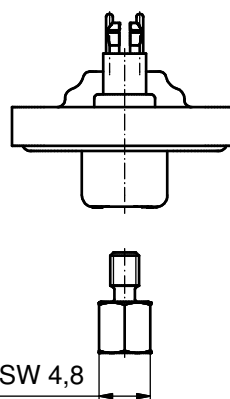
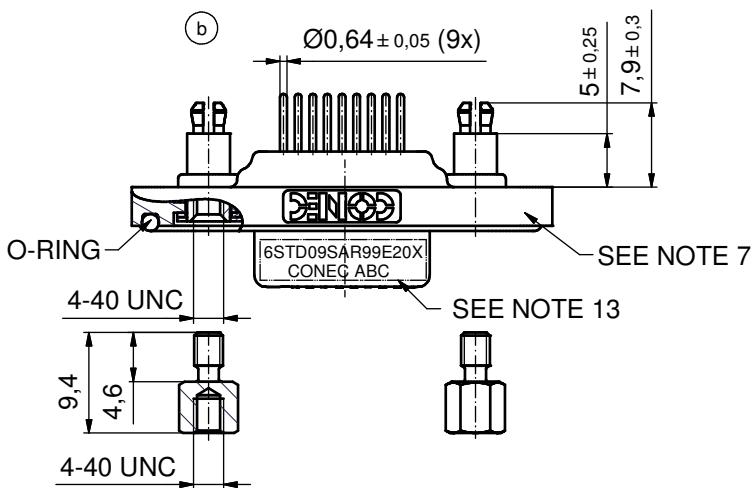
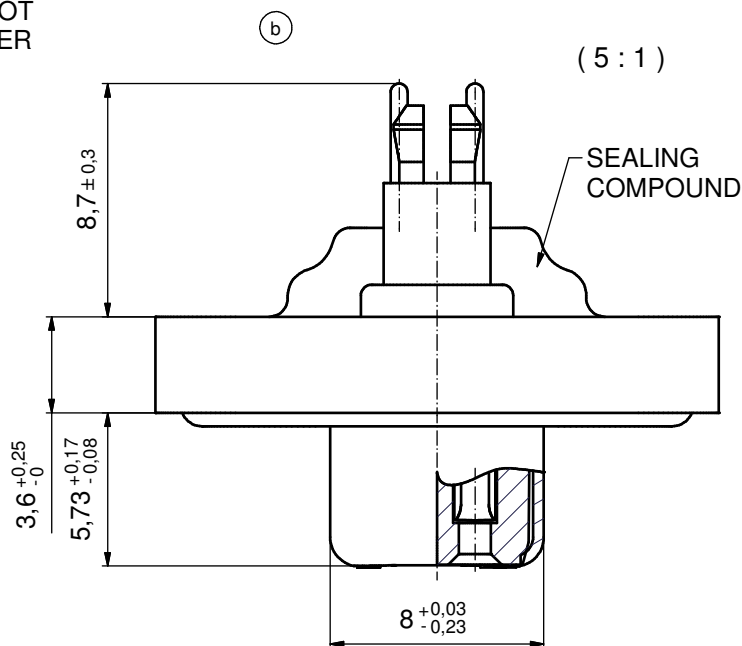
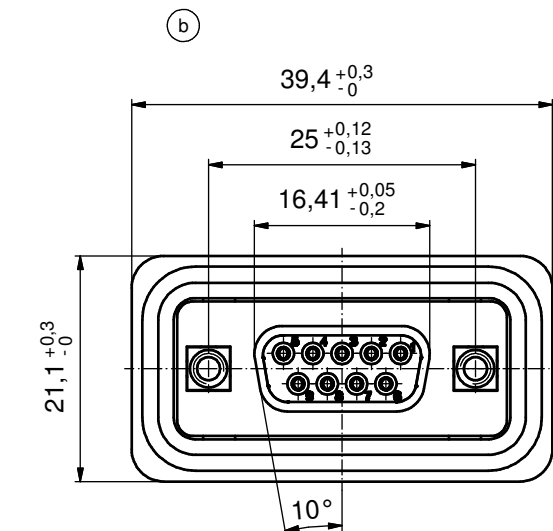
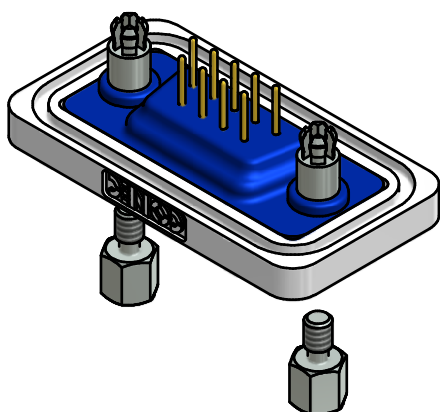


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



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



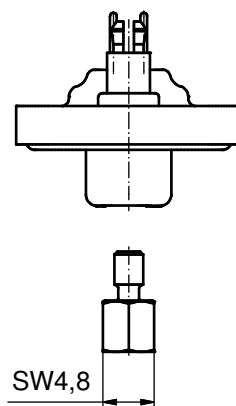
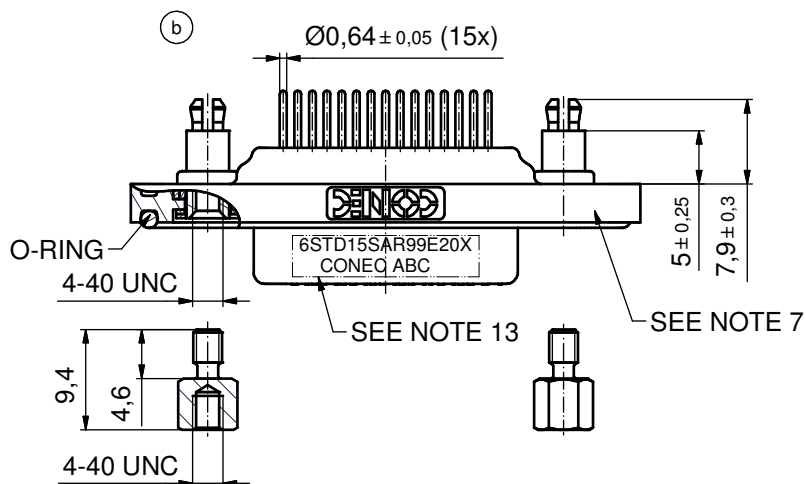
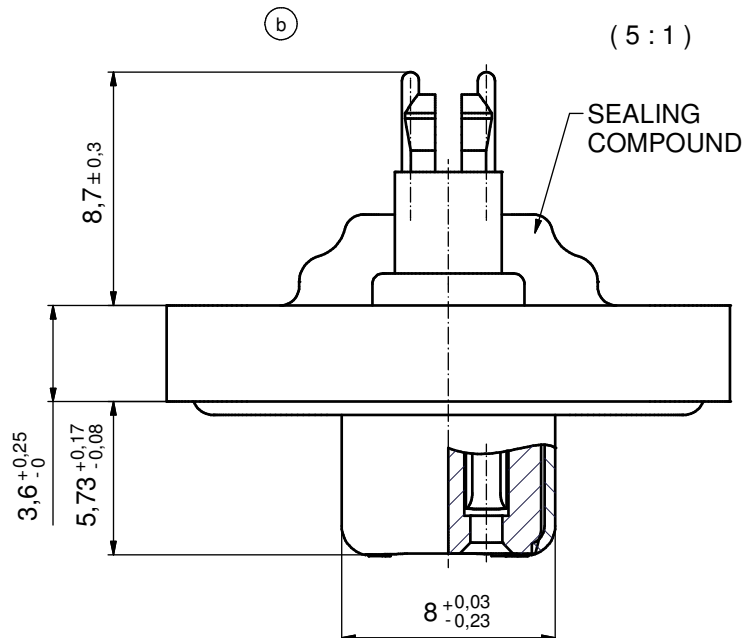
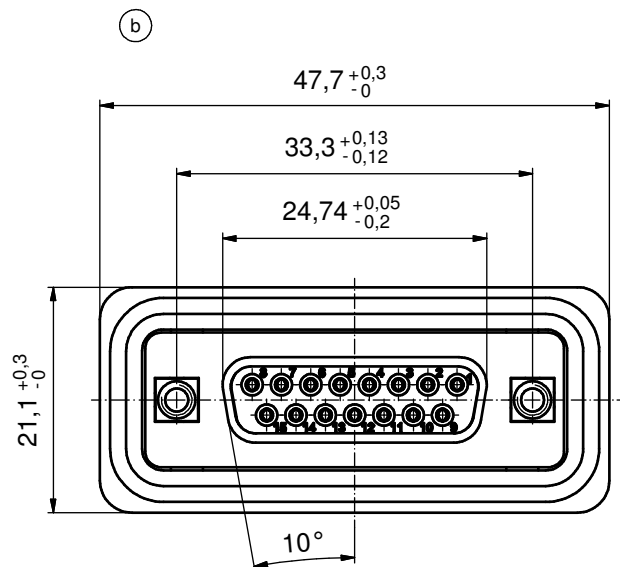
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH				tolerance		 dim. in mm	scale: 2:1 (5:1)	
							material: SEE NOTES	
					date	name	title: D-SUB FEMALE 9pos. SOLDER PIN STRAIGHT with 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 DIN-A3 sh: 1/8	
	a	Original						
	rev.	description	date	name				
						part no: 6STD09SAR99E20X		

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

- Overall width: $25 \pm 0,1$
- Overall height: $11,4 \pm 0,1$
- Distance between hole centers: $20,5 \pm 0,1$
- Distance from left hole center to left edge: $\varnothing 3,1 \pm 0,05 (2x)$
- Distance from right hole center to right edge: $0,26$
- Distance from top edge to hole center line: $0,26$
- Distance from bottom edge to hole center line: $0,26$
- Radius of the rounded corners: $R3,4 \pm 0,13$
- Angle of the chamfer: $10^\circ \pm 1^\circ$

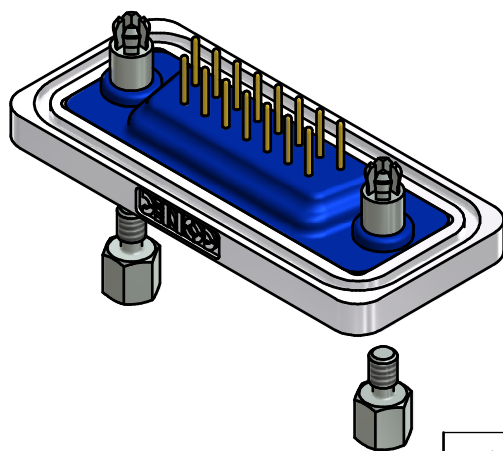
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND					tolerance		 dim. in mm	scale: 3:1			
								material: SEE SHEET 1			
					date		name		title: P.C.B.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

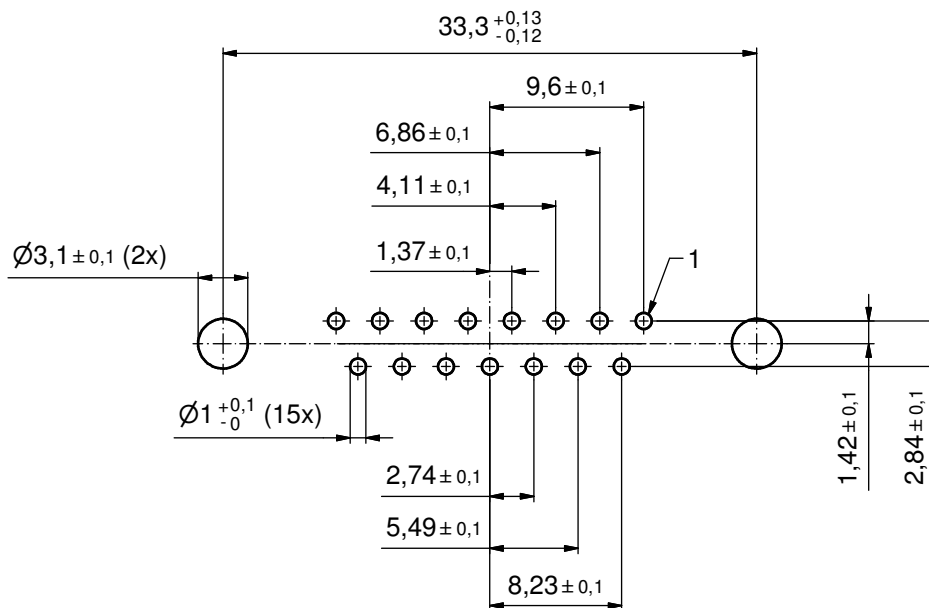


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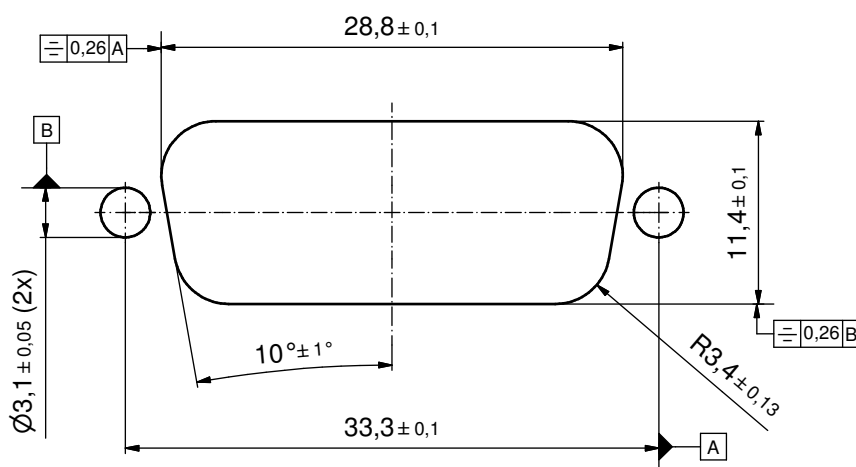
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH					tolerance		 dim. in mm	scale: 2:1 (5:1)	
								material: SEE NOTES	
					date	name	title: D-SUB FEMALE 15pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw		
					drawn 29.04.04	Lehmenkühler			
					appd. 29.04.04	Mickenbecker			
					norm	DIN 41652			
					d-old		dwg no:		DIN-A3
	5 x b	Ä4141	26.10.2011	K.H.			18K2A244		(b) sh: 3/8
	a	Original							
	rev.	description	date	name					

P.C.B. HOLE DRILLINGS

(P.C.B. TOP SIDE)



RECOMMENDED PANEL CUT-OUT (b)

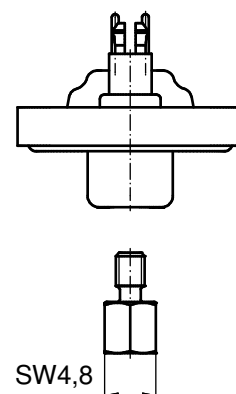
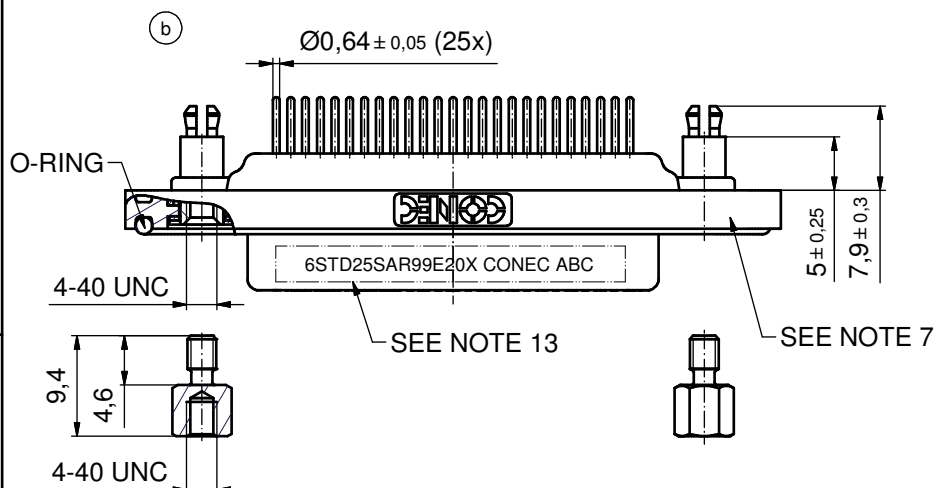
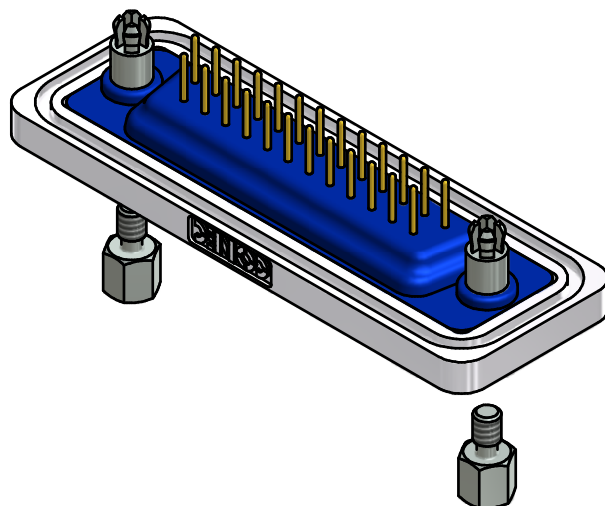
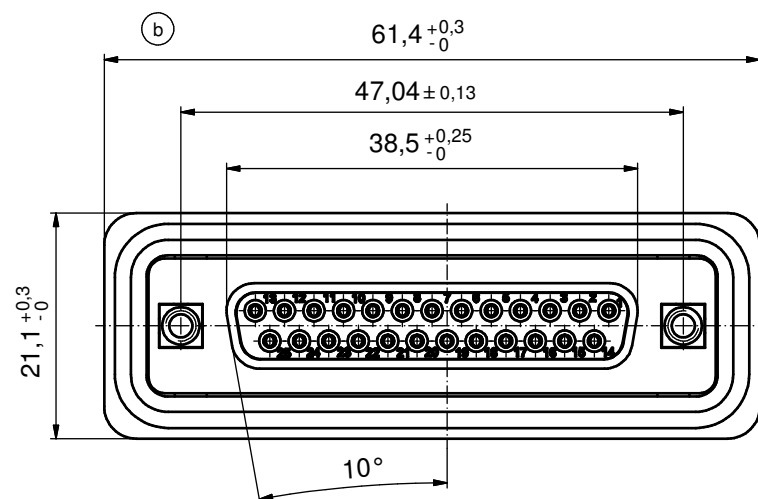
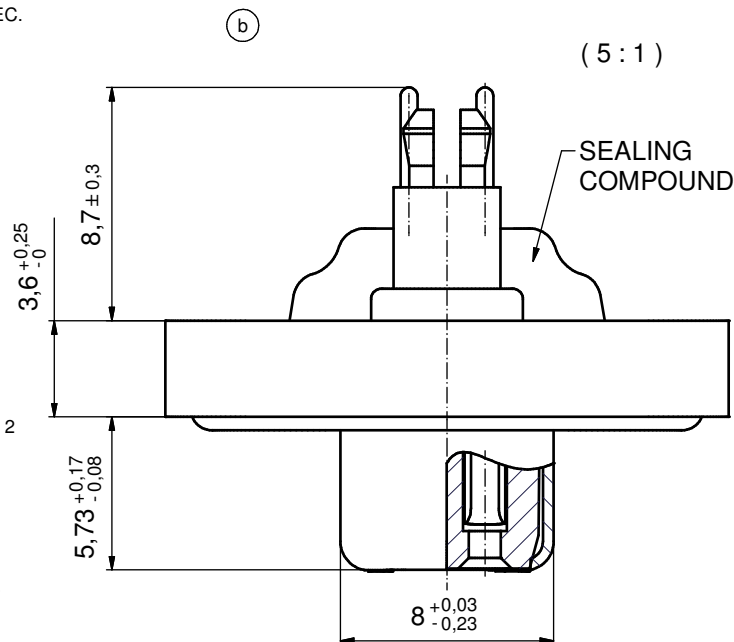


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					material:			SEE SHEET 3	
					date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB Female 15pos. Solder pin straight		
					drawn 29.01.04	Lehmenkühler			
					appd. 29.01.04	Mickenbecker			
					norm	DIN 41652			
					d-old		dwg no: 18K2A244		DIN- A3 sh: 4/8
	1 x b	Ä4141	26.10.2011	K.H.					
	a	Original							
	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.



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								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						

[illegible]

Technical drawing of a mechanical part showing dimensions and tolerances:

- Overall Width:** $42,5 \pm 0,1$
- Overall Height:** $11,4 \pm 0,1$
- Left Hole Diameter:** $\varnothing 3,1 \pm 0,05 (2x)$
- Right Hole Diameter:** $\varnothing 3,1 \pm 0,05 (2x)$
- Top Surface Tolerance:** $\boxed{A}$ (Surface A) and $\boxed{B}$ (Surface B)
- Bottom Surface Tolerance:** $\boxed{A}$ (Surface A) and $\boxed{B}$ (Surface B)
- Internal Fillet Radius:** $R3,4 \pm 0,13$
- Internal Chamfer Angle:** $10^\circ \pm 1^\circ$
- Dimension Lines:** Indicate overall width, overall height, hole diameter, and internal features.

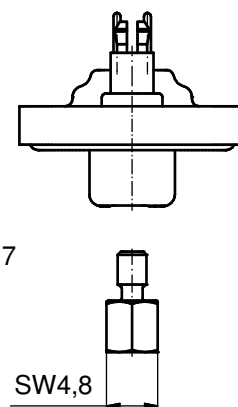
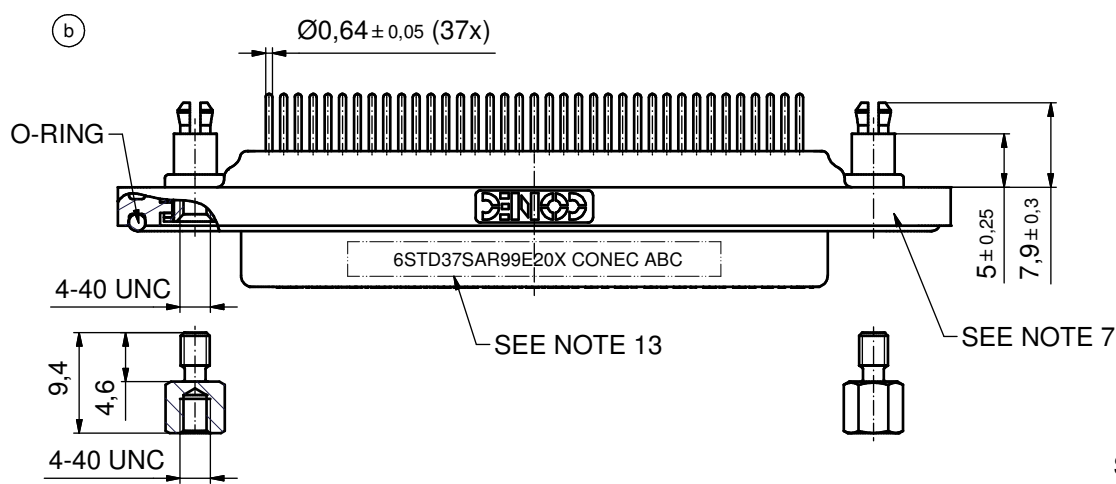
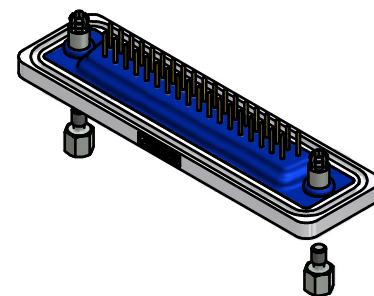
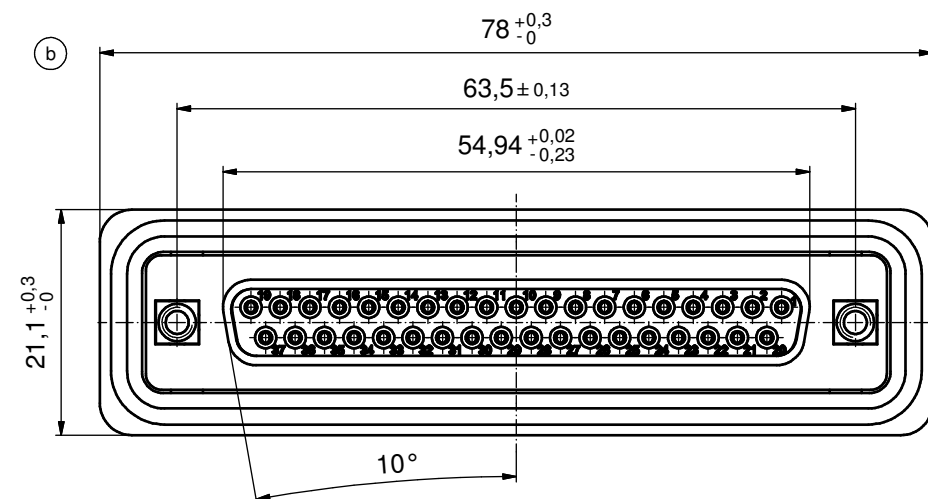
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DO NOT ALTER CAD DRAWING BY HAND				tolerance		 dim. in mm	scale: 2:1	
							material: SEE SHEETS	
				date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB FEMALE 25pos. SOLDER PIN STRAIGHT		
				drawn 29.01.04	Lehmenkühler			
				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					

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.



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								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:		DIN-A3
	5 x b	Ä4141	26.10.2011	K.H.			18K2A244		(b) sh: 7/8
	a	Original					part no: 6STD37SAR99E20X		
	rev.	description	date	name					

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DIN-A3
sh: 7/8

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