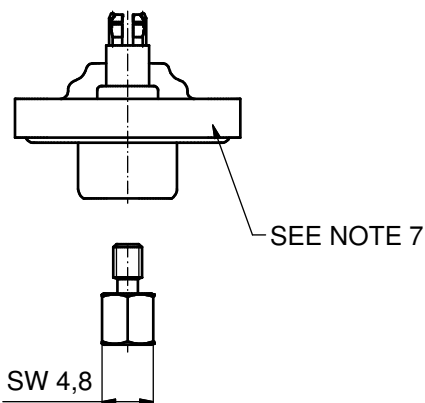
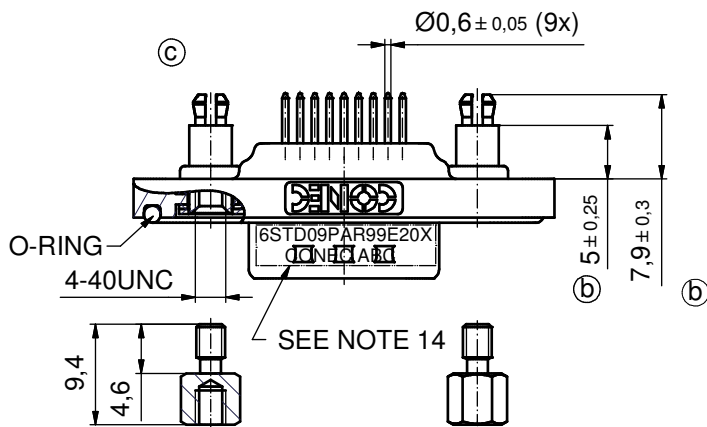
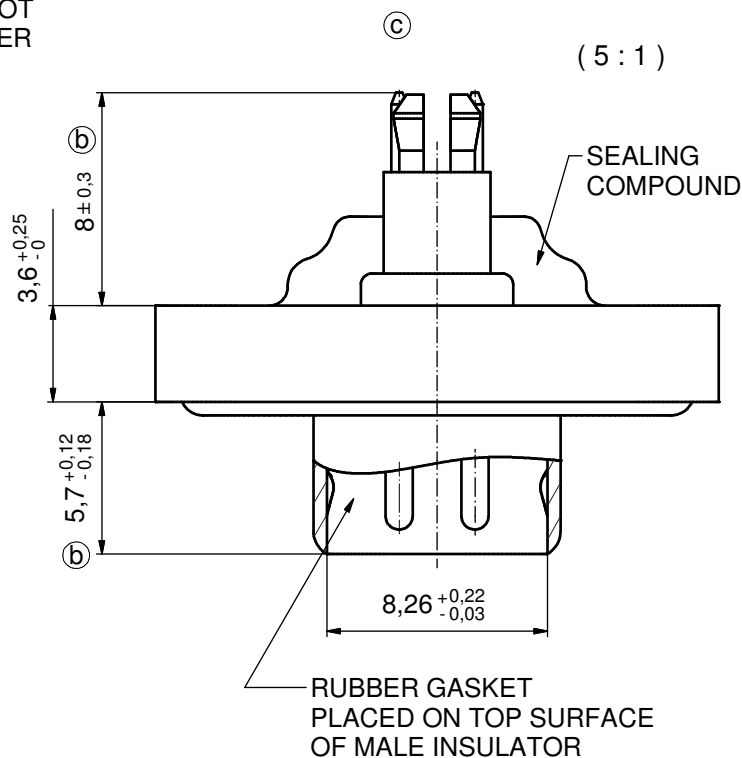
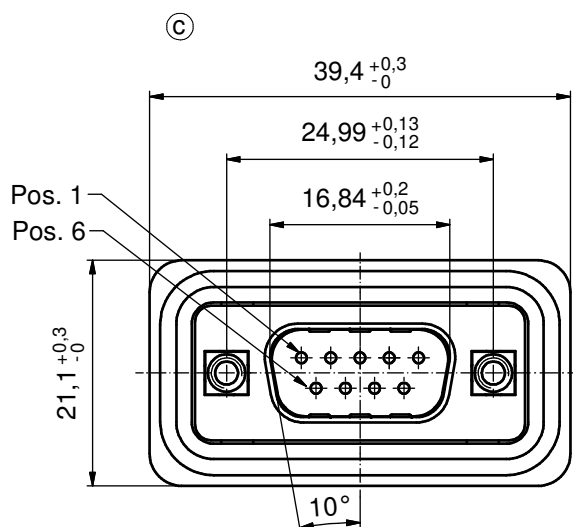
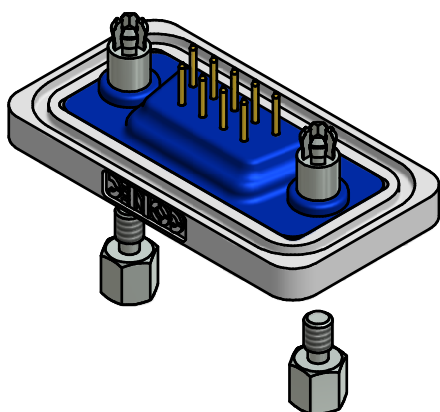


AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.



NOTES:

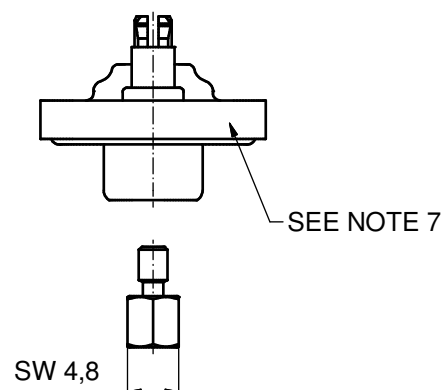
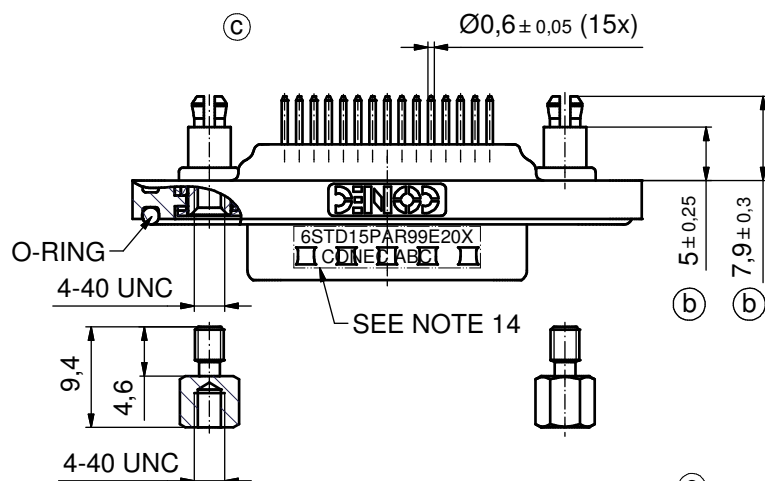
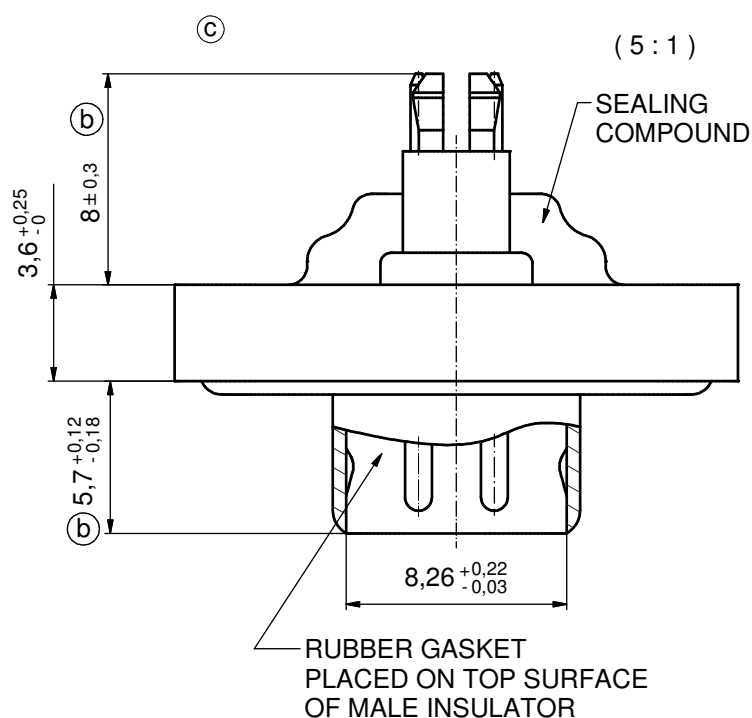
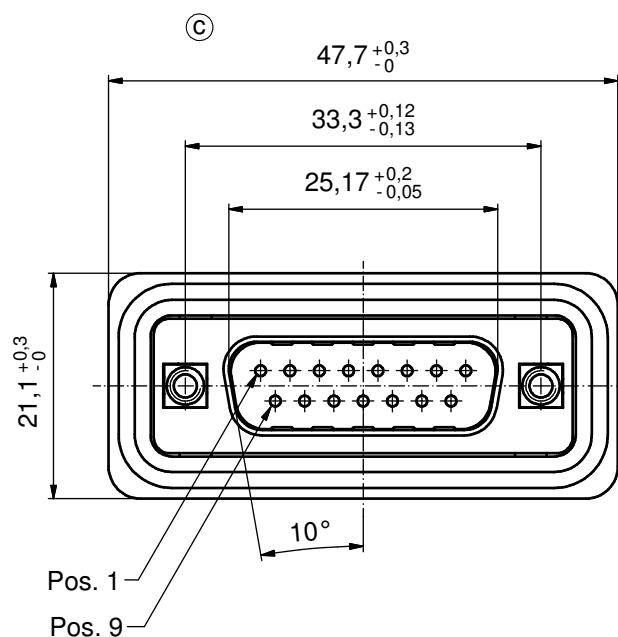
- FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
- METALSHELLS: COPPER ALLOY; min. 315µm TIN over 40-80µm NICKEL
- INSULATORS: PBT GF UL 94 V-0; BLACK
- CONTACTS: COPPER ALLOY
PLATING: GOLD FLASH over NICKEL
- THREADED SPACER CLIPS: COPPER ALLOY; min. 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



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 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: 18K2A245 ©	
	5 x b	Ä1983	31.03.2004	Mkf.				
	a	Original					sh: 1/8	
	rev.	description	date	name				
							part no: 6STD09PAR99E20X	

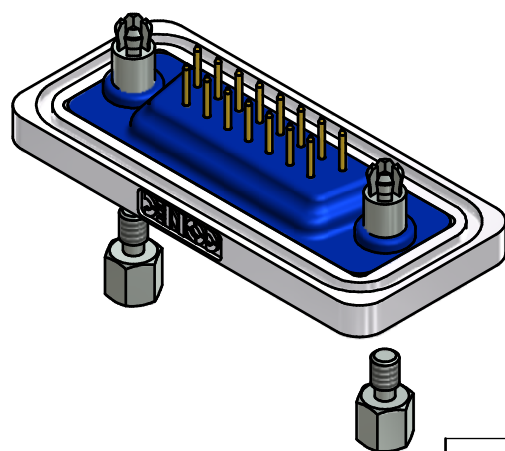


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH					tolerance		 dim. in mm	scale: 3:1			
								material: SEE SHEET 1			
					date	name	title: P.C.B. HOLE DRILLINGS RECOMMENDED PANEL CUT-OUT D-SUB MALE 9pos. Solder pin straight				
					drawn	04.02.04 Lehmenkühler					
					appd.	04.02.04 Mickenbecker					
					norm						
					d-old		dwg no:		DIN- A3 (b) sh: 2/8		
	3 x b	Ä3963	11.04.2011	K.H.						18K2A245	
	a	Original									
	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				tolerance		 dim. in mm	scale: 2:1 (5:1)				
							material: SEE NOTES				
				DO NOT ALTER CAD DRAWING BY HAND				date	name	title: D-SUB MALE 15pos. SOLDER PIN STRAIGHT with threaded spacer clip and hexlocking screw	
								drawn	04.02.04		
				appd.	04.02.04	Mickenbecker	dwg no: 18K2A245 part no: 6STD15PAR99E20X				
				norm	DIN 41652						
5 x c	Ä3963	11.04.2011	K.H.	d-old					DIN-A3 sh: 3/8		
5 x b	Ä1983	31.03.2004	Mkf.								
a	Original										
rev.	description	date	name								

CONEC

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: 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			
					d-old		dwg no:		DIN-A3
	3 x b	Ä3963	11.04.2011	K.H.			18K2A245		(b) sh: 4/8
	a	Original					part no: SEE SHEET 3		
	rev.	description	date	name					

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 35Ncm (3.1 in.LB) /
max. 40Ncm (3.5 in.LB)
14. CONNECTOR IS PART MARKED: 6STD25PAR99E20X CONEC ABC

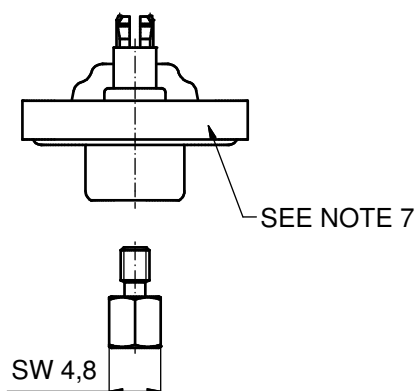
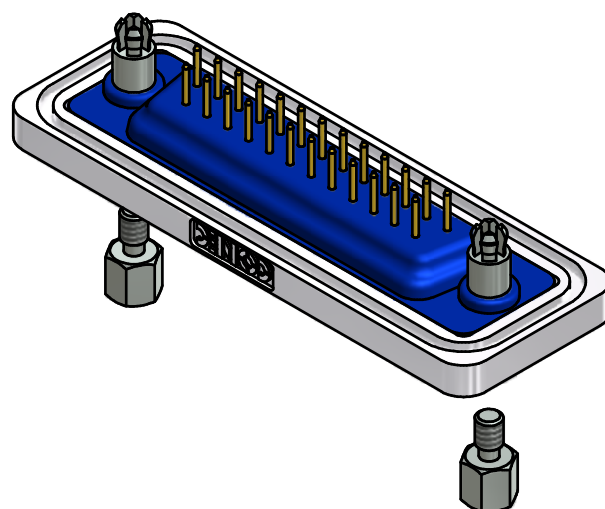
Technical drawing of a male insulator assembly, showing dimensions and components.

Dimensions:

- Overall height: $3,6^{+0,25}_{-0}$
- Height of the upper section: $8 \pm 0,3$
- Height of the lower section: $5,7^{+0,12}_{-0,18}$
- Width of the lower section: $8,26^{+0,22}_{-0,03}$

Components:

- SEALING COMPOUND
- RUBBER GASKET PLACED ON TOP SURFACE OF MALE INSULATOR

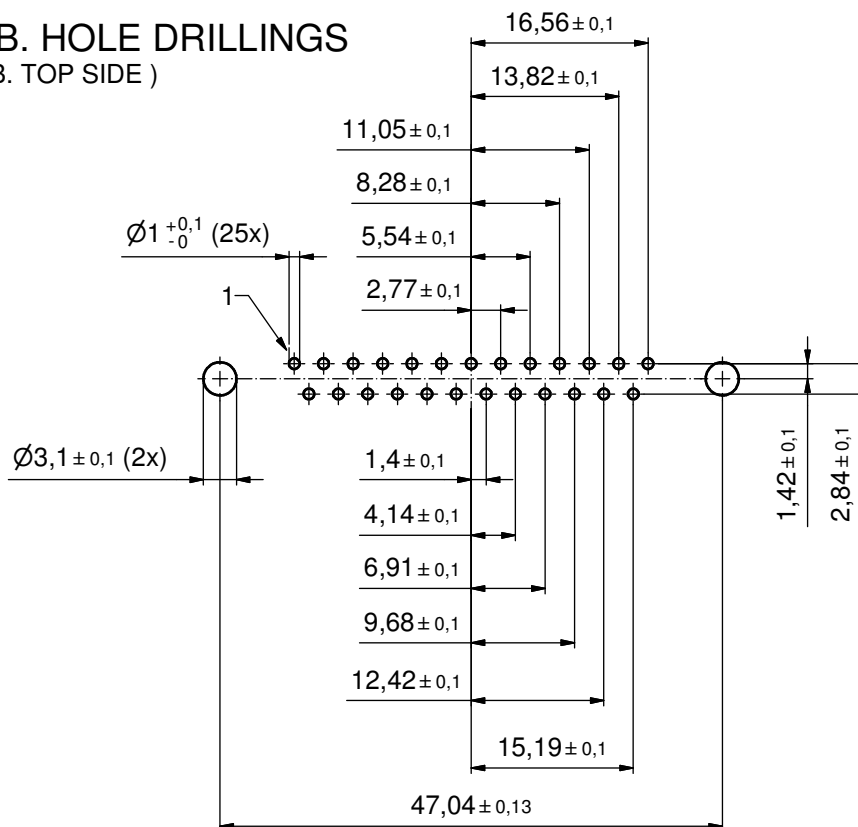


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH	DO NOT ALTER CAD DRAWING BY HAND				tolerance		 dim. in mm	scale: 2:1 (5:1)	material: SEE NOTES	
					date		name		title: D-SUB MALE 25pos. 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: 18K2A245  sh: 5/8		
	5 x b	Ä1983	31.03.2004	Mkf.						
	a	Original								
	rev.	description	date	name					part no:	6STD25PAR99E20X

Directive 2002/95/EC RoHS compliant

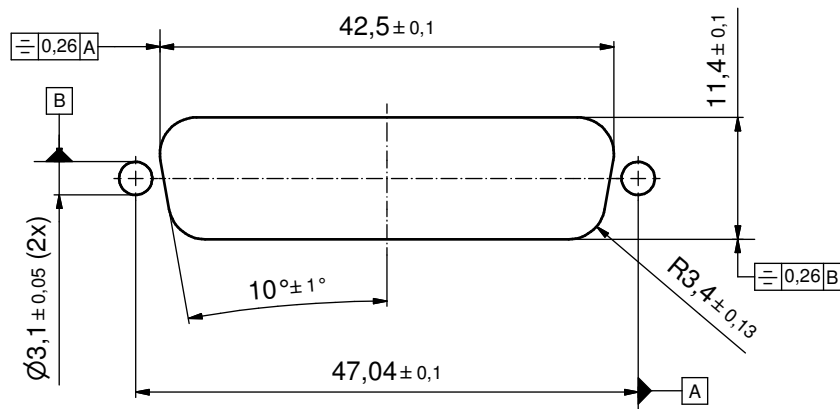
P.C.B. HOLE DRILLINGS (P.C.B. TOP SIDE)

(b)



RECOMMENDED PANEL CUT-OUT

(b)

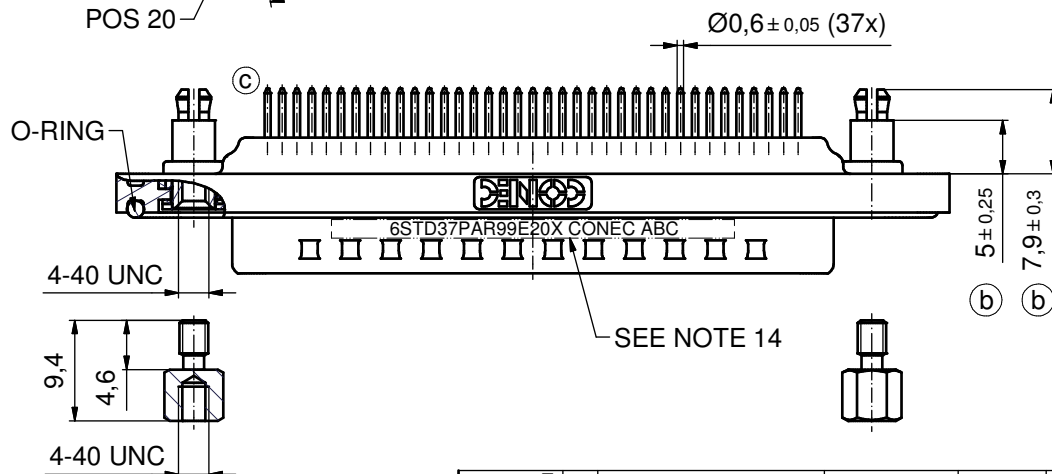
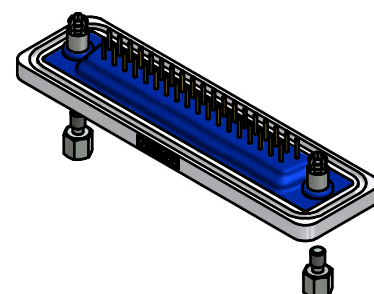
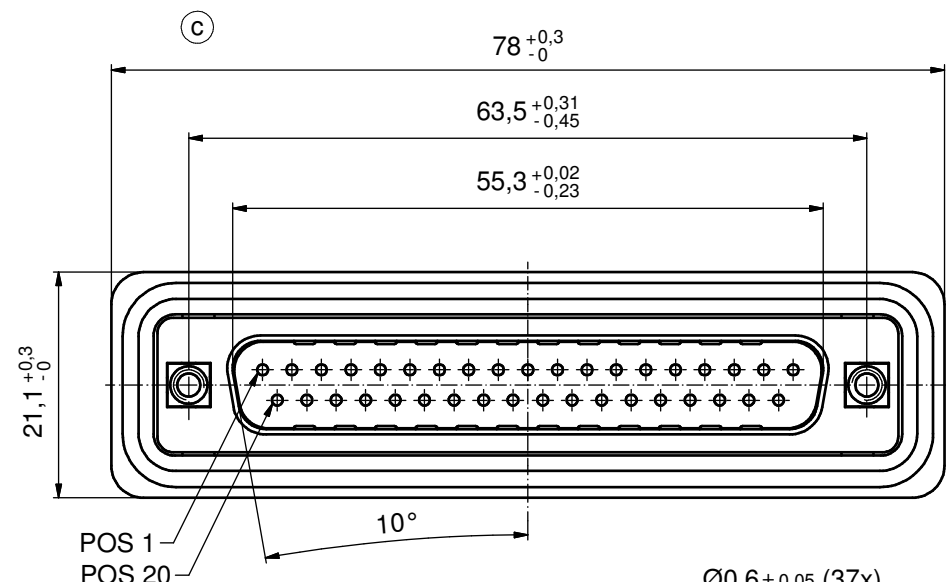
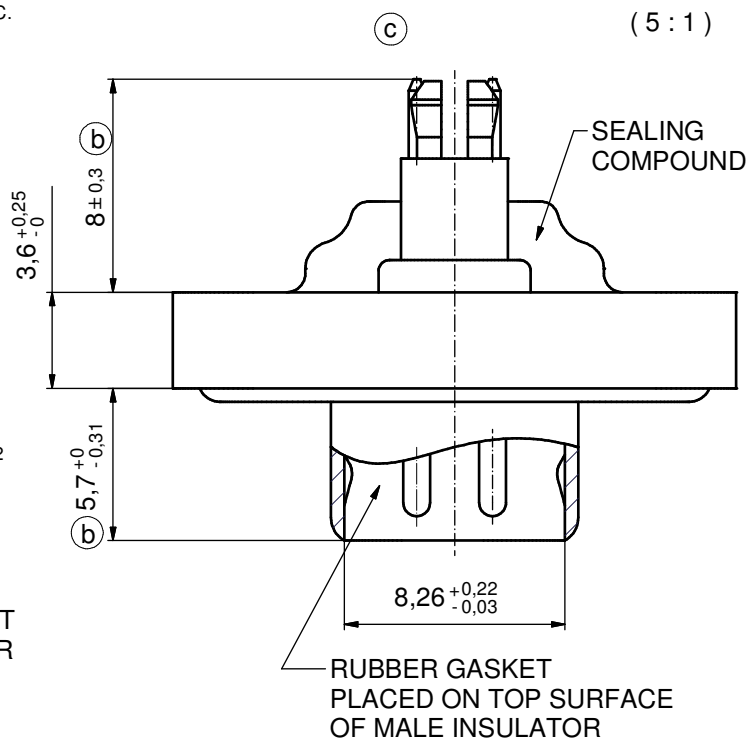


THIS DRAWING MAY NOT BE COPIED OR REPRODUCED IN ANY WAY, AND MAY NOT BE PASSED ON TO A THIRD PARTY WITHOUT WRITTEN PERMISSION. OWNERSHIP AND COPYRIGHT OF CONEC GmbH	DO NOT ALTER CAD DRAWING BY HAND				tolerance		 dim. in mm	scale: 2:1			
								material: SEE SHEET 5			
					date	name	title: P.C.B. HOLE 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			dwg no: 18K2A245			DIN-A3 sh: 6/8
	3 x b	Ä3963	11.04.2011	K.H.							
	a	Original									
	rev.	description	date	name				part no: SEE SHEET 5			

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 35Ncm (3.1 in.LB) /
max. 40Ncm (3.5 in.LB)
14. CONNECTOR IS PART MARKED: 6STD37PAR99E20X 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			title:	
					date	name	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		dwg no: 18K2A245  sh: 7/8		
	5 x c	Ä3963	11.04.2011	K.H.	d-old				
	5 x b	Ä1983	31.03.2004	Mkf.					
	a	Original					part no: 6STD37PAR99E20X		
	rev.	description	date	name					



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 $\sqrt{0,26} B$

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 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			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

CONEC:

[6STD09PAR99E20X](#) [6STD25PAR99E20X](#)