

**NOTES:**

**1. MATERIALS AND FINISHES:**

- INSULATOR: GLASS FILLED PLASTIC UL 94 V-0 RATED, GREY RAL 7035
- CONTACTS: COPPER ALLOY, PLATING: 0,8 µM GOLD OVER NICKEL

**2. ELECTRICAL CHARACTERISTICS:**

- CREEPING AND CLEARANCE DISTANCE; MINIMUM SPACING:
- CONTACTS 5-16 TO ANY OTHER CONTACT WITHIN THIS GROUP: 0,7 MM
- CONTACTS 17-24 TO ANY OTHER CONTACT WITHIN THIS GROUP: 2,5 MM
- CONTACT 25 TO 26: 5,5 MM
- CONTACTS 27-34 TO ANY OTHER CONTACT WITHIN THIS GROUP: 1,4 MM
- CONTACTS 13-16 TO 17-20: 3,0 MM
- CONTACTS 21-24 TO 25-26: 4,0 MM
- CONTACTS 25-26 TO 27-29: 2,0 MM

**CONTACT CURRENT RATING:**

- POWER CONTACTS: 16 AMPERES MINIMUM, TESTED PER CSA C22.2 NO. 182.3-M1987, ALL CONTACTS UNDER LOAD
- SIGNAL CONTACTS: 2 AMPERES NOMINAL
- INITIAL CONTACT RESISTANCE PER IEC 512-2, TEST 2b:
- POWER CONTACTS: 0,0022 OHM MAX.
- SIGNAL CONTACTS: 0,0085 OHM MAX.

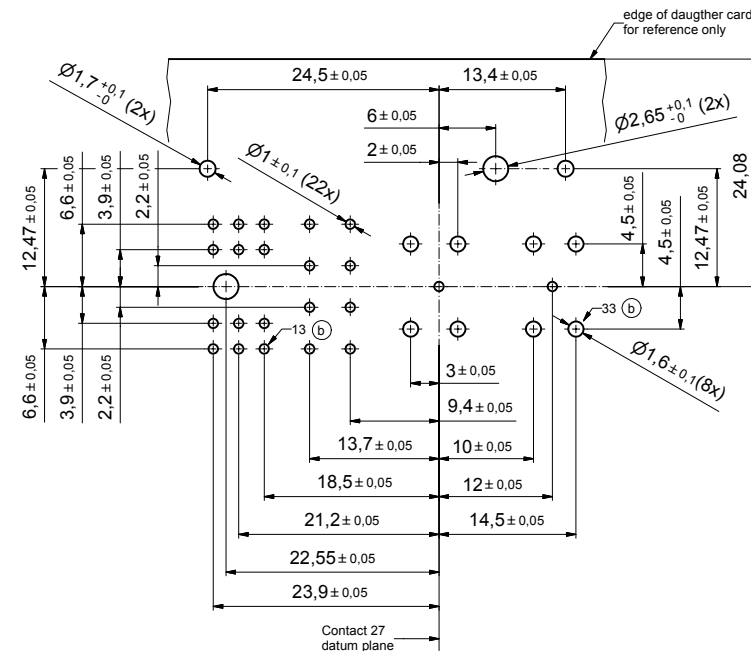
INSULATION RESISTANCE: 5 G OHM PER IEC 512-2, TEST 3a, METHOD A

3. POSITIONS WITHOUT CONTACTS: 1, 2, 3, 4

4. WORKING TEMPERATURE: -55°C TO +125°C

5. CONNECTOR IS PART MARKED: [PART-NO. CONEC ABC]

**PCB hole pattern**



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

finish: see notes		tolerance ISO 2768-m	scale: 2,5:1 (10:1)
date		name	material: see notes
drawn	22.08.05	Mankopf	title: <b>MALE CONNECTOR 30pos.</b> SOLDER PIN ANGLED AdvancedTCA
appd.	22.08.05	Kühle	
norm			
d-old			
dwg no:	[Inventor]		DIN-A2
rev.	description	date	sh: 1
2 x b	Ä 2592	23.10.06	HS
part no: <b>ATC30W08MARCS5X</b>			



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