



PCB hole pattern

NOTES:

1. MATERIALS AND FINISHES:
 - INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035
 - CONTACTS: COPPER ALLOY, PLATING: FLASH GOLD OVER NICKEL
2. 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
3. WORKING TEMPERATURE: -55°C TO +125°C
4. ORDER OF CONTACT MATING:
 - 1. MATE: POS. 36 / 2. MATE: POS. 37, 38 / LAST MATE: POS. 22, 25, 28
5. 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		dim. in mm	material: see notes
drawn 12.01.05	name Mankopf	title: PLUG CONNECTOR 38pos.	
appd. 12.01.05	E. Mickenbecker	SOLDER PIN ANGLED, INVERTED	
norm		CompactPCI	
d-old		dwg no:	[Inventor] DIN-
1x b	A 2168 21.02.05 Mkf.	45K1A004 A2	
rev. description	date name	sh: 1	
part no: CPH38W23MARARK9X			



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