

**NOTES:**

1. METAL SHELLS: STEEL; min. 315µm TIN over 40-80µm NICKEL
2. INSULATORS: PBT GF UL 94 V-0, BLACK
3. CONTACTS: COPPER ALLOY;  
PLATING: 8µm HARD GOLD over min. 50µm NICKEL
4. THREADED LOCK AND SPACER CLIPS:  
COPPER ALLOY; min. 200µm TIN over 80µm NICKEL  
PCB-HOLE:  $\varnothing 3,1 \pm 0,1$ ; PCB THICKNESS 1,6mm
5. COLLARS: COPPER ALLOY; min. 200µm TIN over 80µm NICKEL
6. P.C.B. HOLE DRILLINGS ON SHEET 2
7. MAXIMUM TORQUE VALUE FOR THREAD: 6 in.LB
8. CONNECTOR IS PART MARKED: 163A17089X CONEC ABC

Directive 2002/95/EC  
„RoHS“  
Compliant

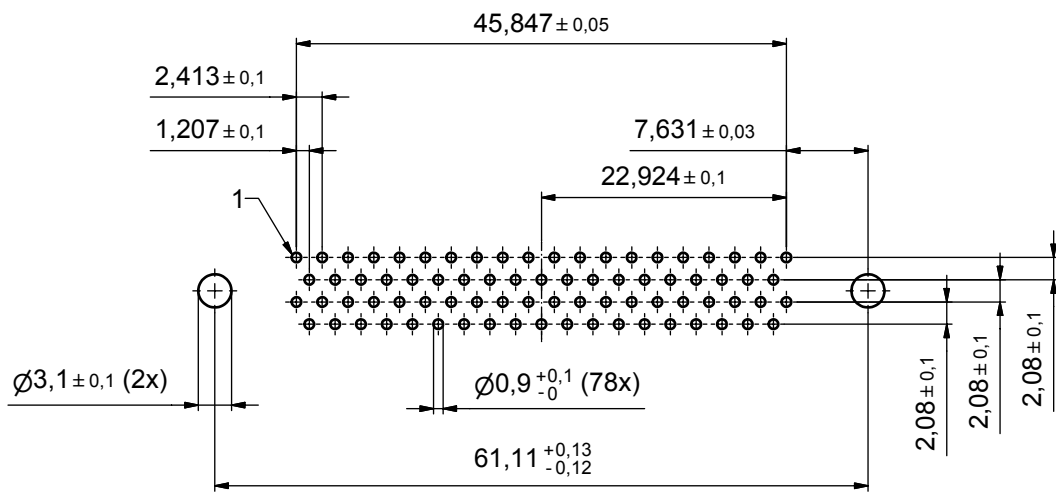
APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
CUSTOMER APPROVAL DATE:	
NAME:	TITLE:
COMPANY NAME:	
APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	

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DO NOT ALTER CAD DRAWING BY HAND			
rev.	description	date	name
a	Origin		

tolerance	$\varnothing$ dim. in mm
date	name
drawn	12.08.09 Schmidt
appd.	13.08.09 Fischer
norm	
d-old	

scale:	2:1 (5:1)	
material:	see notes	
title:	D-SUB HD MALE 78pos. SOLDER PIN STRAIGHT with threaded lock and spacer clip	
dwg no:	Inventor 10	DIN-A3
	16K1A2529	sh: 1
part no:	163A17089X	





P.C.B. TOP SIDE

APPROVAL # FREIGABE # DEBLOCAGE # AUTORIZACION # APPROVAL	
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				DO NOT ALTER CAD DRAWING BY HAND			material: see sheet 1	
rev.	description	date	name	drawn	date	name	<b>P.C.B. HOLE DRILLINGS</b> D-SUB HD 78pos. SOLDER PIN STRAIGHT with threaded lock and spacer clip	
a	Origin			appd.	13.08.09	Fischer		
				norm				
				d-old				
						dwg no: Inventor 10		DIN-A3
						16K1A2529		sh: 2
						part no: see sheet 1		