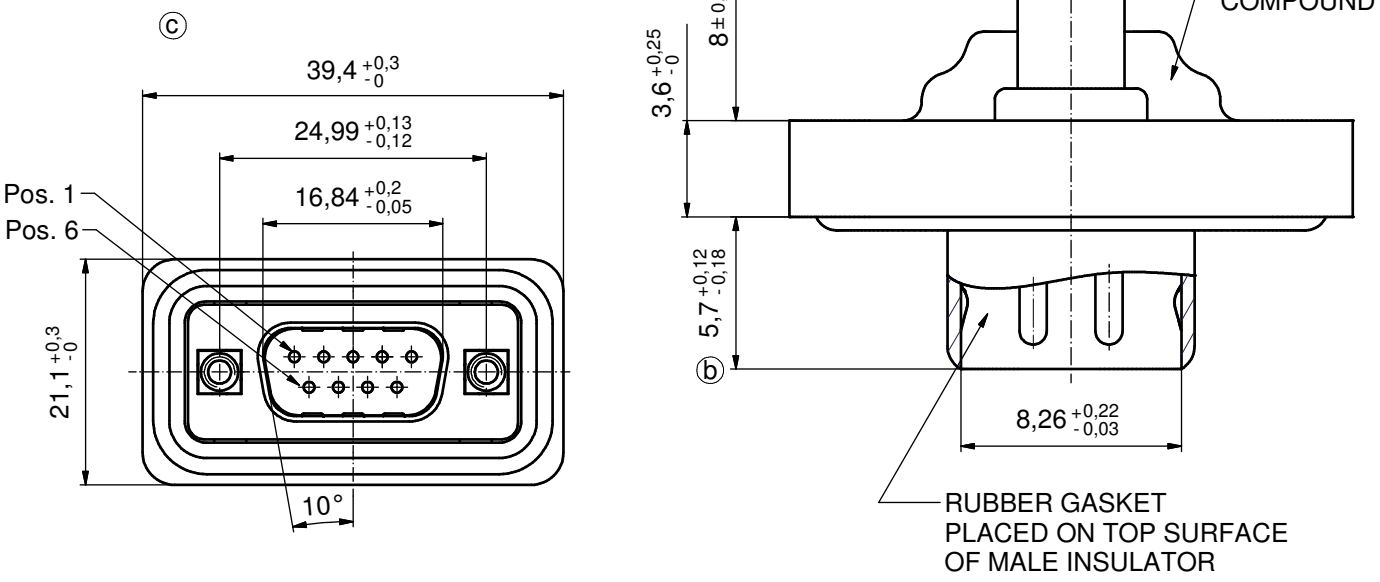
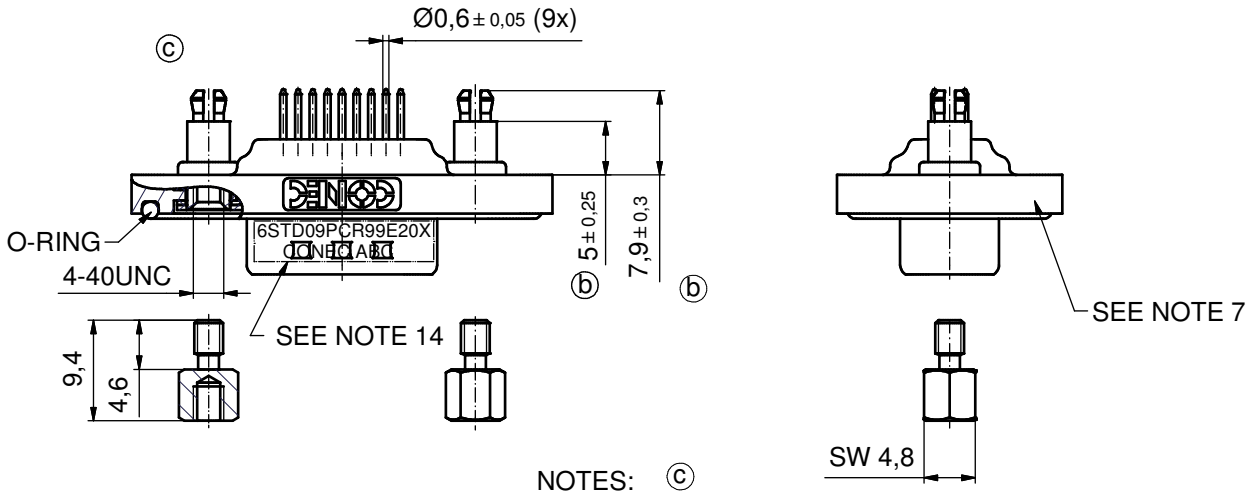
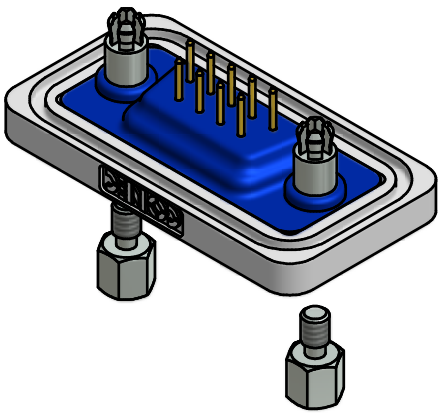
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.

(5 : 1)







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: 30µin HARD GOLD over min. 50µin NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
   PCB-HOLE: ⌀3,1± 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: 6STD09PCR99E20X CONEC ABC ⓑ

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rev.	description	date	name
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5 x b	Ä1983	31.03.2004	Mkf.
a	Original		

tolerance — dim. in mm

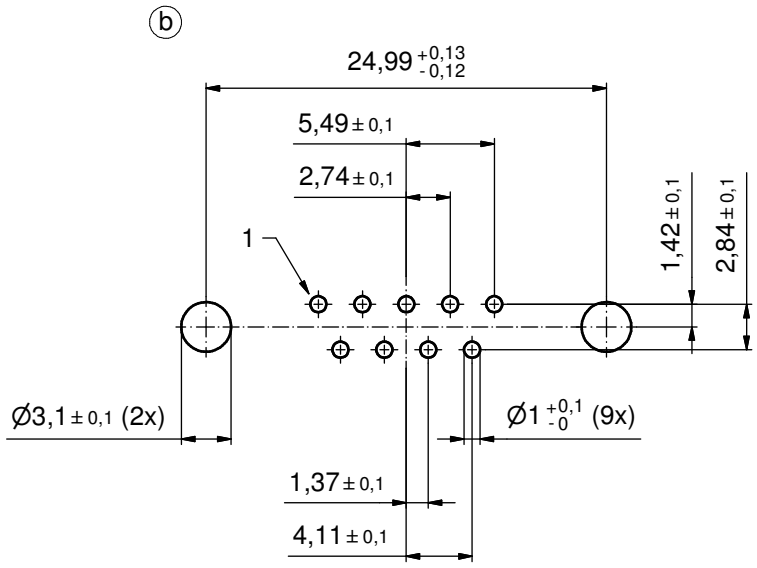
	date	name
drawn	04.04.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm	DIN 41652	
d-old		

scale: 2:1 (5:1)
material: SEE NOTES

title:
D-SUB MALE
9pos. SOLDER PIN STRAIGHT
with threaded spacer clip and hexlocking screw

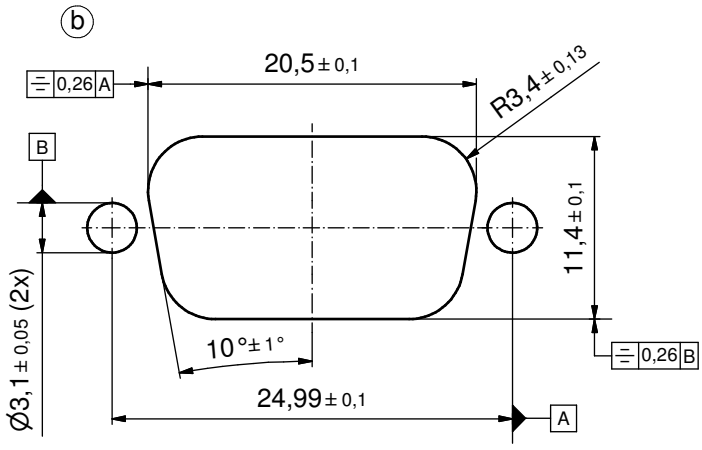
dwg no: 18K1A245 ⓒ
DIN-A3
sh: 1/8

part no: 6STD09PCR99E20X



P.C.B. HOLE DRILLINGS

(P.C.B. TOP SIDE)



RECOMMENDED PANEL CUT-OUT

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rev.	description	date	name
3 x b	Ä3963	11.04.2011	K.H.
a	Original		

tolerance

dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm		
d-old		

scale: 3:1

material: SEE SHEET 1

title:

P.C.B. HOLE DRILLINGS

RECOMMENDED PANEL CUT-OUT

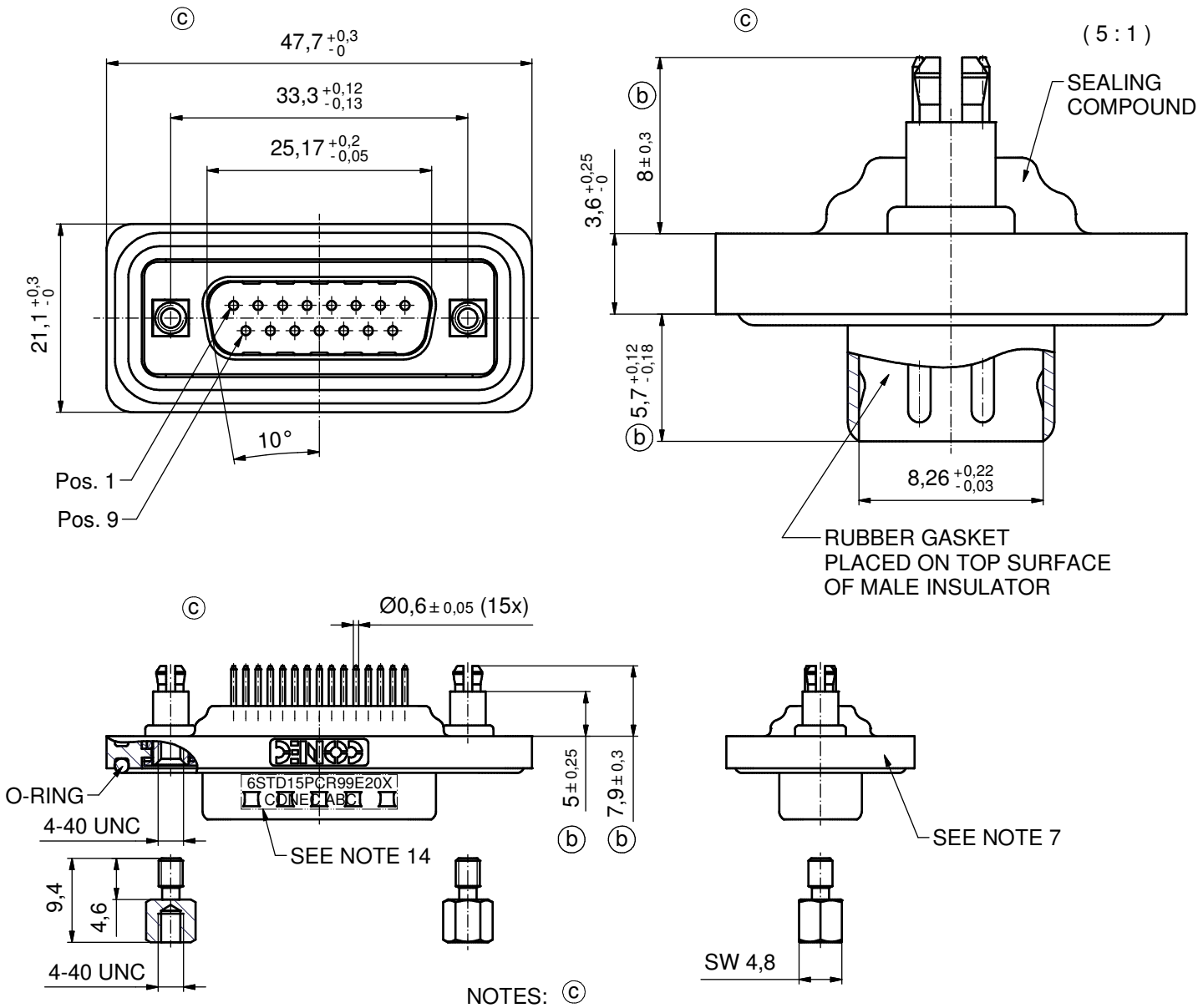
D-SUB MALE 9pos. Solder pin straight

dwg no: 18K1A245

DIN-A3

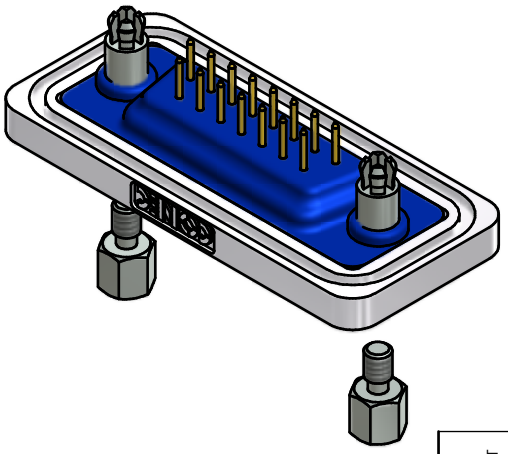
b sh: 2/8

part no: SEE SHEET 1



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: 30µin HARD GOLD over min. 50µin 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: 6STD15PCR99E20X CONEC ABC ⓑ



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5 x b	Ä1983	31.03.2004	Mkf.
a	Original		

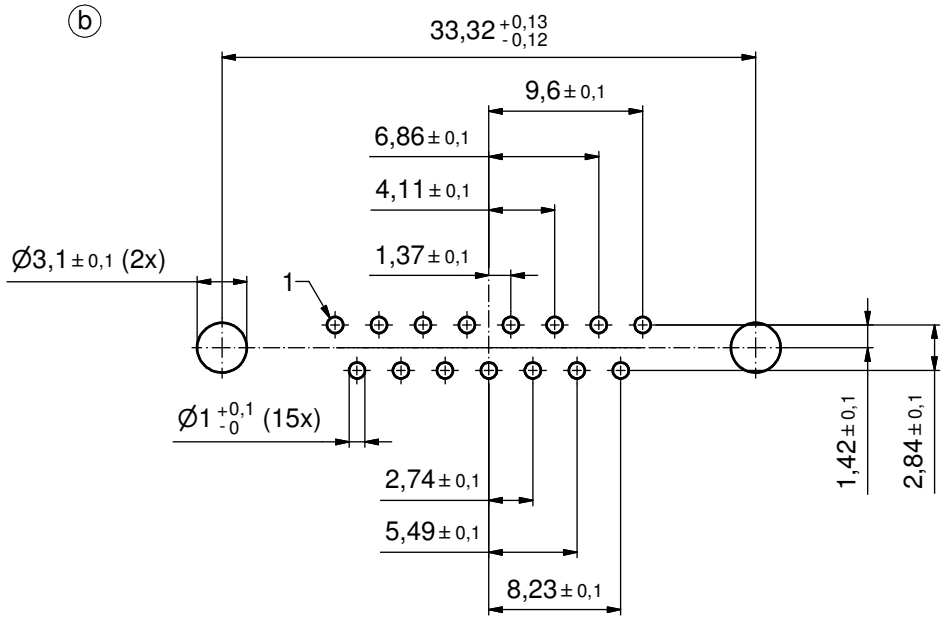
tolerance — dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm	DIN 41652	
d-old		

scale: 2:1 (5:1)
material: SEE NOTES

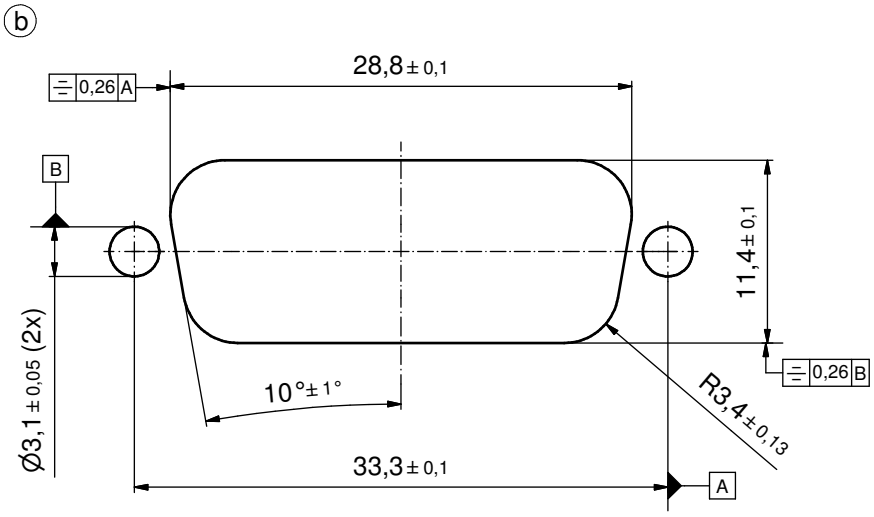
title:
D-SUB MALE
15pos. SOLDER PIN STRAIGHT
with threaded spacer clip and hexlocking screw

dwg no: 18K1A245 ⓒ
DIN-A3
sh: 3/8
part no: 6STD15PCR99E20X



P.C.B. HOLE DRILLINGS

(P.C.B. TOP SIDE)



RECOMMENDED PANEL CUT-OUT

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rev.	description	date	name
3 x b	Ä3963	11.04.2011	K.H.
a	Original		

tolerance

dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm	DIN 41652	
d-old		

scale: 3:1

material: SEE SHEET 3

title:

P.C.B. HOLE DRILLINGS

RECOMMENDED PANEL CUT-OUT

D-SUB Male 15pos. Solder pin straight

dwg no: 18K1A245

DIN-A3

b sh: 4/8

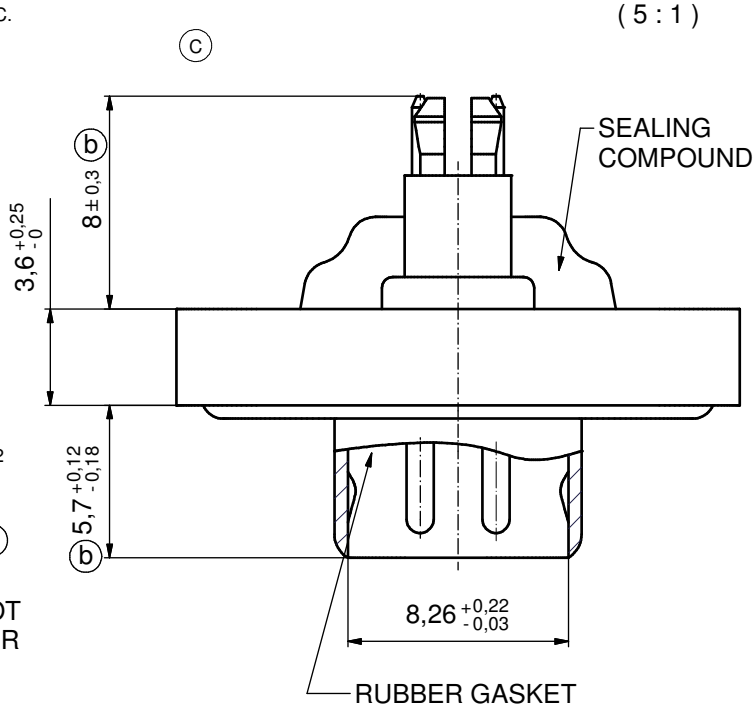
part no: SEE SHEET 3

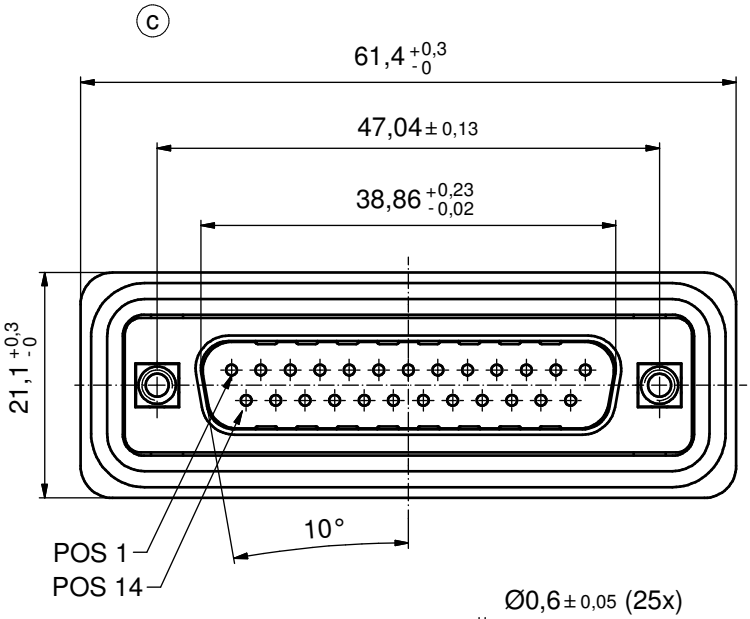
NOTES: ⓒ

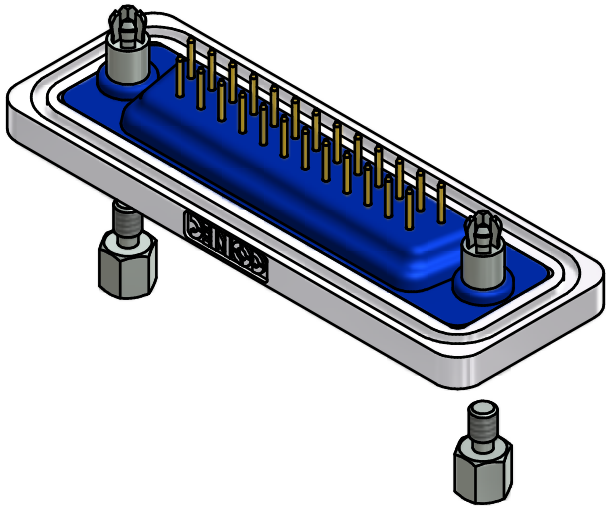
1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
   PLATING: 30µin HARD GOLD over min. 50µin NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY;
   min. 200µin TIN over 80µin NICKEL
   PCB-HOLE: ⌀3,1 ± 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: 6STD25PCR99E20X CONEC ABC ⓑ

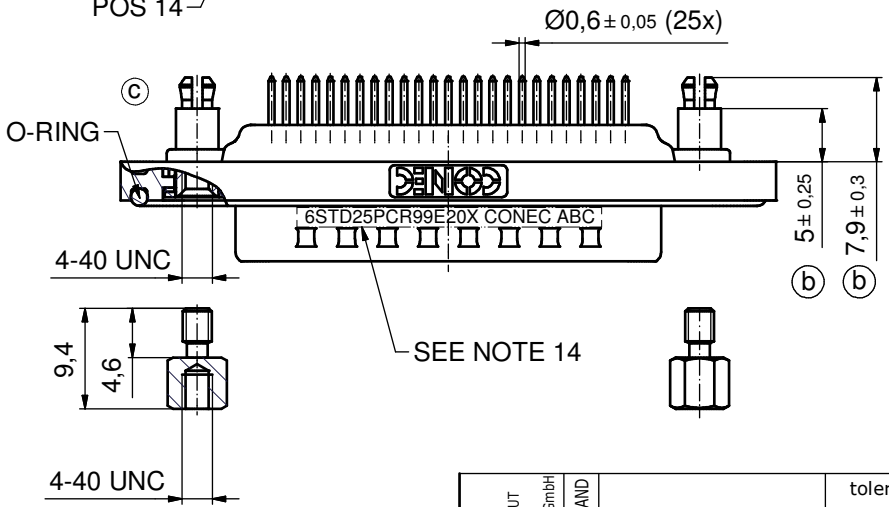
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.

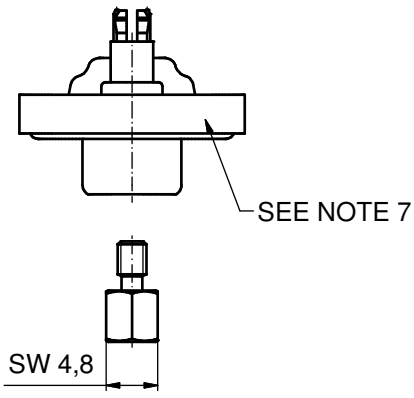
(5 : 1)











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rev.	description	date	name
5 x c	Ä3963	11.04.2011	K.H.
5 x b	Ä1983	31.03.2004	Mkf.
a	Original		

tolerance: dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm	DIN 41652	
d-old		

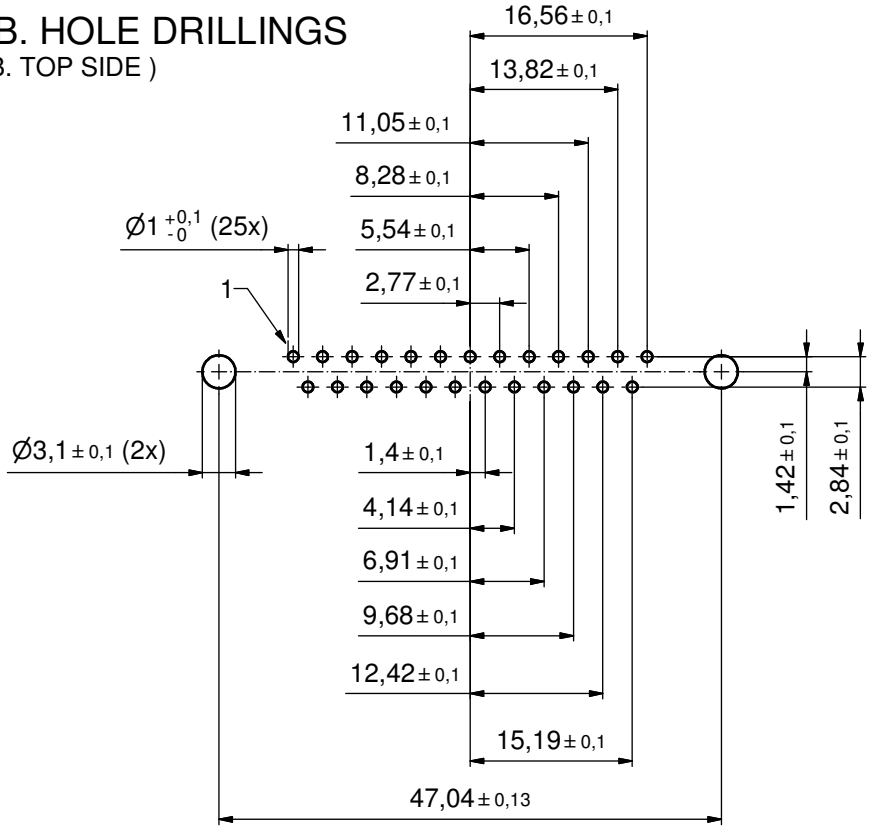
scale: 2:1 (5:1)
material: SEE NOTES

title:
D-SUB MALE
25pos. SOLDER PIN STRAIGHT
with threaded spacer clip and hexlocking screw

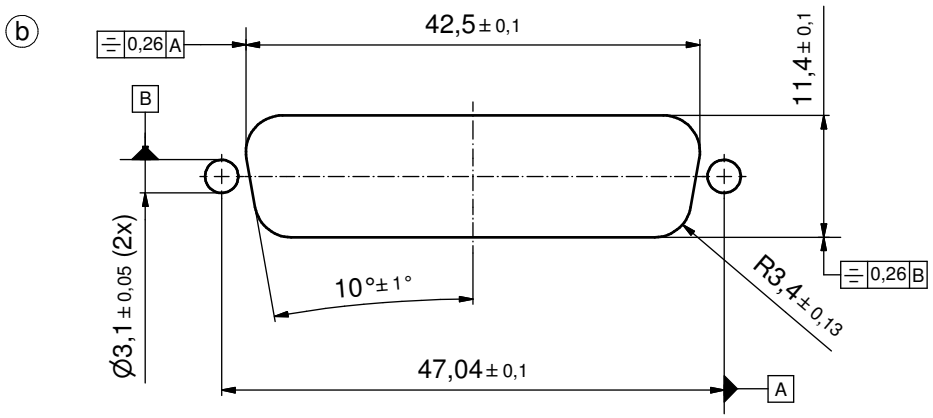
dwg no: 18K1A245 ⓒ
DIN-A3
sh: 5/8
part no: 6STD25PCR99E20X

P.C.B. HOLE DRILLINGS

(P.C.B. TOP SIDE)



RECOMMENDED PANEL CUT-OUT



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rev.	description	date	name
3 x b	Ä3963	11.04.2011	K.H.
a	Original		

tolerance: dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm		
d-old		

scale: 2:1

material: SEE SHEET5

title: P.C.B. HOLE DRILLINGS
RECOMMENDED PANEL CUT-OUT
D-SUB MALE 25pos. SOLDER PIN STRAIGHT

dwg no: 18K1A245 (b)

DIN-A3

sh: 6/8

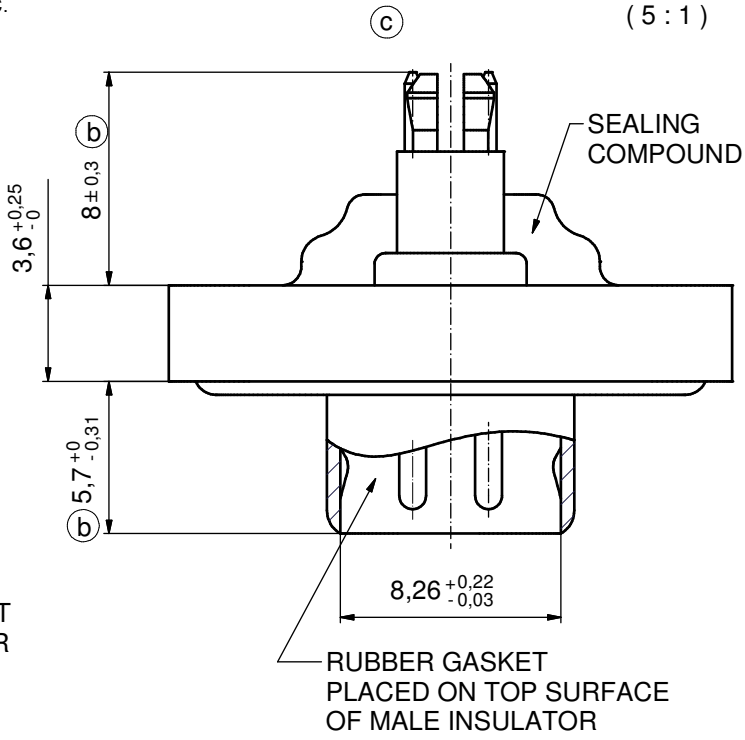
part no: SEE SHEET5

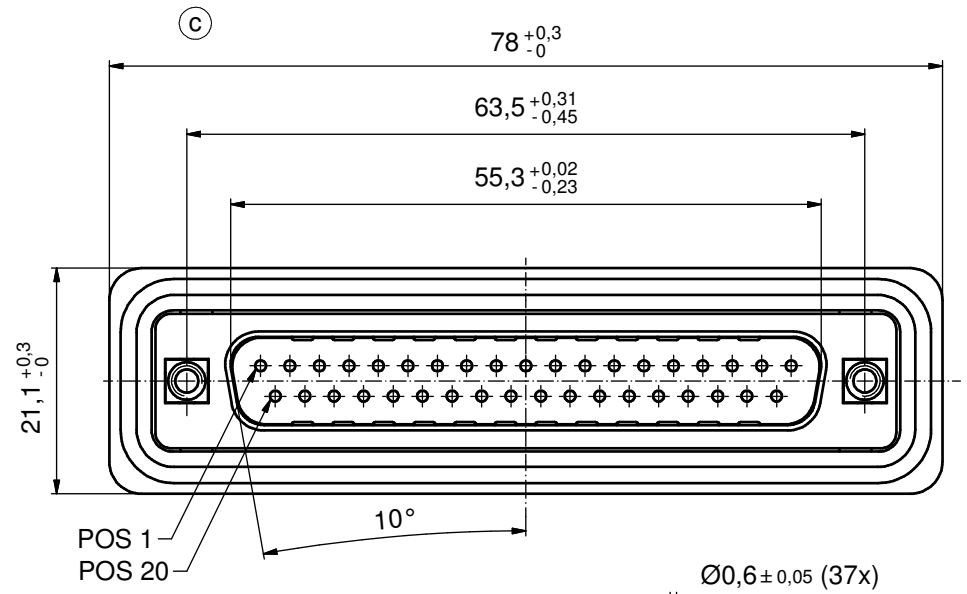
NOTES: (c)

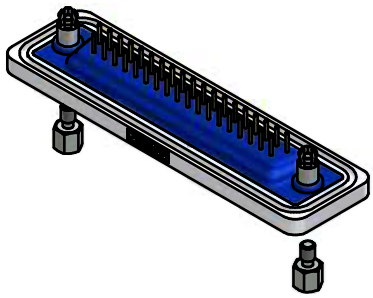
1. FOR WAVESOLDERING (SOLDER BATH TEMPERATURE 240°C FOR 5 SEC. AND SOLDER PREHEAT 120°C FOR 120 SEC.)
2. METALSHELLS: COPPER ALLOY; min. 315µin TIN over 40-80µin NICKEL
3. INSULATORS: PBT GF UL 94 V-0; BLACK
4. CONTACTS: COPPER ALLOY
   PLATING: 30µin HARD GOLD over min. 50µin NICKEL
5. THREADED SPACER CLIPS: COPPER ALLOY;
   min. 200µin TIN over 80µin NICKEL
   PCB-HOLE: 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: 6STD37PCR99E20X CONEC ABC (b)

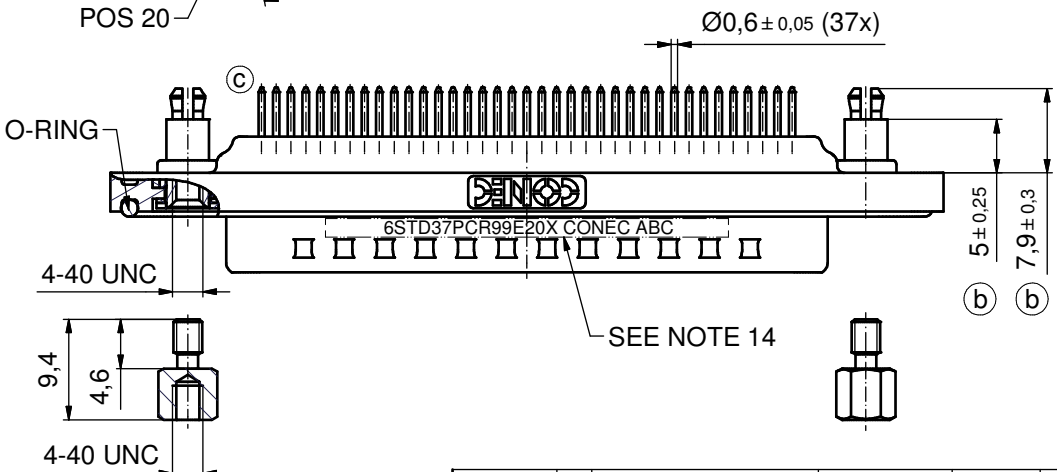
AT ALL TIMES WATER RESISTANT CONNECTORS NOT IN USE SHOULD BE COVERED WITH A CONEC WATER RESISTANT CAP OR WATER TIGHT HOOD.

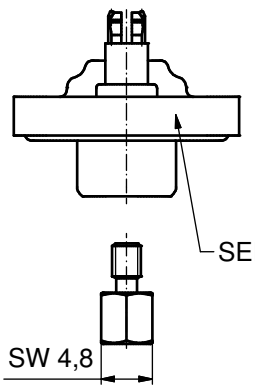
(5 : 1)











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rev.	description	date	name
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5 x b	Ä1983	31.03.2004	Mkf.
a	Original		

tolerance: dim. in mm

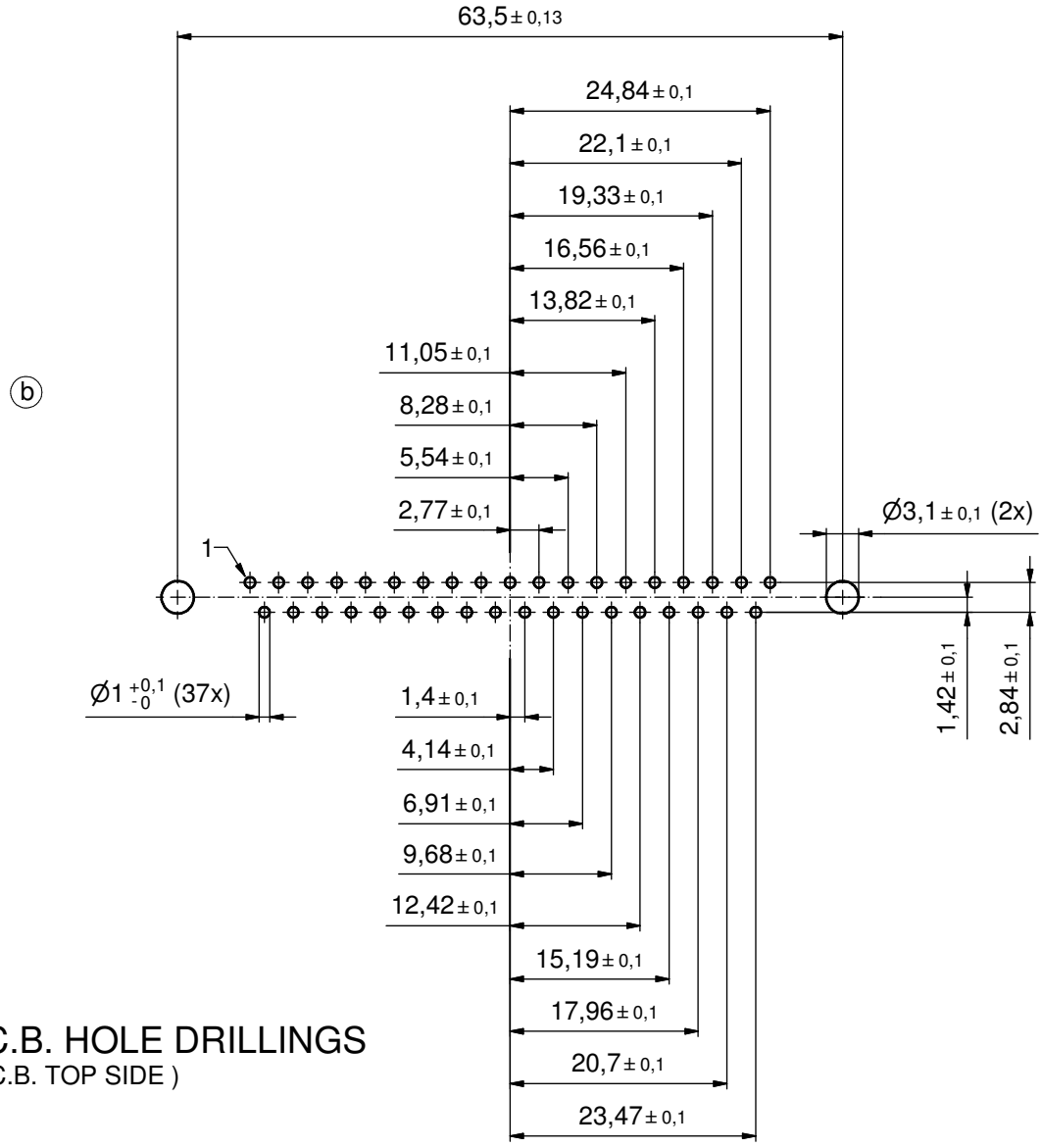
	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm		
d-old		

scale: 2:1 (5:1)
material: SEE NOTES

title:
D-SUB MALE
37pos. SOLDER PIN STRAIGHT
with threaded spacer clip and hexlocking screw

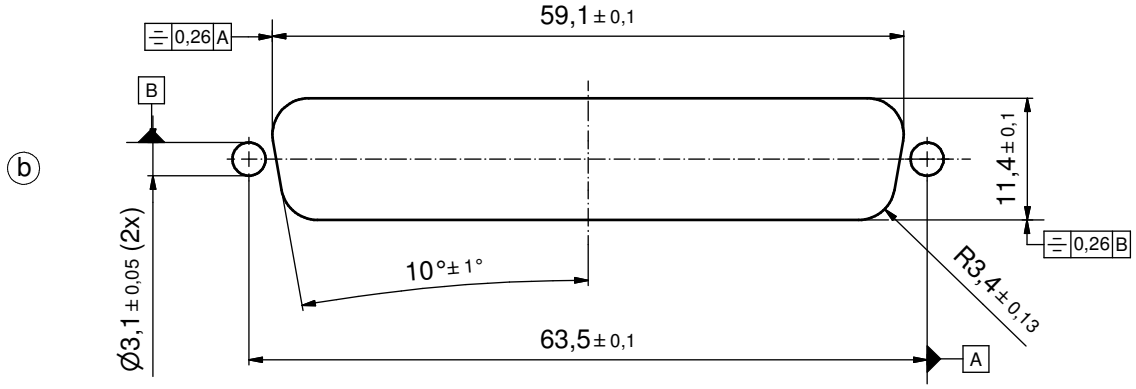
dwg no: 18K1A245 (c)
DIN-A3
sh: 7/8

part no: 6STD37PCR99E20X



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

RECOMMENDED PANEL CUT-OUT



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rev.	description	date	name
3 x b	Ä3963	11.04.2011	K.H.
a	Original		

tolerance — dim. in mm

	date	name
drawn	04.02.04	Lehmenkühler
appd.	04.02.04	Mickenbecker
norm		
d-old		

scale: 2:1
material: SEE SHEET 7
title: P.C.B. HOLE DRILLINGS
RECOMMENDED PANEL CUT-OUT
D-SUB MALE 37pos. SOLDER PIN STRAIGHT
dwg no: 18K1A245 (b)
DIN-A3
sh: 8/8
part no: SEE SHEET 7

Directive 2002/95/EC RoHS compliant