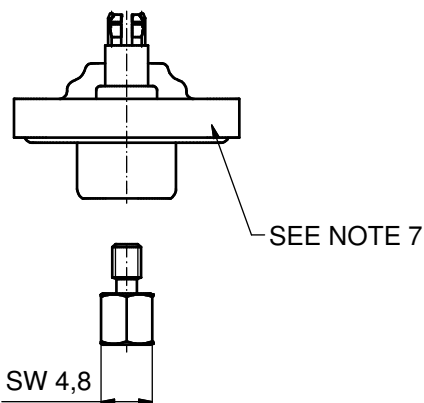
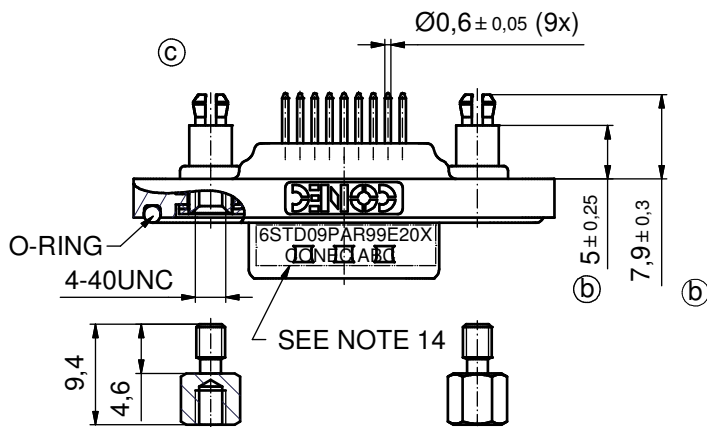
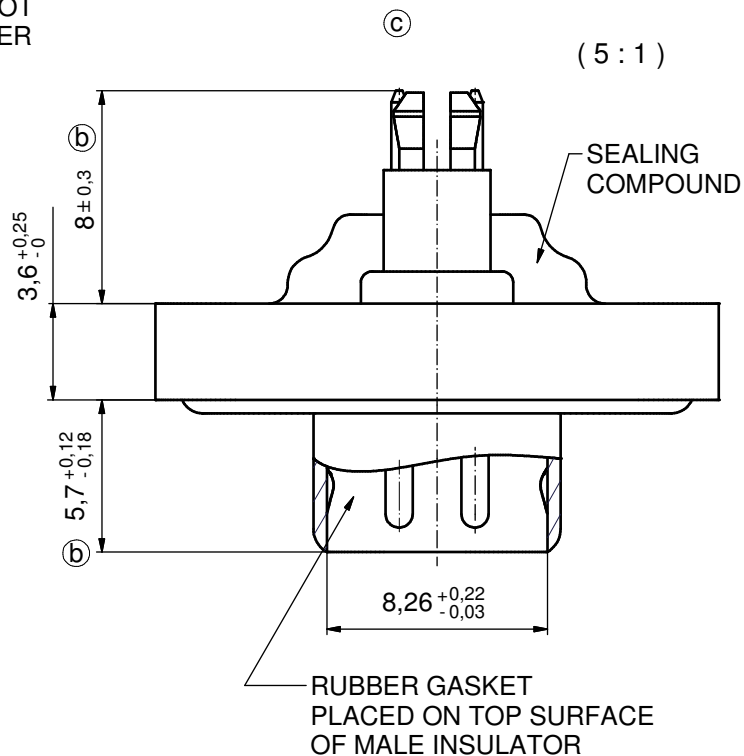
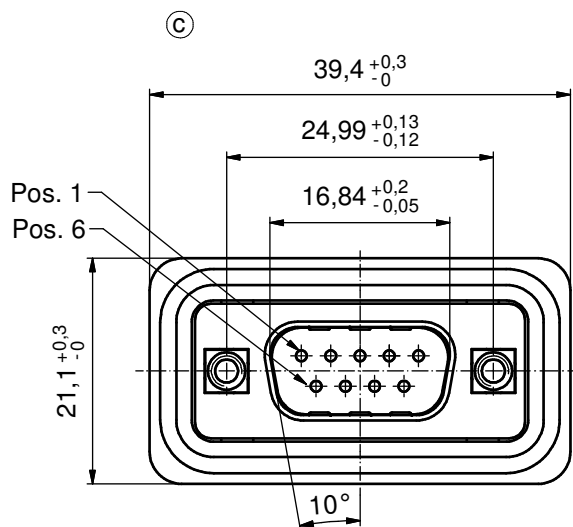
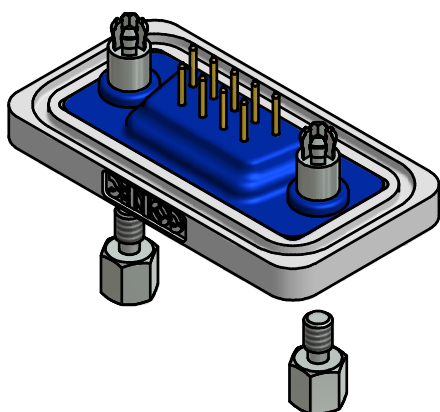


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



NOTES:

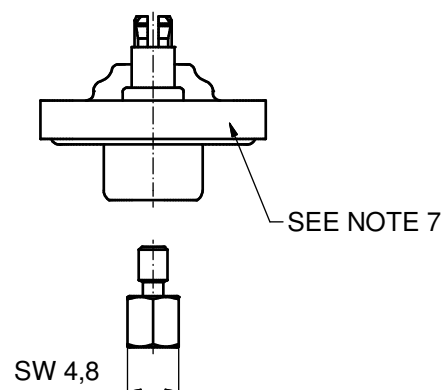
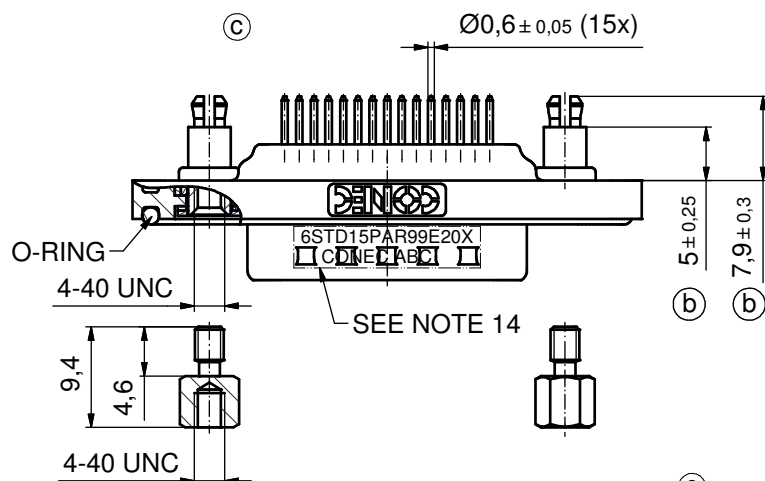
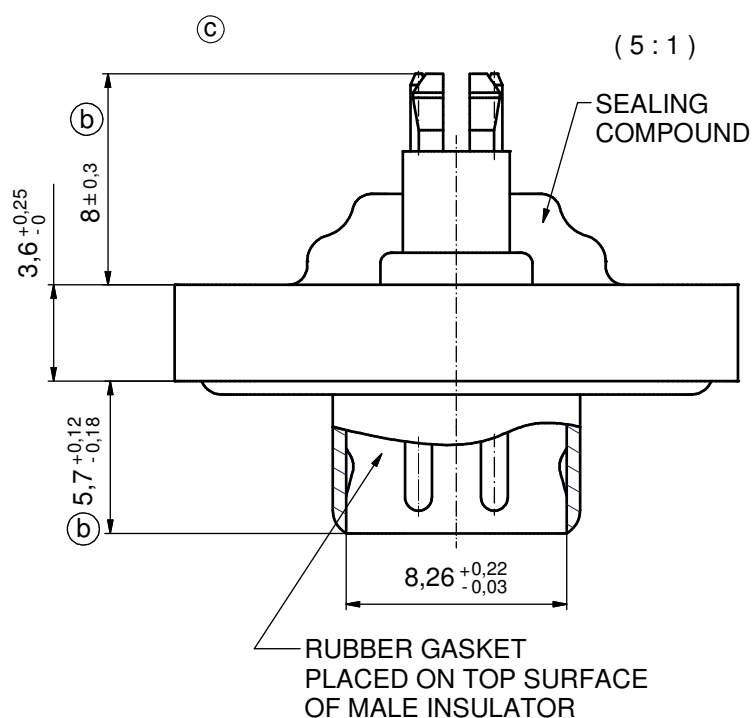
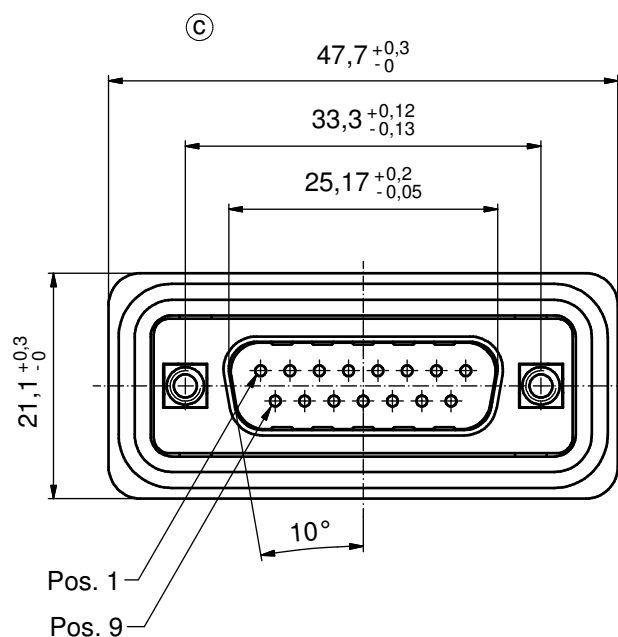
- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: ø3,1±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
- RUBBER GASKET: TPE; BLACK
- 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: 6STD09PAR99E20X CONEC ABC



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							material:	SEE NOTES			
					date	name	title: D-SUB MALE 9pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw				
					drawn	04.04.04					Lehmenkühler
					appd.	04.02.04					Mickenbecker
					norm	DIN 41652					
	5 x c	Ä3963	11.04.2011	K.H.	d-old		dwg no:		DIN-A3 sh:1/8		
	5 x b	Ä1983	31.03.2004	Mkf.							
	a	Original						18K2A245 ©			
	rev.	description	date	name						part no: 6STD09PAR99E20X	

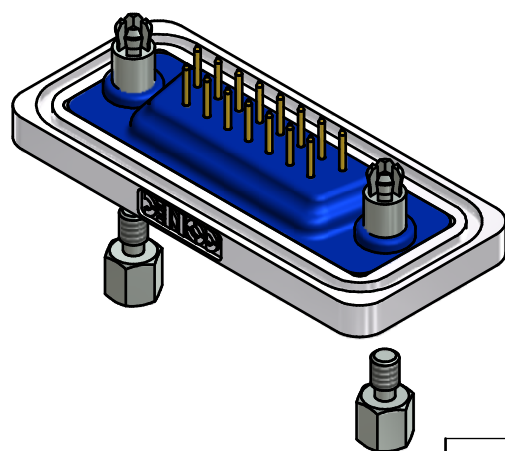


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							material: SEE SHEET 1	
					date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 9pos. Solder pin straight	
					drawn 04.02.04	Lehmenkühler		
					appd. 04.02.04	Mickenbecker		
					norm			
					d-old			
	3 x b	Ä3963	11.04.2011	K.H.			dwg no:	DIN-A3
	a	Original					18K2A245	(b) sh: 2/8
	rev.	description	date	name			part no:	SEE SHEET 1



NOTES: (C)

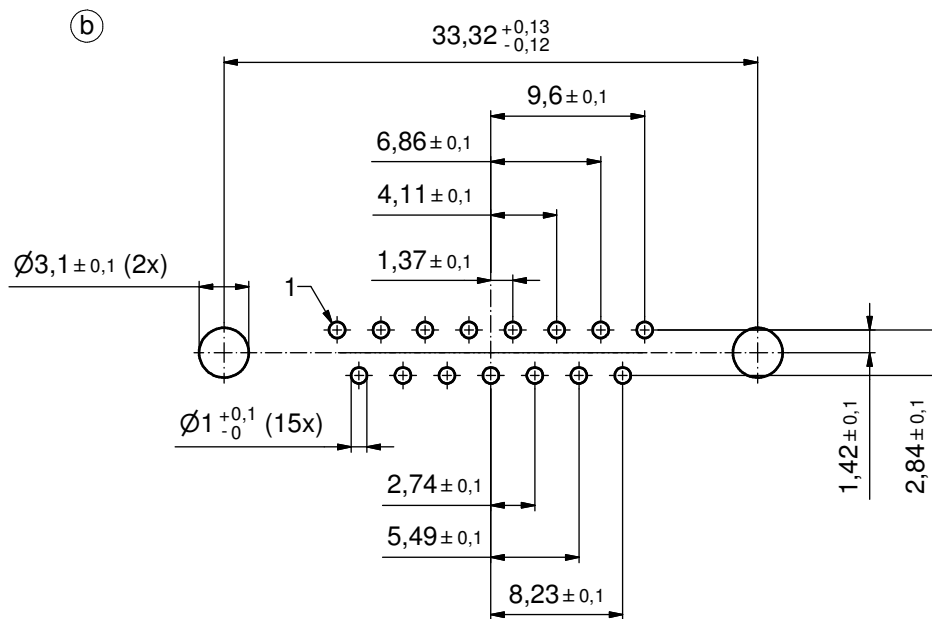
- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: ø3,1 ± 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
- RUBBER GASKET: TPE; BLACK
- 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: 6STD15PAR99E20X CONEC ABC (b)



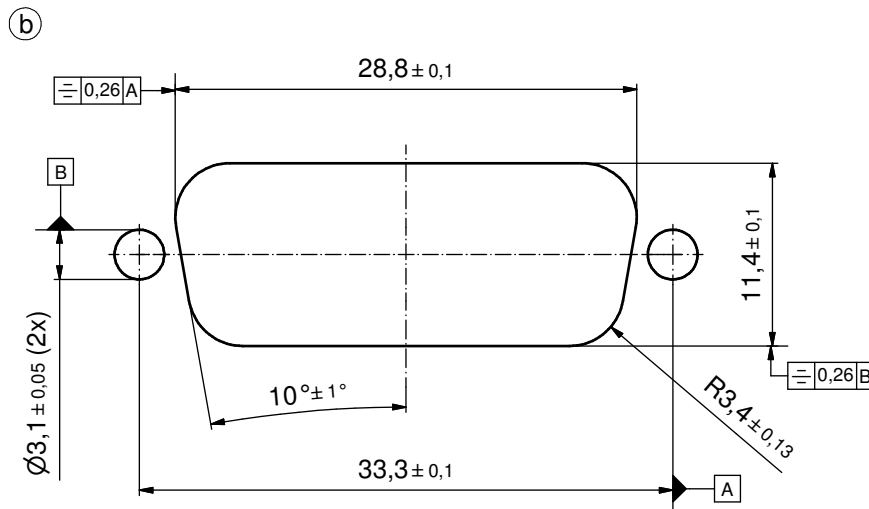
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH	DO NOT ALTER CAD DRAWING BY HAND				tolerance		 dim. in mm	scale: 2:1 (5:1)		material: SEE NOTES					
					date	name		title:							
									drawn	04.02.04	Lehmenkühler	D-SUB MALE 15pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw			
									appd.	04.02.04	Mickenbecker				
									norm	DIN 41652					
					5 x c	Ä3963	11.04.2011	K.H.	d-old			dwg no:		DIN-A3	
					5 x b	Ä1983	31.03.2004	Mkf.			18K2A245		(C)sh: 3/8		
					a	Original					part no: 6STD15PAR99E20X				
					rev.	description	date	name							

Directive 2002/95/EC RoHS compliant

CONEC



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



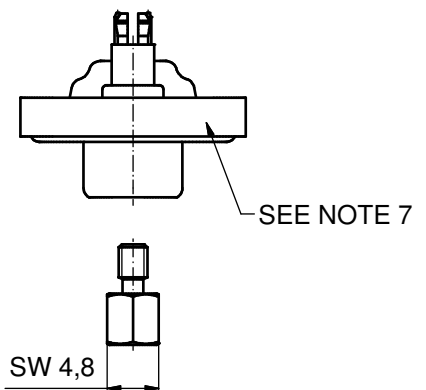
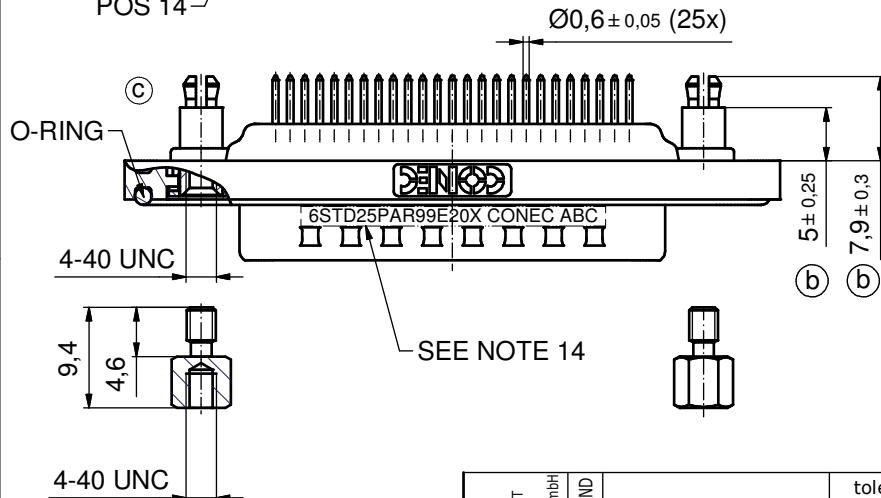
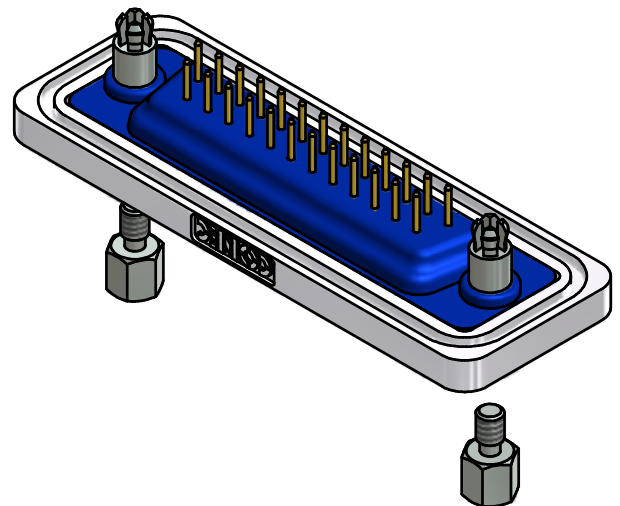
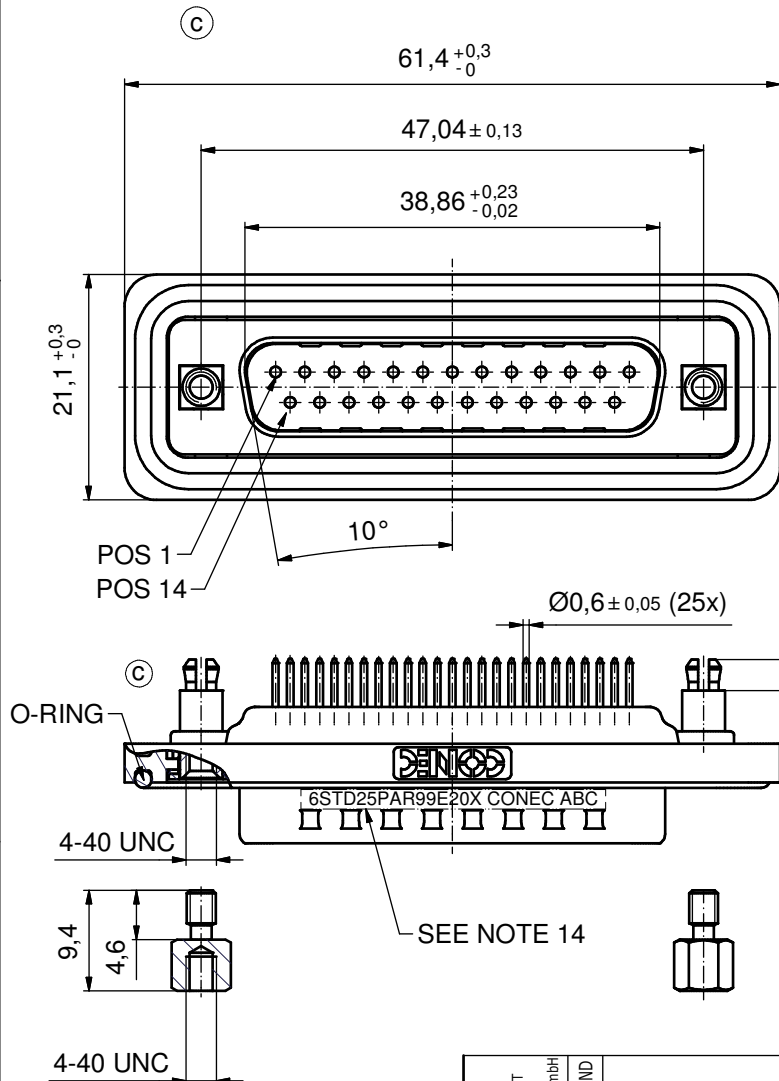
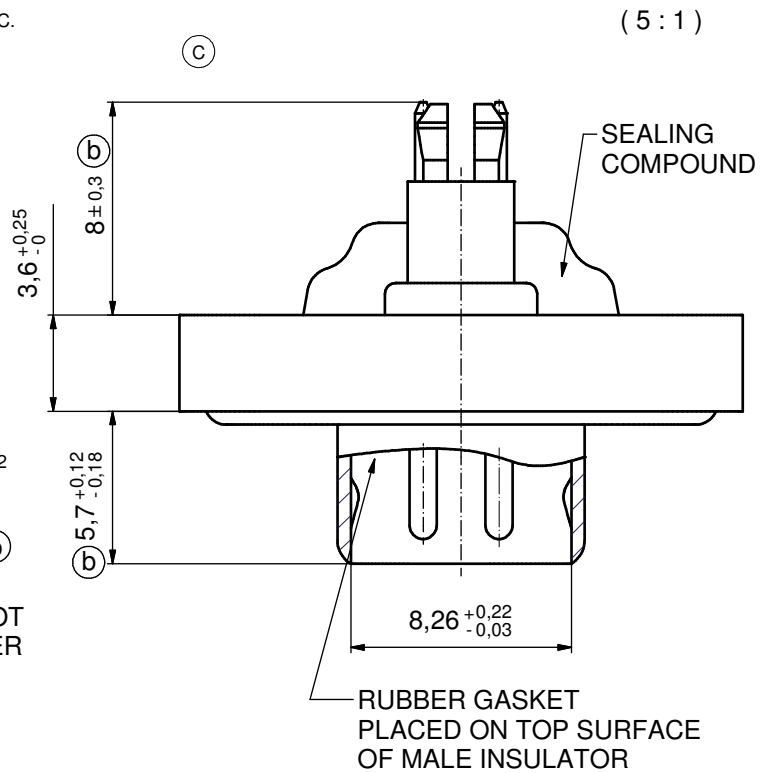
RECOMMENDED PANEL CUT-OUT

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: 3:1		
								material: SEE SHEET 3		
					date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB Male 15pos. Solder pin straight	dwg no:	DIN-A3 sh: 4/8	
					drawn	04.02.04				Lehmenkühler
					appd.	04.02.04				Mickenbecker
					norm	DIN 41652				
					d-old					
	3 x b	Ä3963	11.04.2011	K.H.				18K2A245		
	a	Original								
	rev.	description	date	name				part no: SEE SHEET 3		

NOTES: (C)

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. RUBBER GASKET: TPE; BLACK
10. SEALING COMPOUND: PUR; BLUE
11. HEXLOCKING SCREWS: STAINLESS STEEL
12. P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
13. RECOMMENDED TORQUE FOR MOUNTING SCREW 35Nm (3.1 in.LB) / max. 40Nm (3.5 in.LB)
14. CONNECTOR IS PART MARKED: 6STD25PAR99E20X CONEC ABC (b)

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

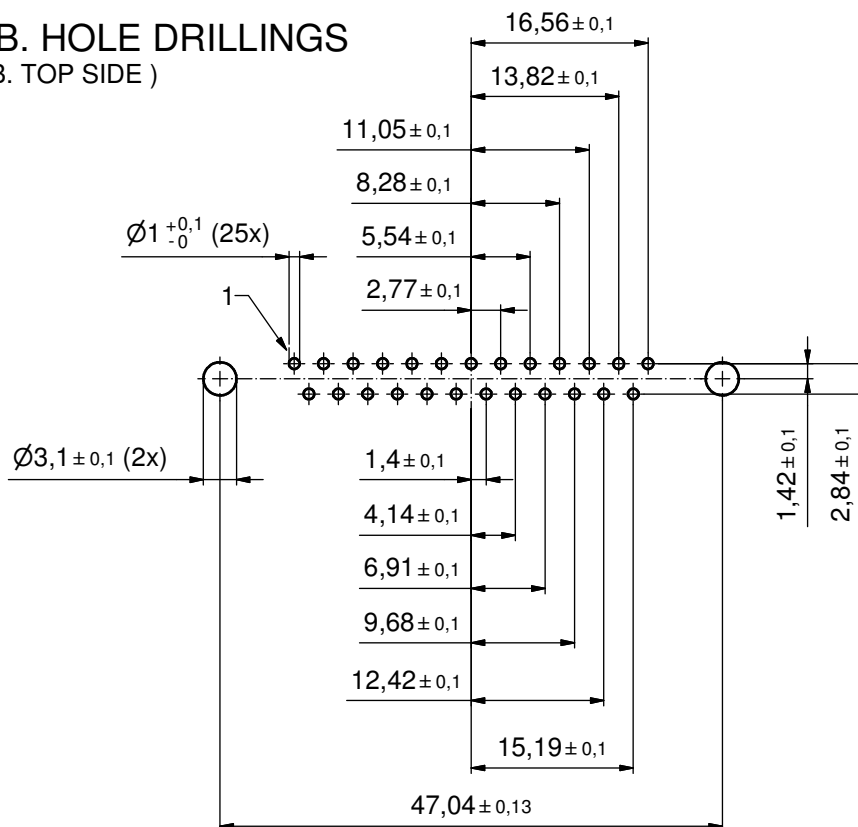


Directive 2002/95/EC RoHS compliant

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							material: SEE NOTES		
							title: D-SUB MALE 25pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw		
DO NOT ALTER CAD DRAWING BY HAND				drawn	04.02.04	Lehmenkühler		dwg no: 18K2A245 	DIN-A3
				appd.	04.02.04	Mickenbecker			sh: 5/8
				norm	DIN 41652				
				5 x c	Ä3963	11.04.2011	K.H.		d-old
5 x b	Ä1983	31.03.2004	Mkf.						
a	Original								
rev.	description	date	name						

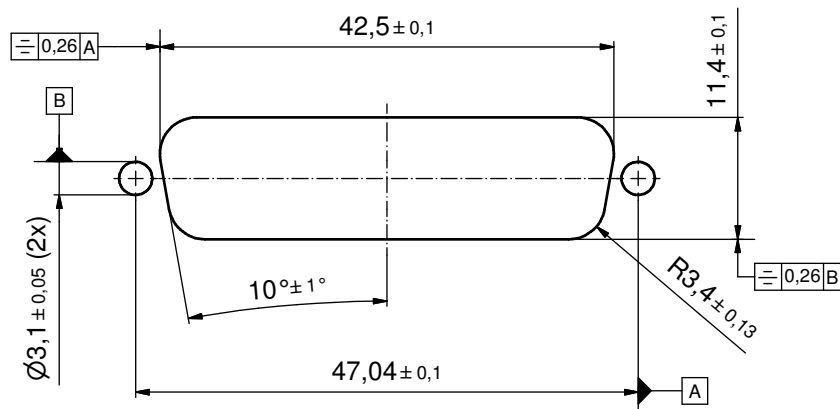
P.C.B. HOLE DRILLINGS (P.C.B. TOP SIDE)

(b)



RECOMMENDED PANEL CUT-OUT

(b)



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								material: SEE SHEET 5		
						date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 25pos. SOLDER PIN STRAIGHT		
					drawn	04.02.04	Lehmenkühler			
					appd.	04.02.04	Mickenbecker			
					norm					
					d-old					
	3 x b	Ä3963	11.04.2011	K.H.				dwg no:		DIN-A3
	a	Original		18K2A245				(b)	sh: 6/8	
	rev.	description	date	name				part no:		SEE SHEET 5

CONEC®

(b)

DIN-A3
sh: 6/8

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: ø3,1± 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. RUBBER GASKET: TPE; BLACK
10. SEALING COMPOUND: PUR; BLUE
11. HEXLOCKING SCREWS: STAINLESS STEEL
12. P.C.B. HOLE DRILLINGS + RECOMMENDED PANEL CUT-OUT ON SHEET 2
13. RECOMMENDED TORQUE FOR MOUNTING SCREW 35Ncm (3.1 in.LB) /
max. 40Ncm (3.5 in.LB)
14. CONNECTOR IS PART MARKED: 6STD37PAR99E20X CONEC ABC (b)

Technical drawing of a female insulator (Fig. 10) showing dimensions and assembly details. The drawing includes a side view and a cross-sectional view (c) of the insulator assembly.

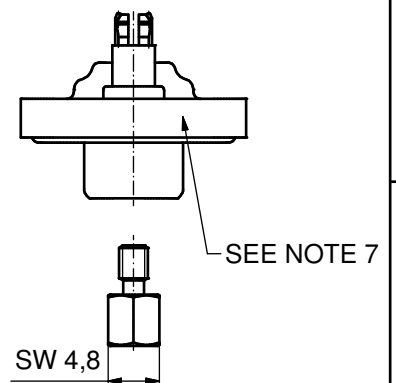
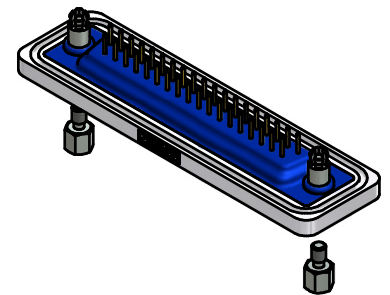
Dimensions:

- Overall height: $3,6^{+0,25}_{-0}$
- Height of the central part: $8^{+0,3}_{-0}$
- Height of the base: $5,7^{+0}_{-0,31}$
- Width of the base: $8,26^{+0,22}_{-0,03}$

Assembly Details:

- SEALING COMPOUND:** Indicated by an arrow pointing to the compound applied around the central part of the insulator.
- RUBBER GASKET PLACED ON TOP SURFACE OF MALE INSULATOR:** Indicated by an arrow pointing to the gasket on the top surface of the male insulator.

Section (c): A cross-sectional view of the insulator assembly, showing the internal structure and the rubber gasket.



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							material: SEE NOTES	
					date	name	title: D-SUB MALE 37pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw	
					drawn	04.02.04 Lehmenkühler		
					appd.	04.02.04 Mickenbecker		
					norm			
	5 x c	Ä3963	11.04.2011	K.H.	d-old		dwg no: 18K2A245 	
	5 x b	Ä1983	31.03.2004	Mkf.				
	a	Original						
	rev.	description	date	name				
						part no: 6STD37PAR99E20X		
						DIN-A3 sh: 7/8		



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

- Overall length: $59,1 \pm 0,1$
- Overall width: $11,4 \pm 0,1$
- Overall height: $\varnothing 3,1 \pm 0,05 (2x)$
- Internal length: $63,5 \pm 0,1$
- Internal width: $10^\circ \pm 1^\circ$
- Internal height: $R3,4 \pm 0,13$
- Surface finish: $\sqrt{0,26} A$ and $\sqrt{0,26} B$

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								material: SEE SHEET 7		
					drawn	04.02.04	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 37pos. SOLDER PIN STRAIGHT		
					appd.	04.02.04	Mickenbecker			
					norm					
					d-old					
	3 x b	Ä3963	11.04.2011	K.H.			dwg no:		DIN-A3	
	a	Original					18K2A245		(b)	sh: 8/8
	rev.	description	date	name			part no:		SEE SHEET 7	