



PCB hole pattern

NOTES:

- MATERIALS AND FINISHES:
  - INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035
  - CONTACTS: COPPER ALLOY, PLATING: FLASH GOLD OVER NICKEL
- ELECTRICAL CHARACTERISTICS:
  - CREEPING AND CLEARANCE DISTANCE; MINIMUM:
    - CONTACT 38 TO CONTACT 37: 2,5 MM
    - CONTACT 38 TO CONTACT 36: 3,2 MM
    - CONTACT 37 TO CONTACT 36: 3,2 MM
    - CONTACT 38 TO SIGNAL CONTACTS: 6,4 MM
    - CONTACT 37 TO SIGNAL CONTACTS: 6,4 MM
    - CONTACT 36 TO SIGNAL CONTACTS: 2,0 MM
  - CONTACT CURRENT RATING:
    - POWER CONTACTS POS. 36-38: 40 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
    - POWER CONTACTS POS. 1-20: 28 AMPERES CONTINUOUS, ALL CONTACTS UNDER LOAD
    - SIGNAL CONTACTS: 5 AMPERES NOMINAL
  - INITIAL CONTACT RESISTANCE PER IEC 512-2, TEST 2b:
    - POWER CONTACTS: 0,0007 OHM MAX.
    - SIGNAL CONTACTS: 0,004 OHM MAX.
  - INSULATION RESISTANCE: 5 G OHM PER IEC 512-2, TEST 3a, METHOD A
- WORKING TEMPERATURE: -55°C TO +125°C
- ORDER OF CONTACT MATING:
  - MATE: POS. 36 / 2. MATE: POS. 37, 38 / LAST MATE: POS. 22, 25, 28
- CONNECTOR IS PART MARKED: [PART-NO. CONEC ABC]

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

finish: see notes		tolerance ISO 2768-m	scale: 2:1
date: 12.01.05		name: Mankopf	material: see notes
appd.: 12.01.05		E. Mickenbecker	title: PLUG CONNECTOR 38pos. SOLDER PIN ANGLED, INVERTED CompactPCI
norm			dwg no: [Inventor]
d-old			DIN-A2
1x b	Ä 2168	21.02.05	Mkf.
rev.	description	date	name
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CONEC		part no: CPH38W23MARARK9X	

