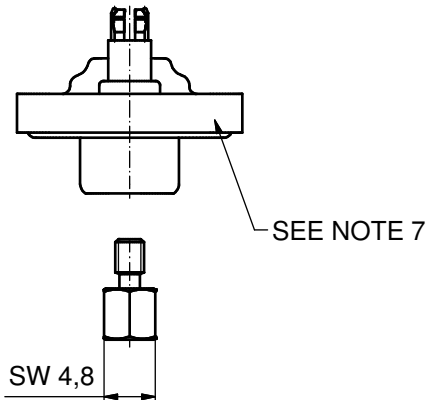
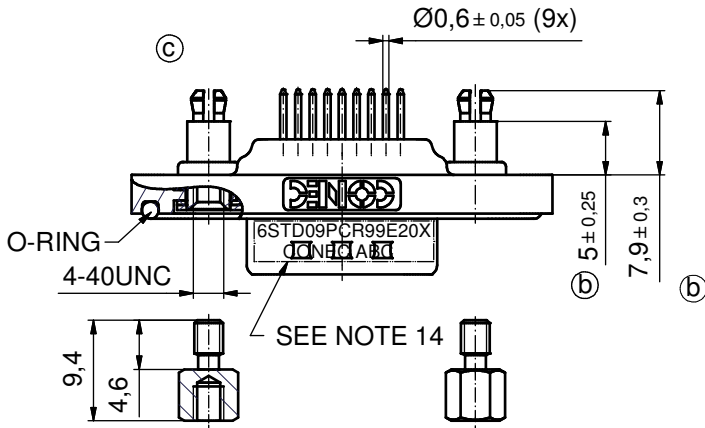
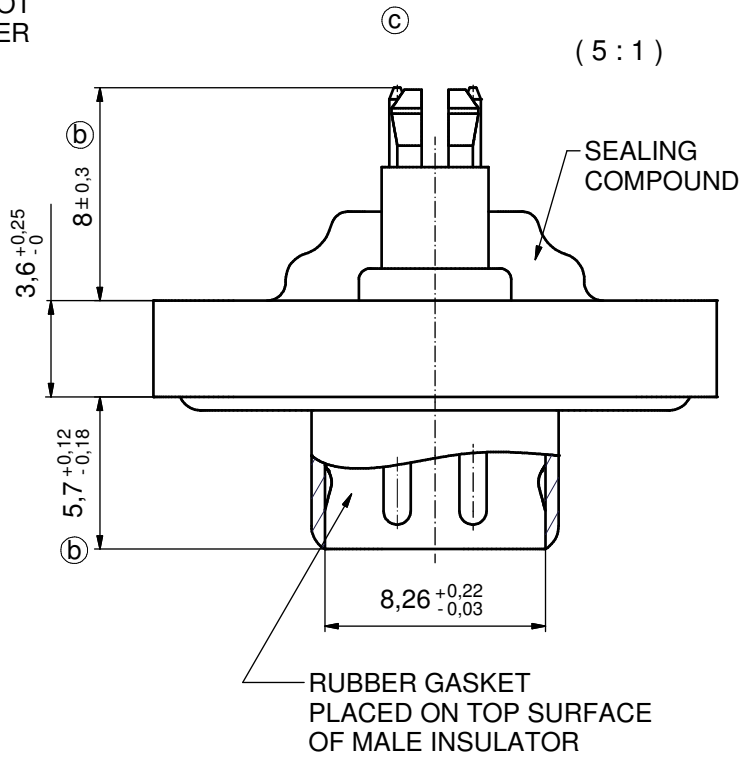
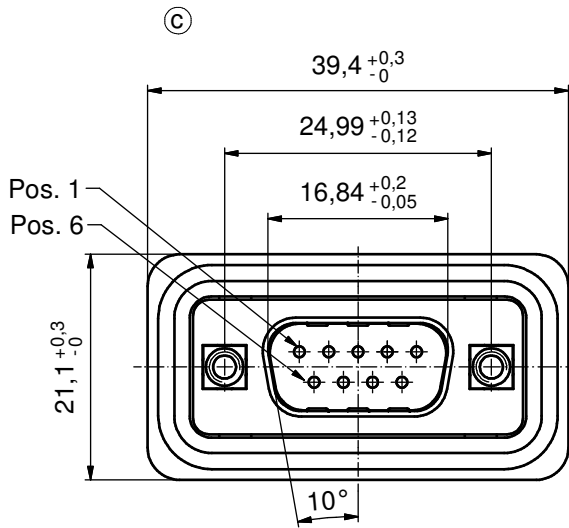
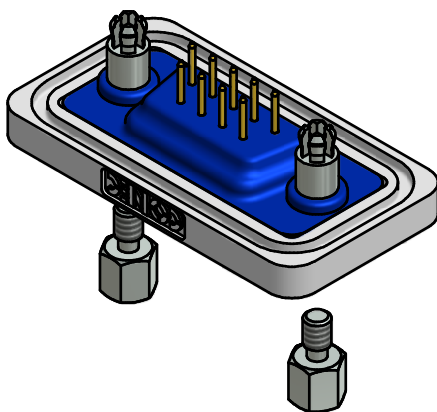


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



NOTES: (C)

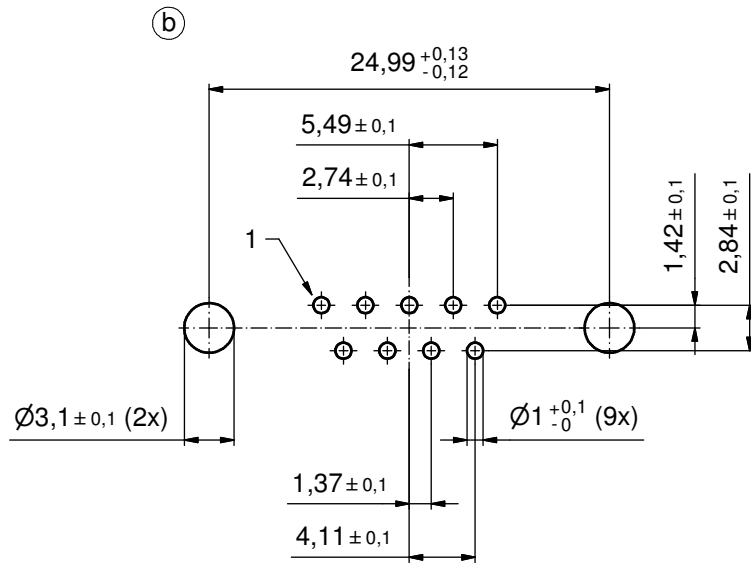
1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
PLATING: 30µm HARD GOLD over min. 50µm NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: ø3,1±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. 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: [6STD09PCR99E20X CONEC ABC] (b)



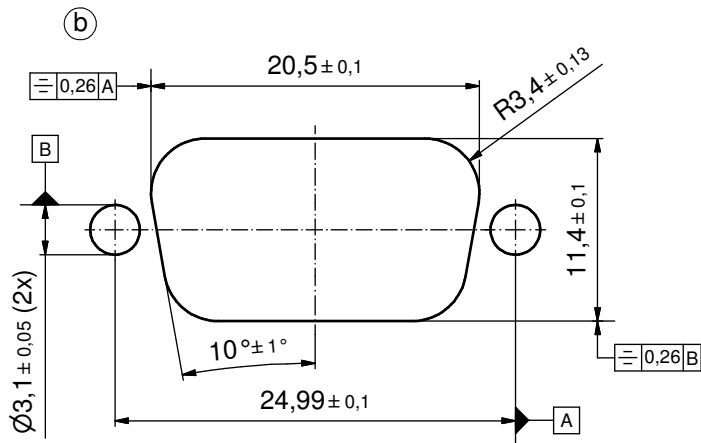
Directive 2002/95/EC RoHS compliant

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 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: 18K1A245	
5 x b	Ä1983	31.03.2004	Mkf.			
a	Original				DIN-A3 sh: 1/8	
rev.	description	date	name		part no: 6STD09PCR99E20X	



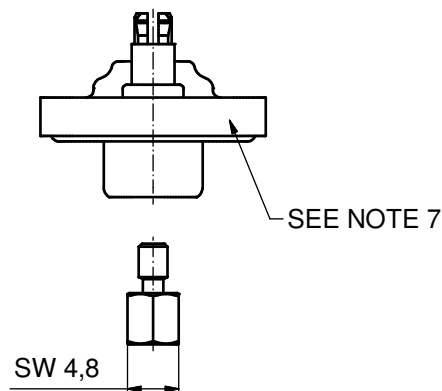
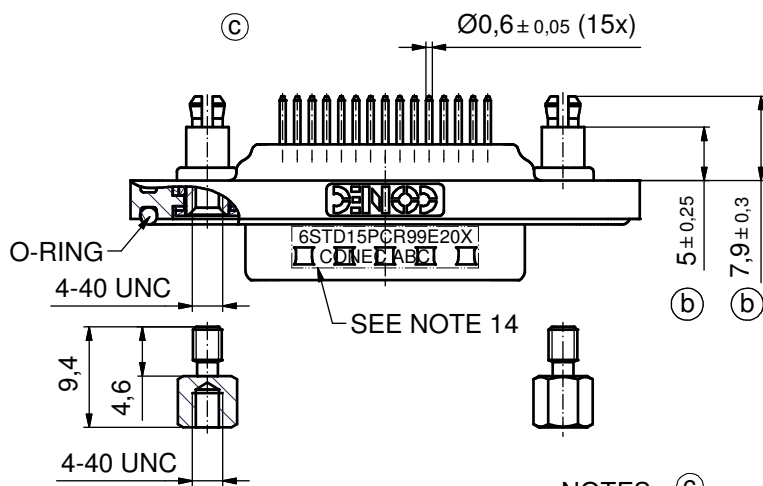
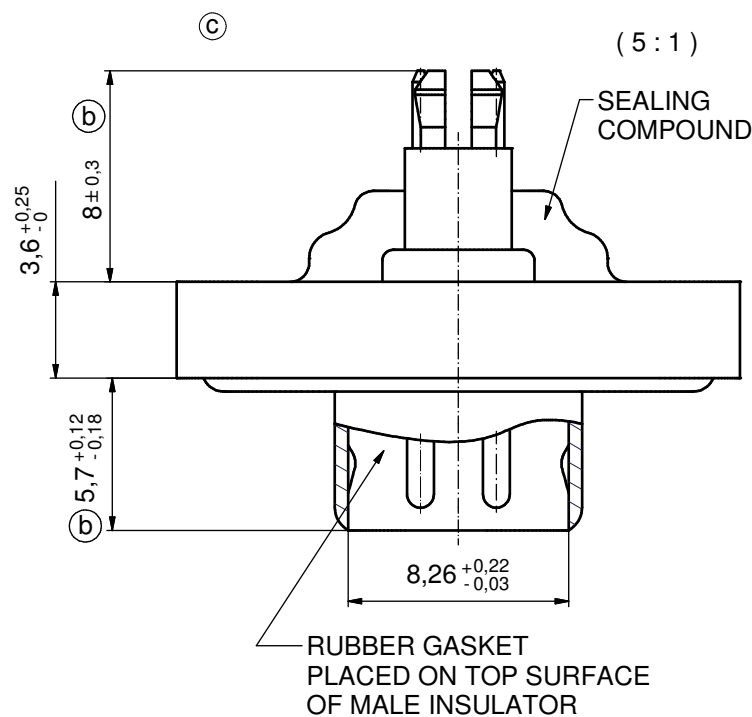
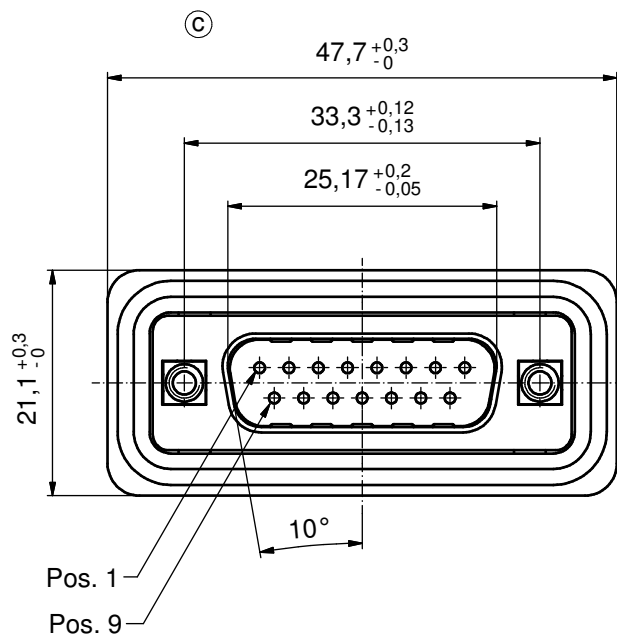


P.C.B. HOLE DRILLINGS
(P.C.B. TOP SIDE)



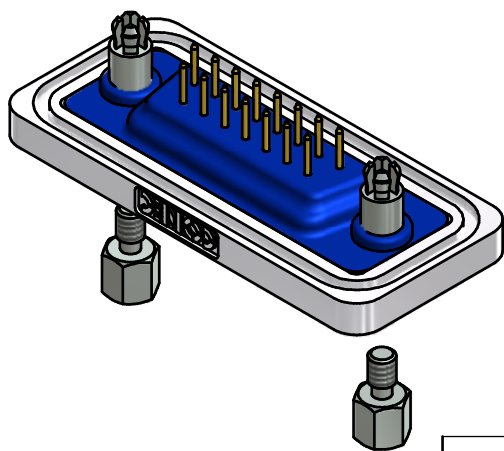
RECOMMENDED PANEL CUT-OUT

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				date	name	material: SEE SHEET 1
				drawn	04.02.04	Lehmenkühler
				appd.	04.02.04	Mickenbecker
				norm		
			d-old			title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 9pos. Solder pin straight
3 x b	A3963	11.04.2011	K.H.	CONEC [®]		dwg no:
a	Original					18K1A245
rev.	description	date	name			(b) sh: 2/8
						part no: SEE SHEET 1



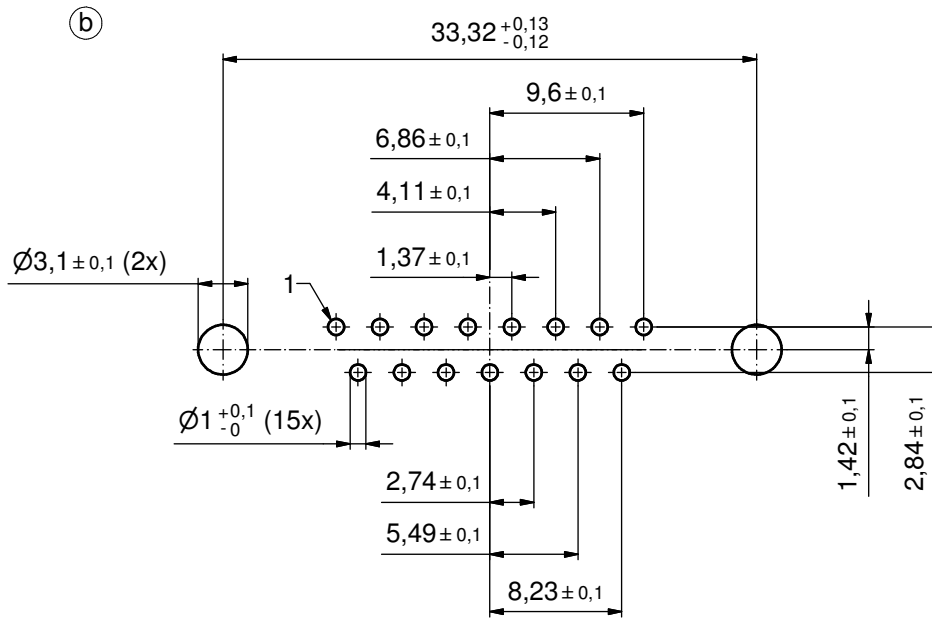
NOTES: (C)

1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
PLATING: 30µm HARD GOLD over min. 50µm NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
PCB-HOLE: $\phi 3,1 \pm 0,1$; 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. 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: 6STD15PCR99E20X CONEC ABC (b)

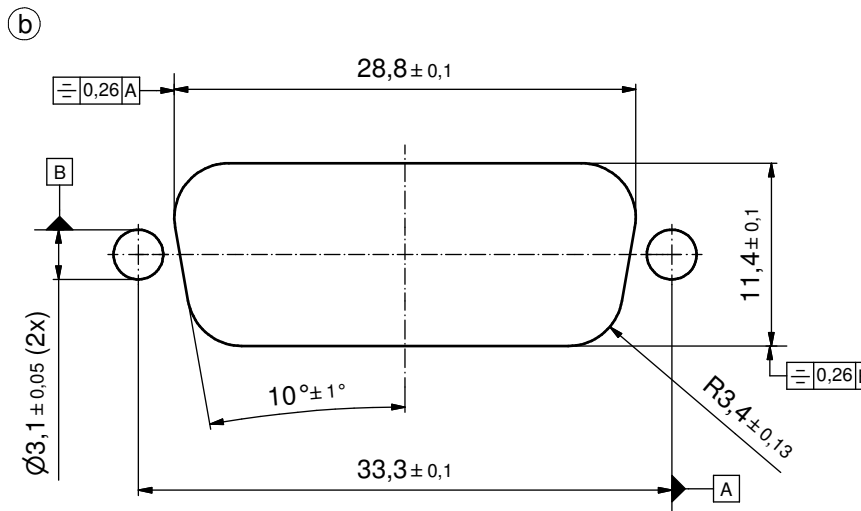


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									material:
				date	name	title: D-SUB MALE 15pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw			
				drawn	04.02.04				Lehmenkühler
				appd.	04.02.04				Mickenbecker
				norm	DIN 41652				
5 x c	Ä3963	11.04.2011	K.H.	d-old	dwg no:			DIN-A3	
5 x b	Ä1983	31.03.2004	Mkf.						
a	Original				part no:			(C)sh: 3/8	
rev.	description	date	name						
				CONEC		18K1A245			
						6STD15PCR99E20X			



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



RECOMMENDED PANEL CUT-OUT

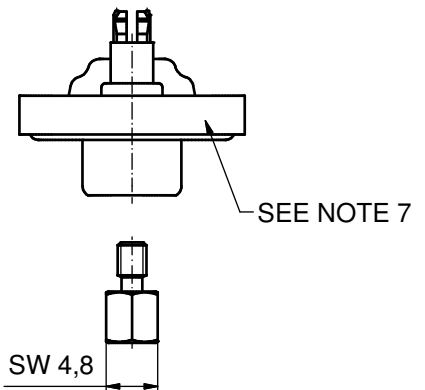
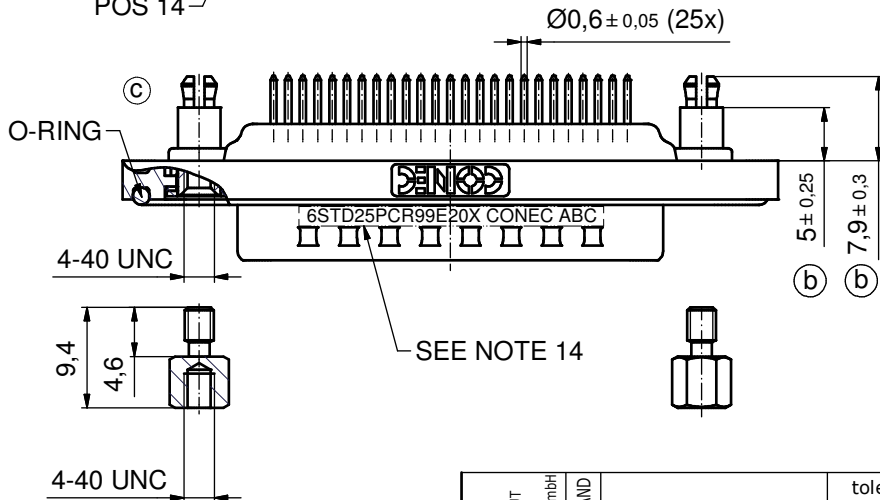
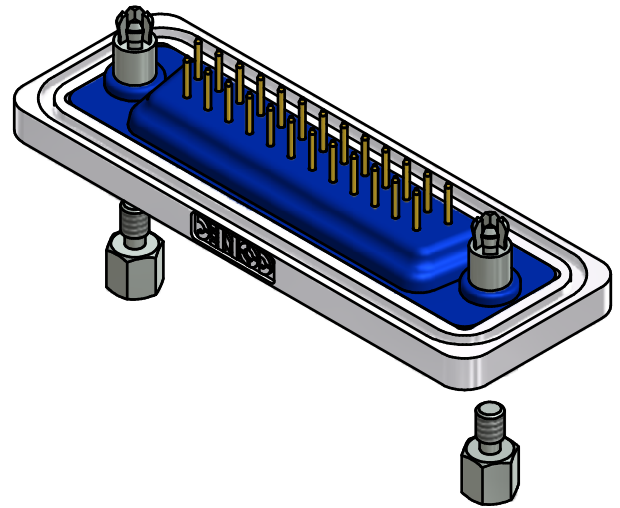
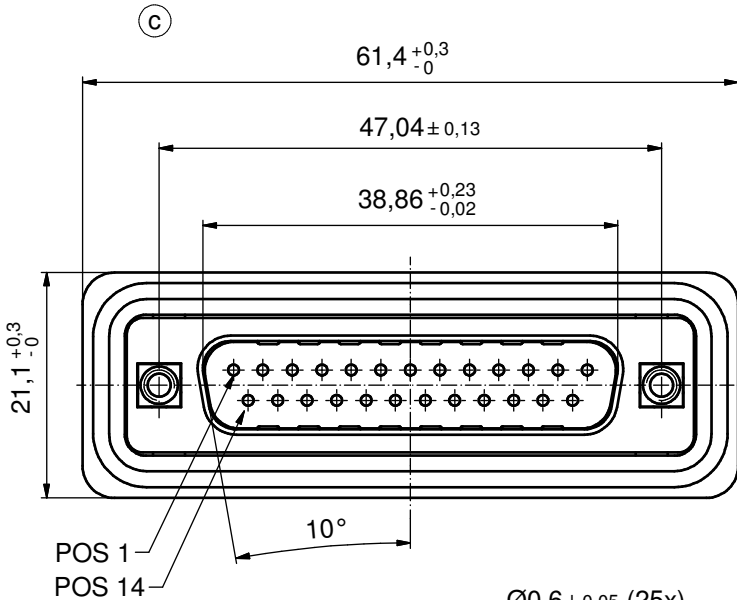
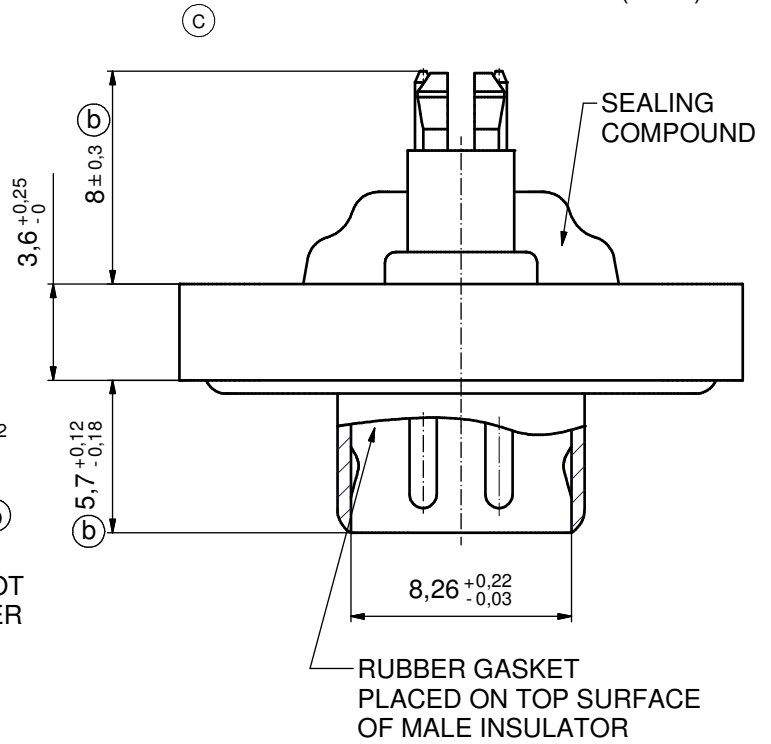
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND				tolerance		dim. in mm	scale: 3:1	
							material: SEE SHEET 3	
				date	name		title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB Male 15pos. Solder pin straight	
				drawn	04.02.04 Lehmenkühler			
				appd.	04.02.04 Mickenbecker			
			norm		DIN 41652		dwg no:	
			d-old			18K1A245		DIN-A3
			3 x b	A3963	11.04.2011	K.H.	sh: 4/8	
			a	Original			(b)	
			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: 30µin HARD GOLD over min. 50µin 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: 6STD25PCR99E20X 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.

(5:1)

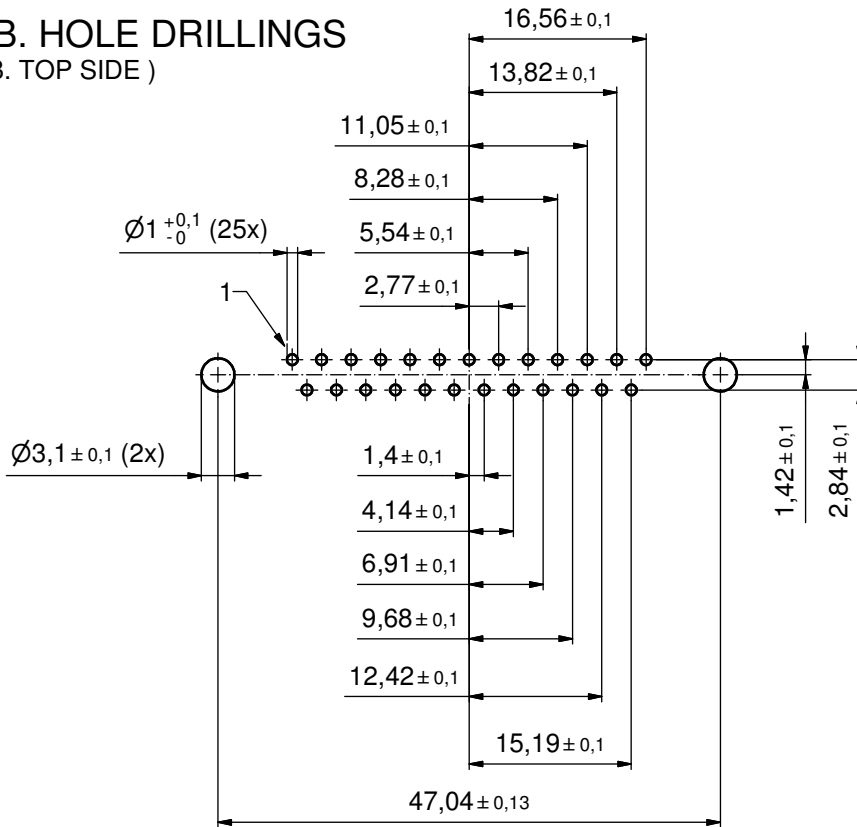


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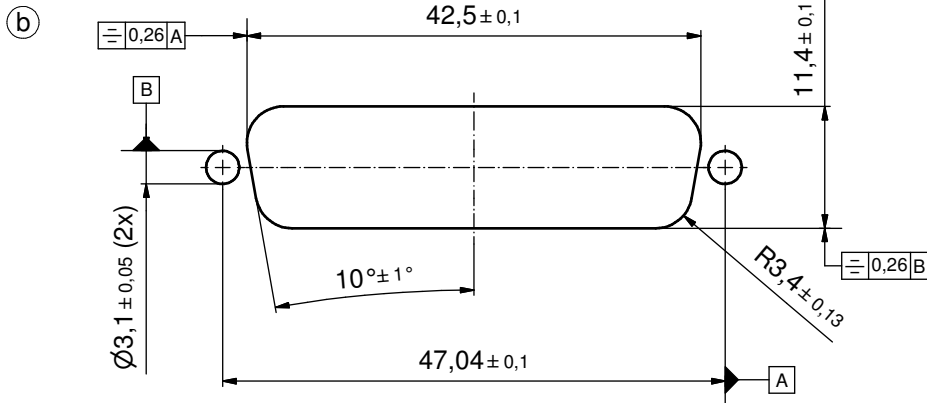
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND				tolerance		dim. in mm		scale: 2:1 (5:1)	
				date		name		material: SEE NOTES	
				drawn	04.02.04	Lehmenkühler		title: D-SUB MALE 25pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw	
				appd.	04.02.04	Mickenbecker			
norm		DIN 41652		dwg no:		DIN-A3			
5 x c	Ä3963	11.04.2011	K.H.	d-old	part no:		18K1A245 (C) sh: 5/8		
5 x b	Ä1983	31.03.2004	Mkf.	part no:		6STD25PCR99E20X			
a	Original								
rev.	description	date	name	CONEC					

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

(b)



RECOMMENDED PANEL CUT-OUT

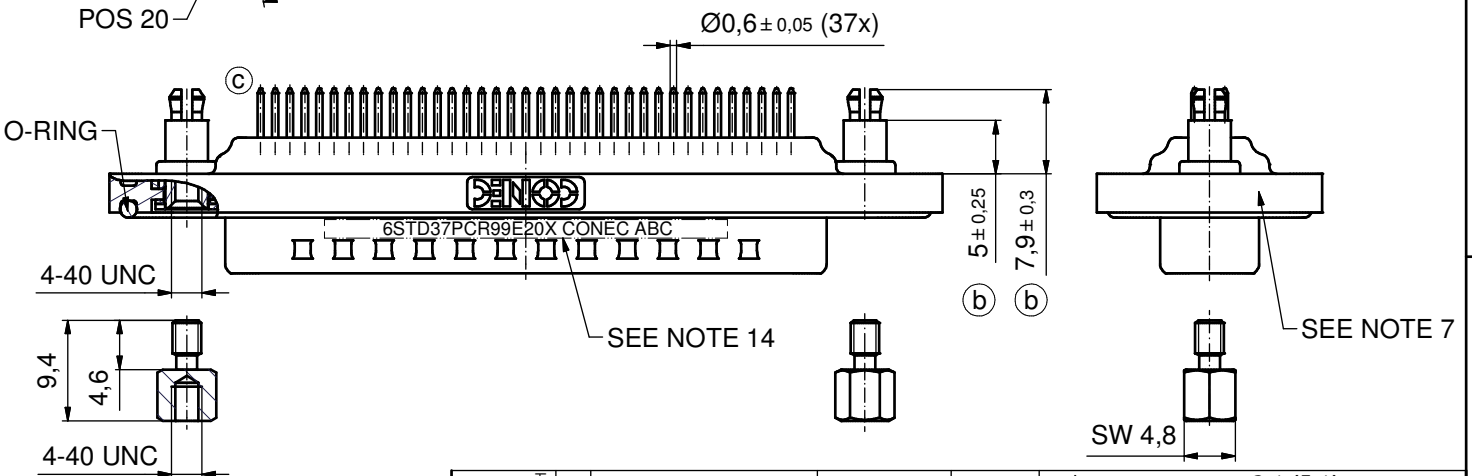
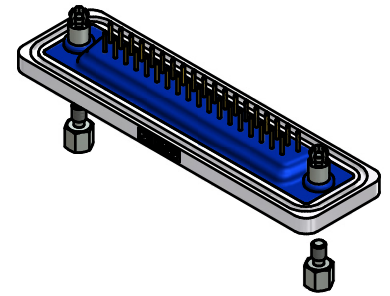
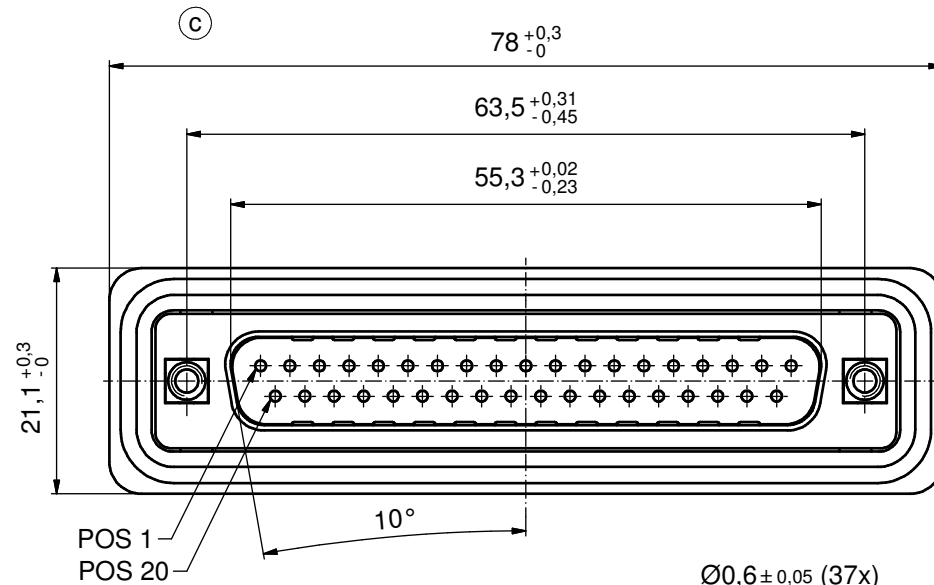
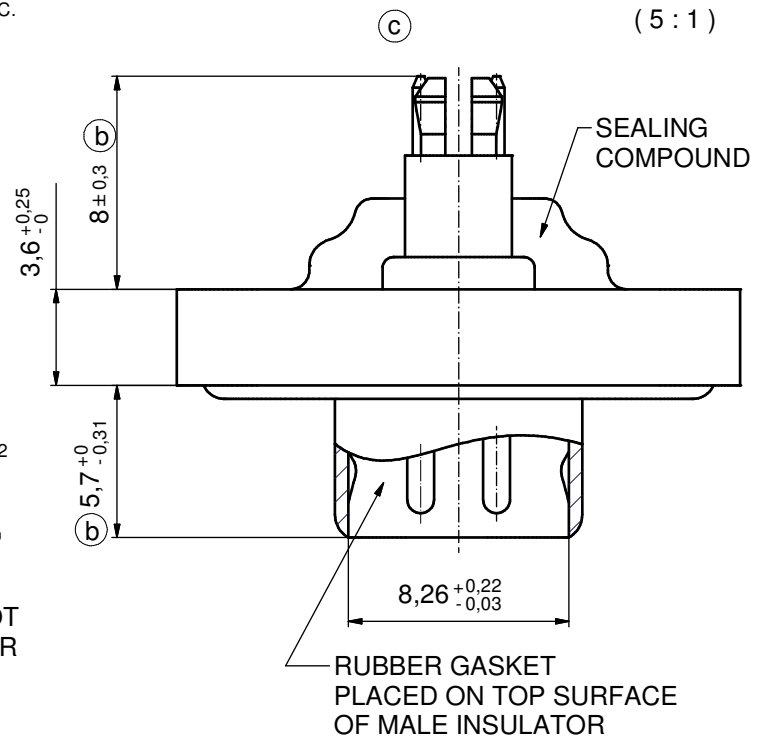


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				date	name	material: SEE SHEETS	
				drawn	04.02.04	Lehmenkühler	
				appd.	04.02.04	Mickenbecker	
				norm			
			d-old			title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 25pos. SOLDER PIN STRAIGHT	
3 x b	A3963	11.04.2011	K.H.	CONEC [®]		dwg no: 18K1A245	DIN-A3
a	Original					(b) sh: 6/8	
rev.	description	date	name			part no: SEE SHEETS5	

NOTES: (C)

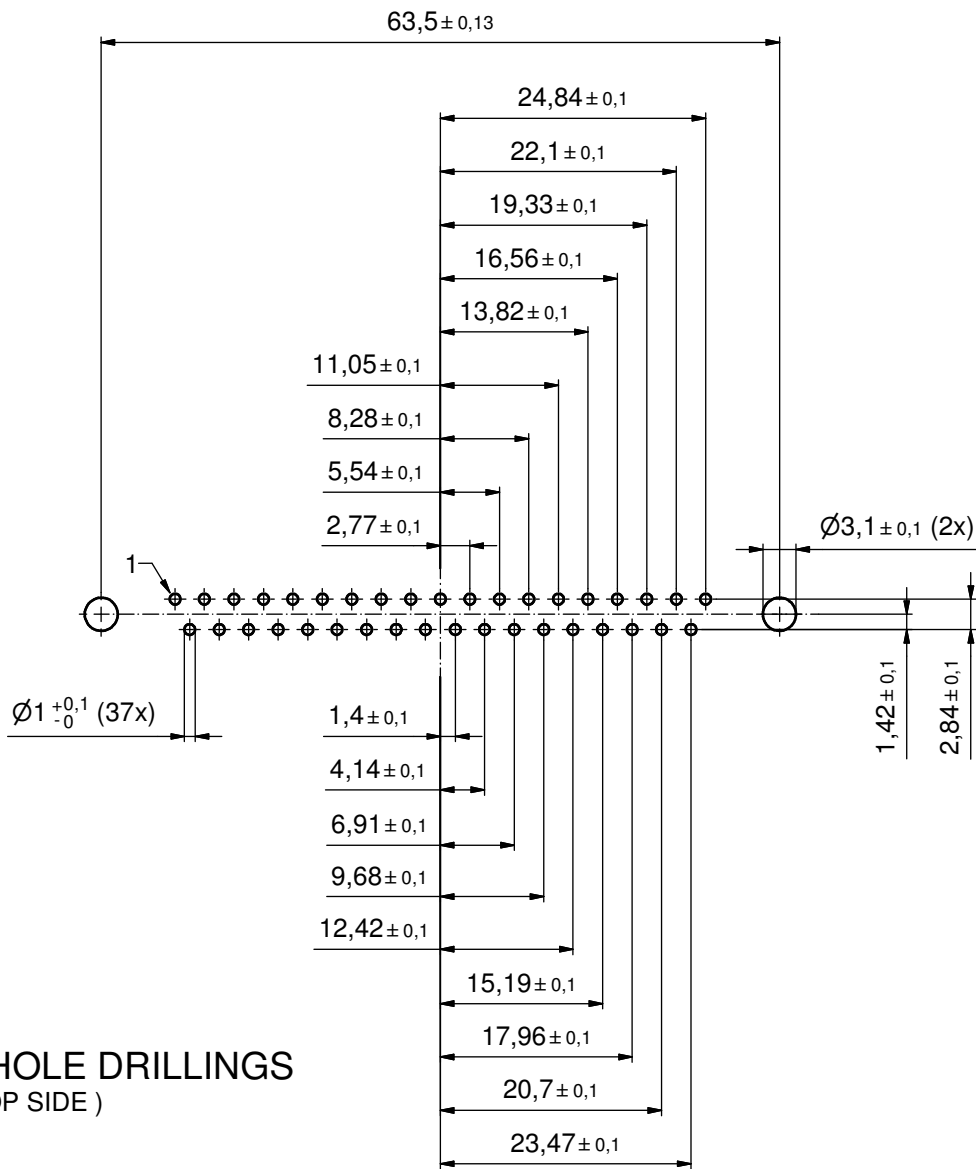
- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: 30µin HARD GOLD over min. 50µin NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY;
min. 200µin TIN over 80µin NICKEL
PCB-HOLE: $\varnothing 3,1 \pm 0,1$; PCB THICKNESS 1,6mm
- COLLARS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
- FRAME: ZINC DIE CAST; NICKEL PLATED
- O-RING: SILICON; BLUE
- 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: 6STD37PCR99E20X 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.



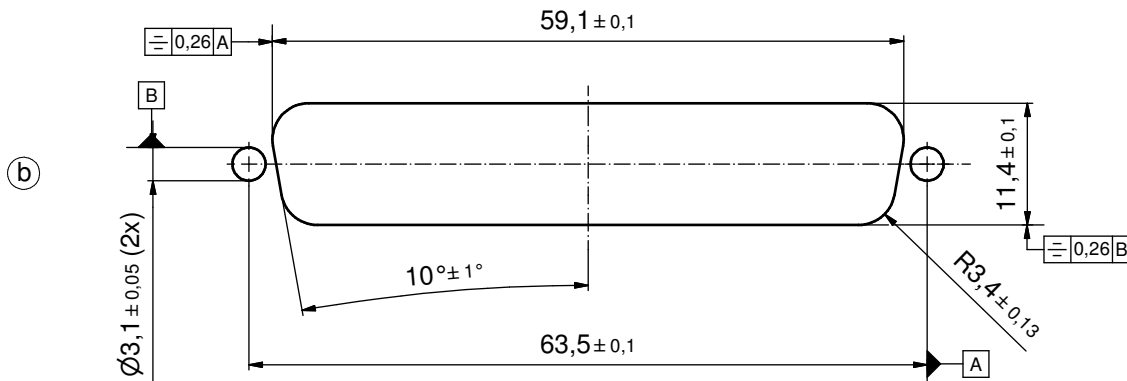
THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH DO NOT ALTER CAD DRAWING BY HAND	tolerance		dim. in mm		scale: 2:1 (5:1)
					material: SEE NOTES
	drawn	04.02.04	Lehmenkühler		title: D-SUB MALE 37pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw
	appd.	04.02.04	Mickenbecker		
	norm				
5 x c	Ä3963	11.04.2011	K.H.	d-old	dwg no:
5 x b	Ä1983	31.03.2004	Mkf.		18K1A245
a	Original				
rev.	description	date	name		
					DIN-A3
					sh: 7/8
					part no: 6STD37PCR99E20X

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

RECOMMENDED PANEL CUT-OUT



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							material: SEE SHEET 7		
				date	name		title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 37pos. SOLDER PIN STRAIGHT		
				drawn	04.02.04	Lehmenkühler			
				appd.	04.02.04	Mickenbecker			
			norm			dwg no: 18K1A245			
			d-old					DIN-A3	
3 x b	A3963	11.04.2011	K.H.			part no: SEE SHEET 7			
a	Original					sh: 8/8			