

- NOTES:
- Materials:
    - A. Housing: Thermoplastic Polyester, glass filled Rated UL 94V-0, Color: Gray
    - B. Contact: Copper Alloy, Gold plating
  - Finish:
    - Mating area--0,76µm min. Gold over 1,27µm min. Nickel
    - Compliant pin area --0,5µm min matte Tin over 1,27µm min. Nickel
  - Ratings:
    - A. Voltage(Test voltage): 80V r.m.s.
    - B. Current rating:
      - Signal and Signal GND Conductor 0.625A/pin
      - Power branch GND Conductor 11.625A/pin with derating of IEC 60512
    - C. Maximum line resistances:
      - Signal and Signal GND Conductor 25milli Ohms
      - Power branch GND Conductor 5 milli Ohms
  - Engaging force: 145N max.  
Separating force: 110N max.
  - Durability: 200 mating cycles
  - Used Press Fit tool: 36-000070
  - Plated through-hole cross section see sheet 2
  - Connector is part marked: **47-100001 CONEC ABC**

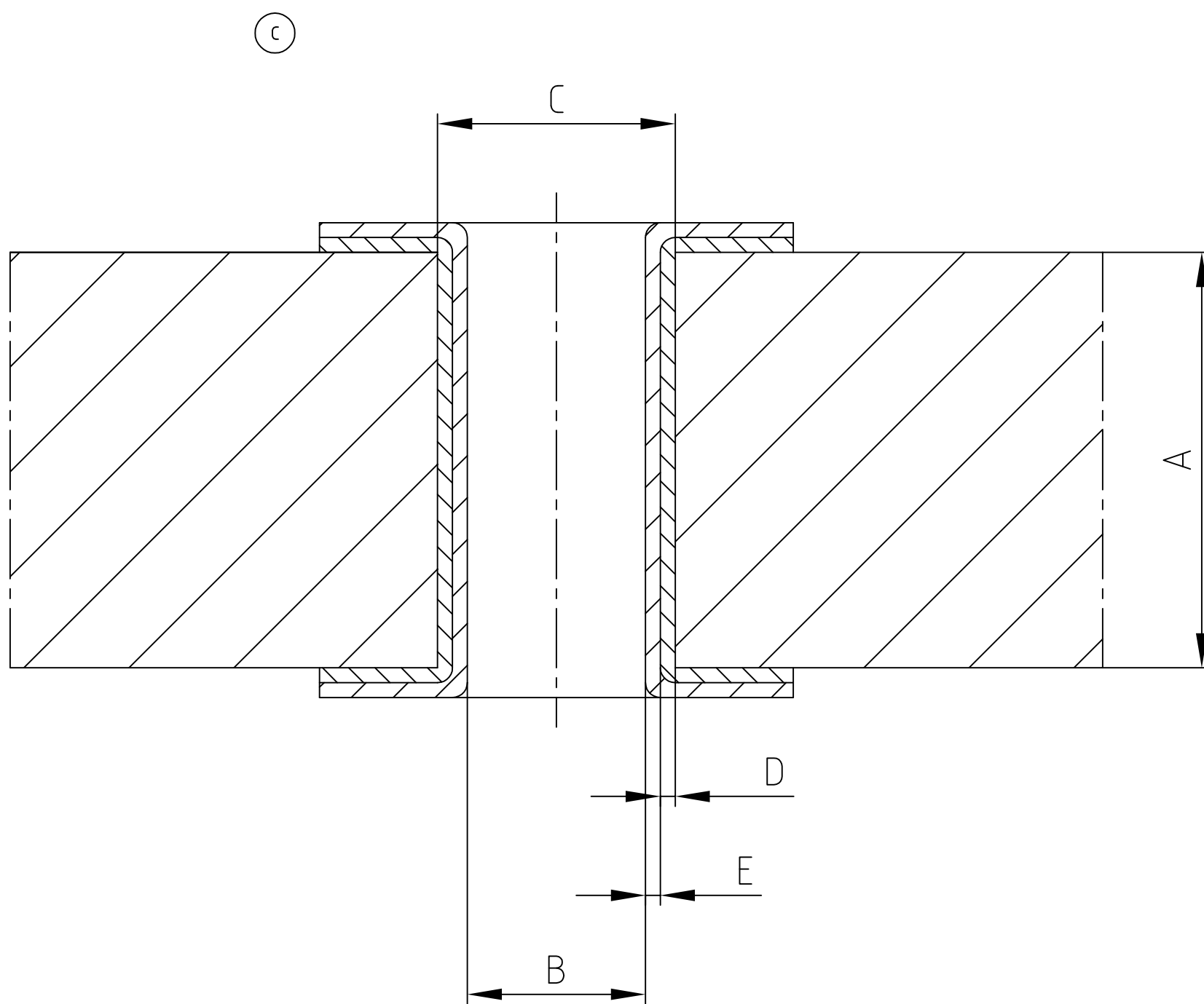
Directive 2002/95/EC RoHS compliant

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: 2:1
	.X ± 0.25	X° ± 2°		material: SEE NOTES
	.XX ± 0.15	.X° ± 1°	title: MicroTCA POWER CONNECTOR BACKPLANE VERSION	
	2008	date	name	dwg no: 47K1A00002
	drawn	11.04.	Lehmenkühler	DIN-A 3
appd.	11.04.	Kühle	sh:1/2	
1 x d	Ä 3850	21.12.2010	Lehmen	norm
1 x c	Ä 3374	18.06.2009	HS	d-old
1 x b	Ä 3039	18.06.2008	Petker	
a	Origin			
rev.	description	date	name	



part no: 47-100001

		Dimensions
A	PCB Thickness	Minimum 1.4mm
B	Plated Through Hole Diameter	0.60 ±0.05mm
C	Drill Hole Diameter	0.70 ±0.02mm
D	Cu Thickness	Minimum 25µm
E	Plating Thickness	Minimum 0.5µm Immersion Sn



### PLATED THROUGH-HOLE CROSS SECTION

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
1 x c	Ä 3374	18.06.09	HS
a	Origin		

tolerance		dim. in mm
2008	date	
drawn	11.04.	name
appd.	11.04.	Kühle
norm		
d-old		

scale:	SEE SHEET 1
material:	SEE SHEET 1
title:	
PLATED THROUGH-HOLE CROSS SECTION	
MicroTCA POWER CONN. BACKPLANE VERSION	
dwg no:	AutoCAD 2006
	DIN-A
	3
	sh:2/2
part no:	SEE SHEET 1

