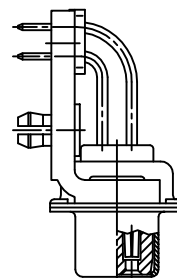
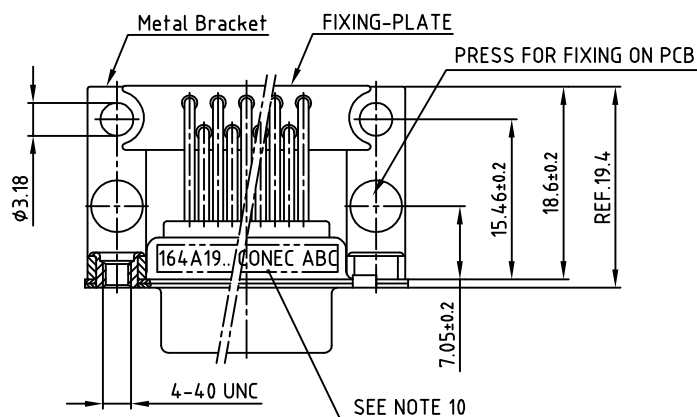
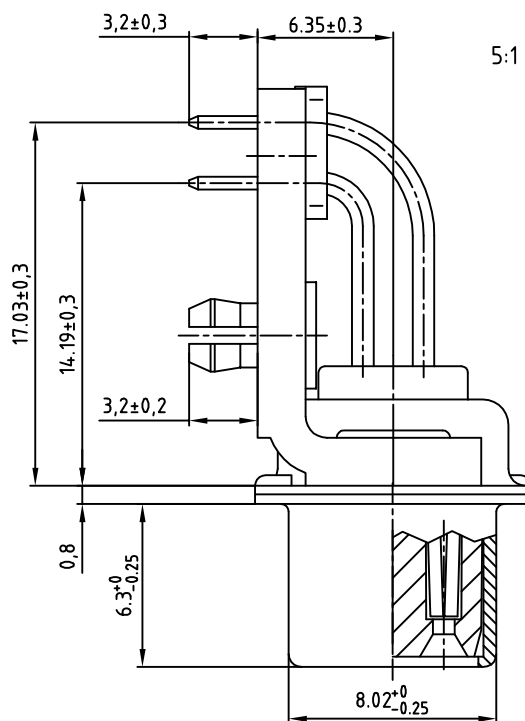
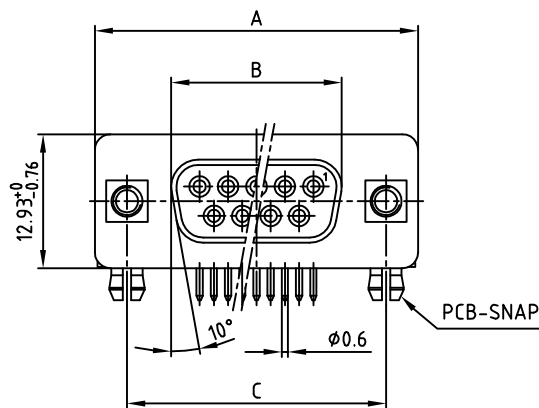


used for: D-SUB

Polzahl No. of pos.	A -0.76	B $+0.25$	C	Part. No.
9	31.19	16.46	25.00 -0.12 -0.13	164A19639X
15	39.52	24.79	33.30 -0.15 -0.1	164A19649X
25	53.42	38.50	47.04 ± 0.13	164A19659X
37	69.70	54.96	63.50 ± 0.13	164A19669X



NOTES:

- METALSHELLS: STEEL; min. 315µin TIN over 40-80µin NICKEL
- INSULATORS: PBT GF UL 94 V-0, BLACK
- CONTACTS: COPPER ALLOY
PLATING: 8µin HARD GOLD OVER min. 50µin NICKEL
- THREADED INSERTS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
- METAL BRACKETS: ZINC DIE CAST; 300µin COPPER/40-120µin NICKEL/120-200µin TIN
- P.C.B. SNAPS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
PCB-HOLE: $\phi 3.1 \pm 0.1$; PCB THICKNESS 1.6mm
- FIXING-PLATE: PBT GF UL 94 V-0, BLACK
- P.C.B. HOLE DRILLINGS ON SHEET 2/3
- MAXIMUM TORQUE VALUE FOR THREAD: 6 in.LB
- CONNECTOR IS PART MARKED: PART-NO. CONEC ABC



APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
CUSTOMER APPROVAL DATE:	
NAME:	TITLE:
COMPANY NAME:	
APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	

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rev.	description	date	name
a	Origin		

tolerance		scale:	2:1 (5:1)
	dim. in mm	material:	SEE NOTES
2009	date	name	
drawn	30.07.	Sonnenberg	
appd.	30.07.	Koch	
norm			
d-old			

title:		D-SUB FEMALE 90°	
		9-37pos. SOLDER PIN ANGLED 0.590inch	
		with threaded insert, metal bracket, fixing-plate and snap	
dwg no:		AutoCAD 2006	DIN-A
		16K1A2520	3
			sh:1/3
part no:		SEE TABLE	

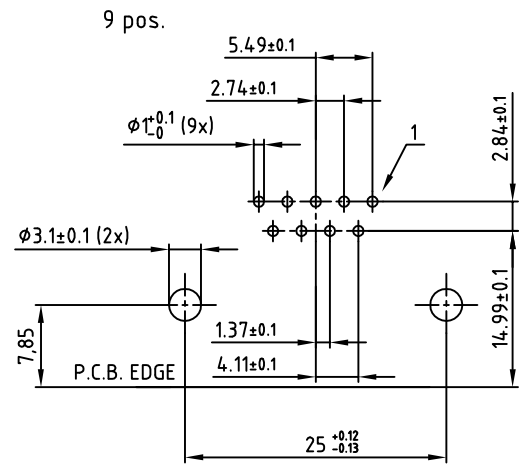
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5

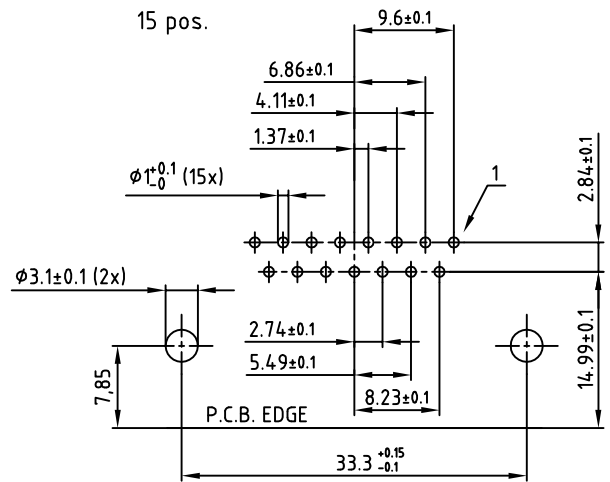
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2

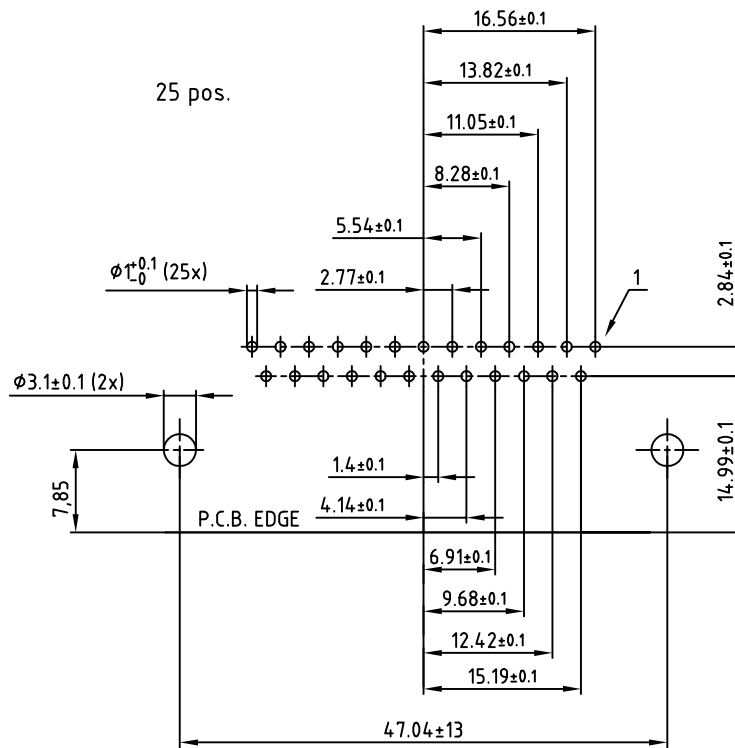
1



PCB TOP SIDE



PCB TOP SIDE



PCB TOP SIDE

APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
CUSTOMER APPROVAL DATE:	
NAME:	TITLE:
COMPANY NAME:	
APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	

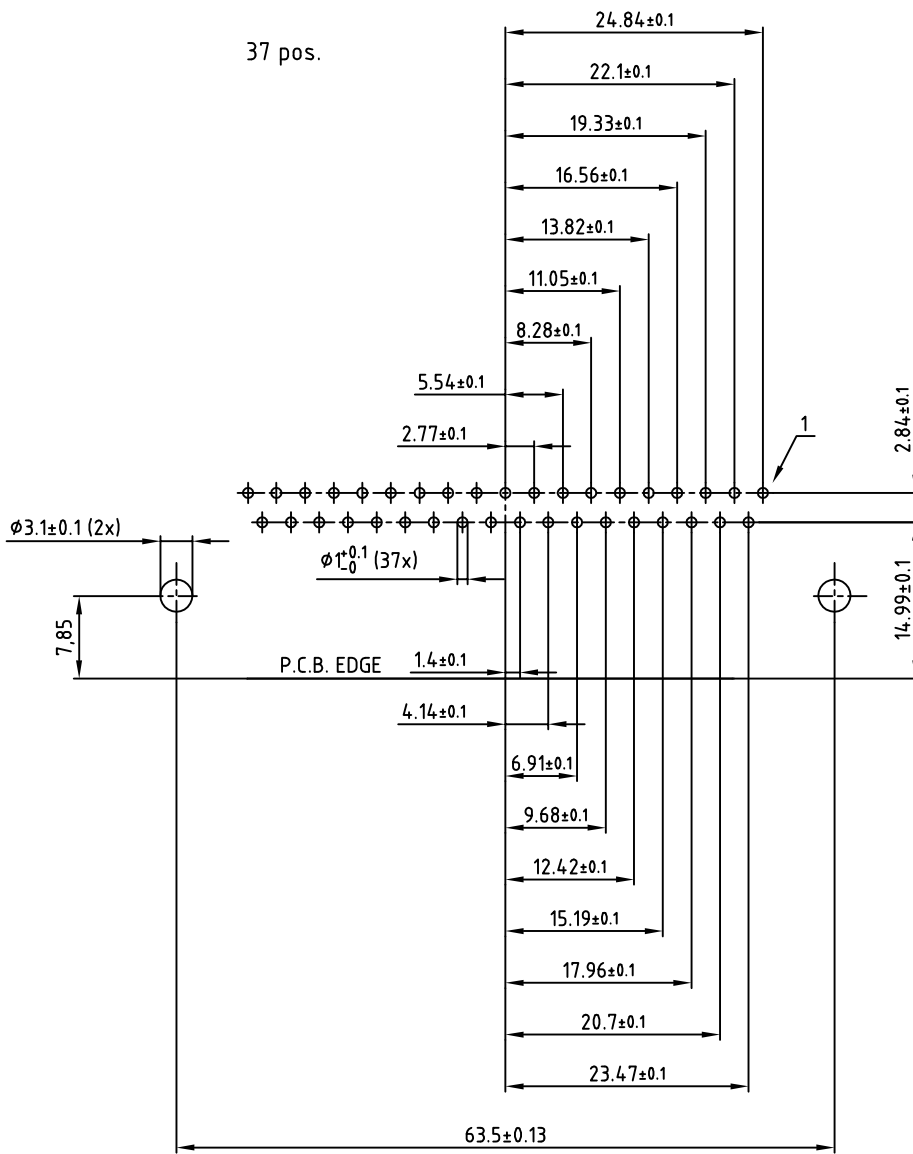
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rev.	description	date	name
a	Origin		

tolerance			 dim. in mm
2009	date	name	
	drawn	30.07.	Sonnenberg
	appd.	30.07.	Koch
	norm		
	d-old		
CONEC			

scale:	2:1	
material:	SEE SHEET 1	
title:	P.C.B. HOLE DRILLINGS D-SUB FEMALE 90° 9-37pos. ANGLED 0.590inch with threaded insert, metal bracket, fixing-plate and snap	
dwg no:	AutoCAD 2006	DIN-A
	16K1A2520	3
		sh:2/3
part no:	SEE SHEET 1	

used for: D-SUB



PCB TOP SIDE

APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
CUSTOMER APPROVAL DATE:	
NAME:	TITLE:
COMPANY NAME:	
APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	

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rev.	description	date	name	tolerance	dim. in mm
2009	date	name			
drawn	30.07.	Sonnenberg			
appd.	30.07.	Koch			
norm					
d-old					
a	Origin				



scale:	2:1
material:	SEE SHEET 1
title:	P.C.B. HOLE DRILLINGS D-SUB FEMALE 90° 9-37pos. ANGLED 0.590inch with threaded insert, metal bracket, fixing-plate and snap
dwg no:	AutoCAD 2006 DIN-A 3 sh:3/3
part no:	SEE SHEET 1