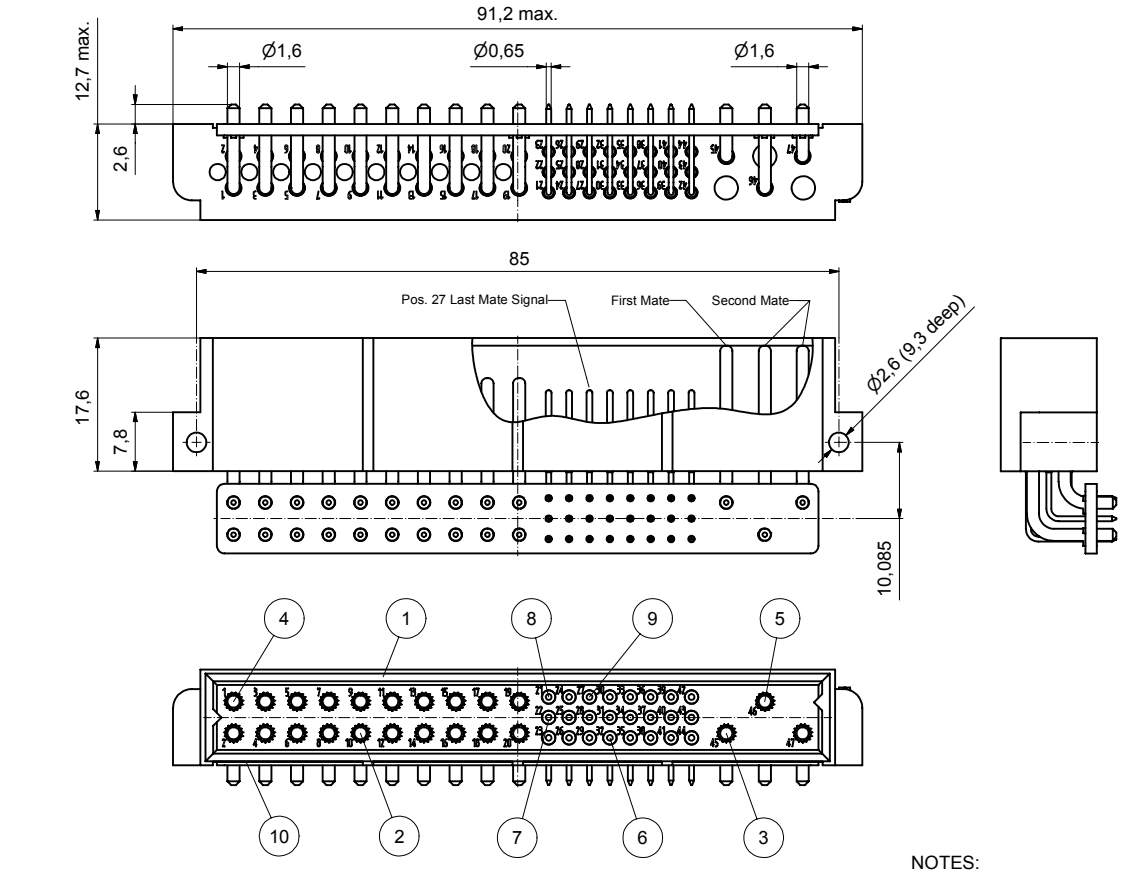

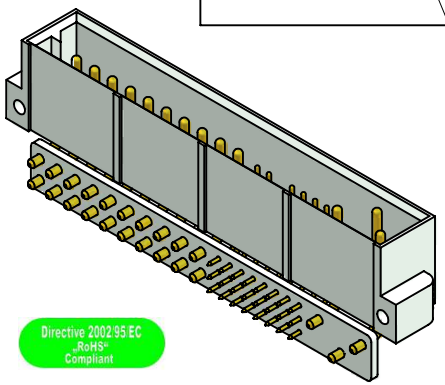

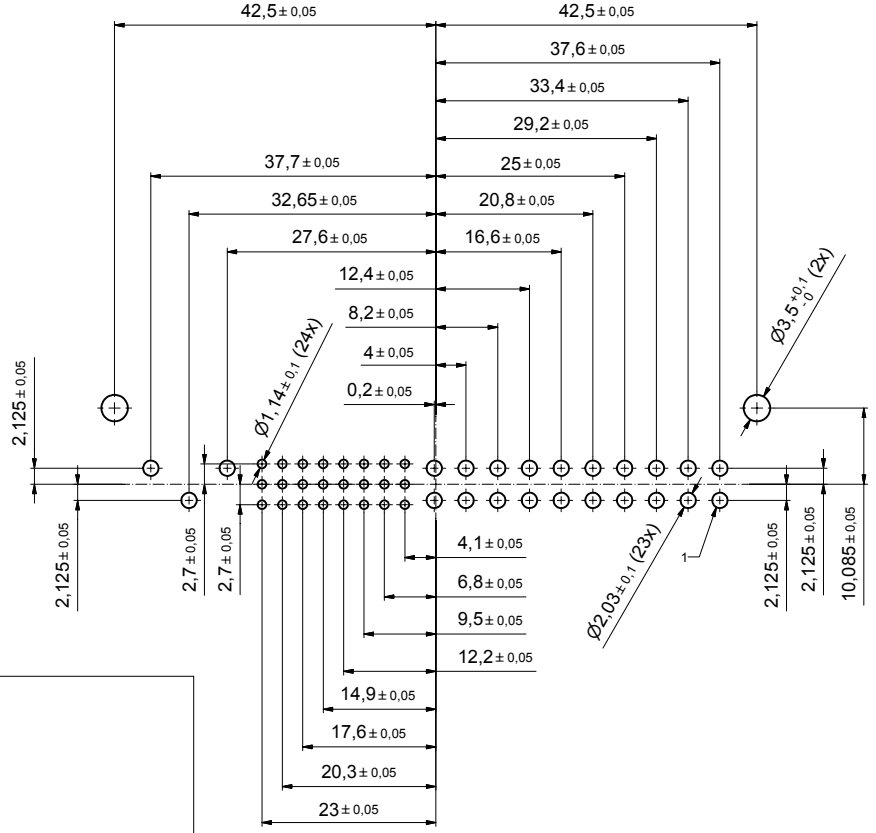

PCB hole pattern

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:
   - 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.
3. WORKING TEMPERATURE: -55°C TO +125°C
4. ORDER OF CONTACT MATING:
   1. MATE: POS. 45 / 2. MATE: POS. 46, 47 / LAST MATE: POS. 27
5. CONNECTOR IS PART MARKED: CPH47W23MARCSK9X CONEC ABC ⓑ

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

partlist

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finish: see notes
tolerance ISO 2768-m
dim. in mm
scale: 2:1
material: see notes

	date	name
drawn	21.02.06	Schmidt
appd.	21.02.06	Kühle
norm		
d-old		

rev.	description	date	name
2 x b	Ä 3245	13.01.09	HS
a	Origin		

title:
PLUG CONNECTOR 47pos.
SOLDER PIN ANGLED, STANDARD
CompactPCI

dwg no: 45K2A007 | Inventor | DIN-A2 | sh: 1

part no: CPH47W23MARCSK9X