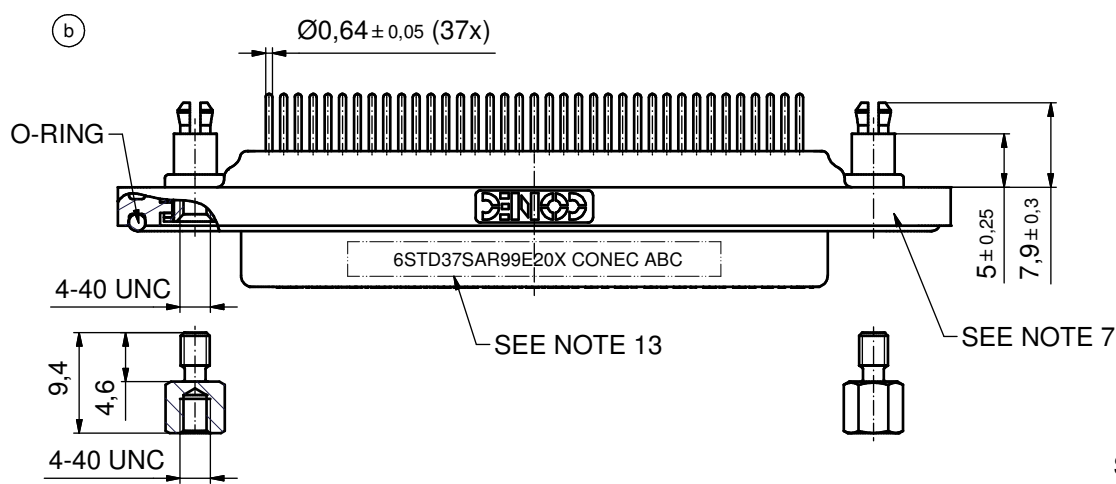
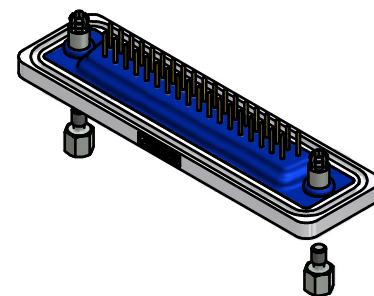
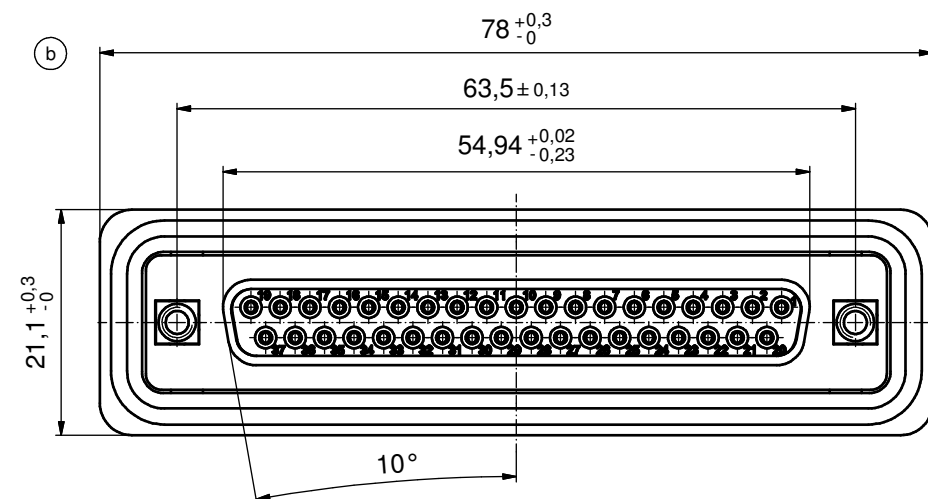
CONEC®

DIN-A3
sh: 6/8

NOTES:

1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METAL SHELLS: 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 sh: 7/8		
	5 x b	Ä4141	26.10.2011	K.H.					
	a	Original							
	rev.	description	date	name					
						part no: 6STD37SAR99E20X			

(b)

sh: 7/8

