

PCB hole pattern

NOTES:

- MATERIALS AND FINISHES:
  - INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035 <sup>(b)</sup>
  - CONTACTS: COPPER ALLOY, PLATING: FLASH GOLD OVER NICKEL
- ELECTRICAL CHARACTERISTICS:
 

CREEPING AND CLEARANCE DISTANCE; MINIMUM:

  - CONTACT 47 TO CONTACT 46: 2,5 MM
  - CONTACT 47 TO CONTACT 45: 3,2 MM
  - CONTACT 46 TO CONTACT 45: 3,2 MM
  - CONTACT 47 TO SIGNAL CONTACTS: 6,4 MM
  - CONTACT 46 TO SIGNAL CONTACTS: 6,4 MM
  - CONTACT 45 TO SIGNAL CONTACTS: 2,0 MM

CONTACT CURRENT RATING:

  - POWER CONTACTS POS. 45-47: 40 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
  - POWER CONTACTS POS. 1-20: 28 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
  - SIGNAL CONTACTS: 3 AMPERES NOMINAL

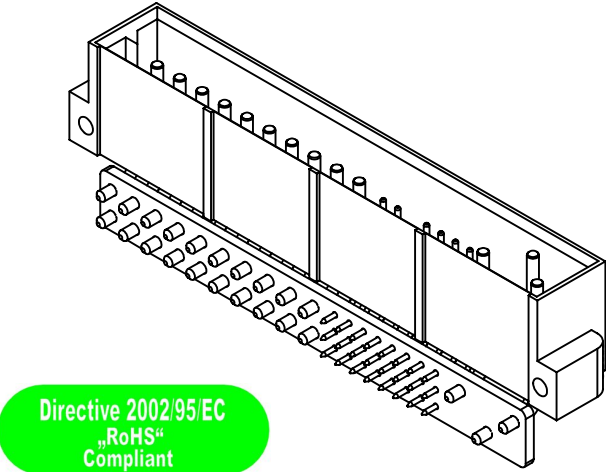
INITIAL CONTACT RESISTANCE:

  - POWER CONTACTS: 0,0007 OHM MAX. PER IEC 512-2, TEST 2b
  - SIGNAL CONTACTS: 0,004 OHM MAX. PER IEC 512-2, TEST 2b

INSULATION RESISTANCE: 5 G OHM PER IEC 512-2, TEST 3a

VOLTAGE PROOF:

  - CONTACTS POS. 45, 46, 47: 3 kV r.m.s.
  - CONTACTS POS. 1-20: 1,5 kV r.m.s.
  - CONTACTS POS. 21-44: 1 kV r.m.s.
- WORKING TEMPERATURE: -55°C TO +125°C
- ORDER OF CONTACT MATING:
  - MATE: POS. 45 / 2. MATE: POS. 46, 47 / LAST MATE: POS. 27
- CONNECTOR IS PART MARKED: [PART-NO. CONEC ABC]



Directive 2002/95/EC  
„RoHS“  
Compliant

1	Fixing plate	10		
1	Signal contact type 4 (Pos. 27)	9		
7	Signal contact type 3 (Pos. 21,24,30,33,36,39,42)	8		
8	Signal contact type 2 (Pos. 22,25,28,31,34,37,40,43)	7		
8	Signal contact type 1 (Pos. 23,26,29,32,35,38,41,44)	6		
1	Power contact type 4 (Pos. 46)	5		
10	Power contact type 3 (Pos. 1,3,5,7,9,11,13,15,17,19)	4		
2	Power contact type 2 (Pos. 45,47)	3		
10	Power contact type 1 (Pos. 2,4,6,8,10,12,14,16,18,20)	2		
1	Case 47pos. male angled standard	1		
quantity	part description	item	dwg no. / norm	material

finish: see notes		tolerance ISO 2768-m	dim. in mm	scale: 2:1
date		name	material: see notes	
drawn	11.01.05	Mankopf	title: PLUG CONNECTOR 47pos.	
appd.	11.01.05	E. Mickenbecker	SOLDER PIN ANGLED, STANDARD	
norm			CompactPCI	
d-old			dwg no:	[Inventor]
2x b	A 2168	21.02.05	Mkf.	45K1A007
rev.	description	date	name	sh: 1
part no: CPH47W23MARASK9X				DIN-A2

