

**NOTES:**

1. METALSHELLS: STEEL; min. 315µin TIN over 40-80µin NICKEL
2. INSULATORS: PBT GF UL 94 V-0, BLACK
3. CONTACTS: COPPER ALLOY  
PLATING: 8µin HARD GOLD over min. 50µin NICKEL
4. MOUNTING BRACKETS: PBT GF UL 94 V-0; BLACK
5. THREADED INSERTS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL
6. GROUNDING CLIPS: COPPER ALLOY; min. 200µin TIN over 80µin NICKEL  
PCB-HOLE:  $\varnothing 3.1 \pm 0.1$ ; PCB THICKNESS 1.6mm
8. PCB HOLE DRILLINGS ON SHEET 2
9. MAXIMUM TORQUE VALUE FOR THREAD: 6 in.LB
10. CONNECTOR IS PART MARKED: 163A18709X CONEC ABC

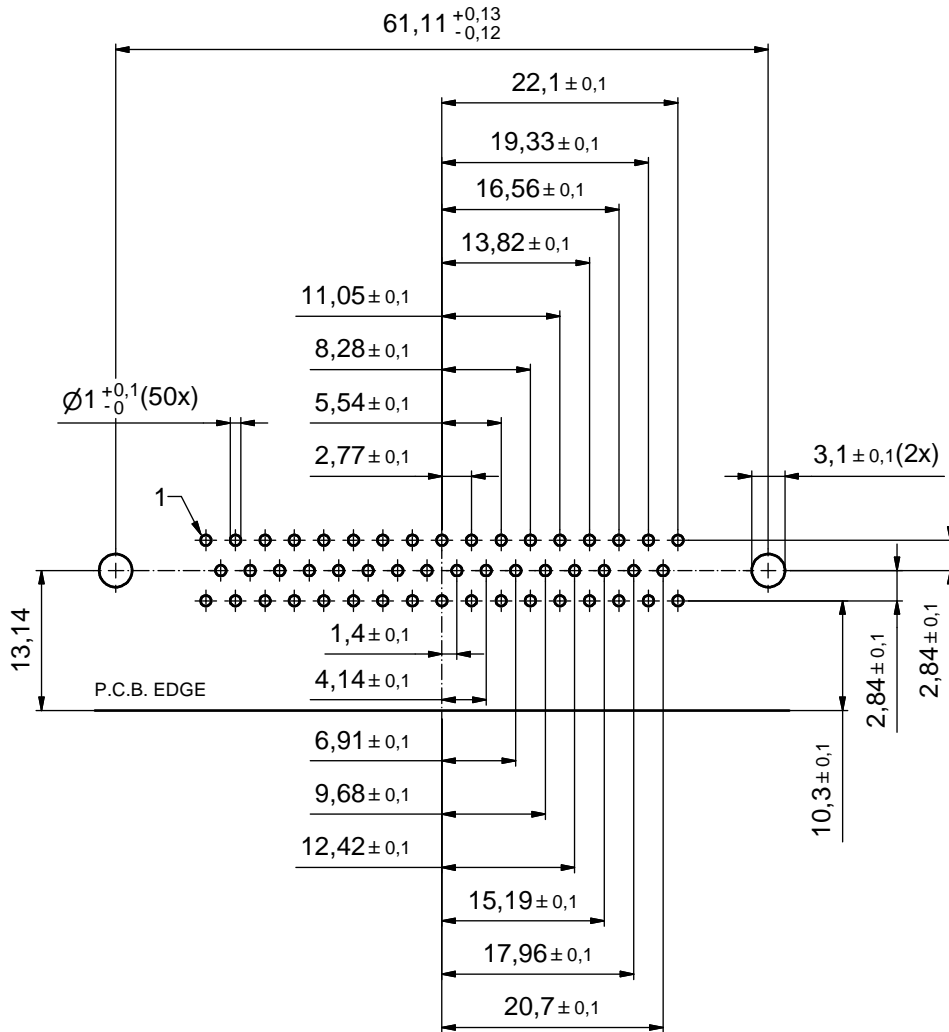
Directive 2002/95/EC  
"RoHS"  
Compliant

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

DO NOT ALTER CAD DRAWING BY HAND			
a	Origin	date	name

tolerance		 dim. in mm	scale: 2:1 (5:1)
			material: SEE NOTES
			title: D-SUB MALE 90° 50pos. 0,370inch with threaded insert, mounting bracket, grounding clip
			dwg no: Inventor 10
			DIN-A3
			sh: 1
			part no: 163A18709X





P.C.B. TOP SIDE

APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
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APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	

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DO NOT ALTER CAD DRAWING BY HAND				date	name	
rev.	description	date	name	drawn	04.09.2009	Sonnenberg
a	Origin			appd.	04.09.2009	Koch
				norm		
				d-old		



scale:	2:1	
material:	SEE SHEET 1	
title:	P.C.B. HOLE DRILLINGS D-SUB MALE 90° 50pos. 0,370inch with threaded insert, mounting bracket, ground clip	
dwg no:	Inventor 10	DIN-A3
	16K1A2539	sh: 2
part no:	SEE SHEET 1	