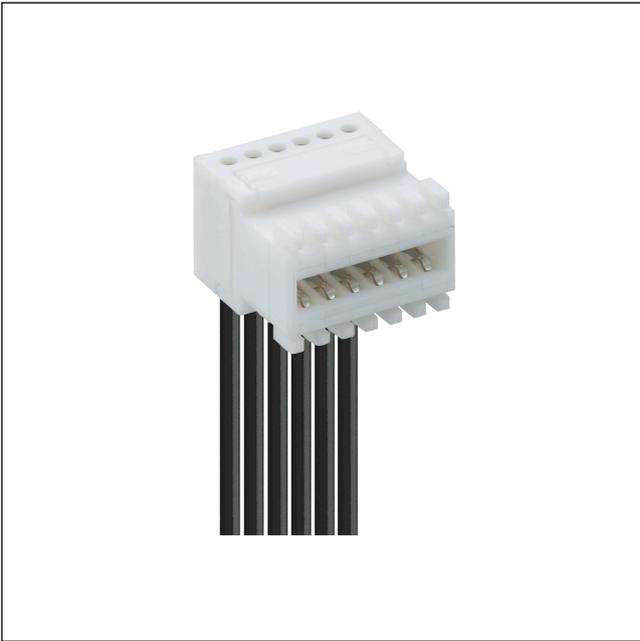


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331000

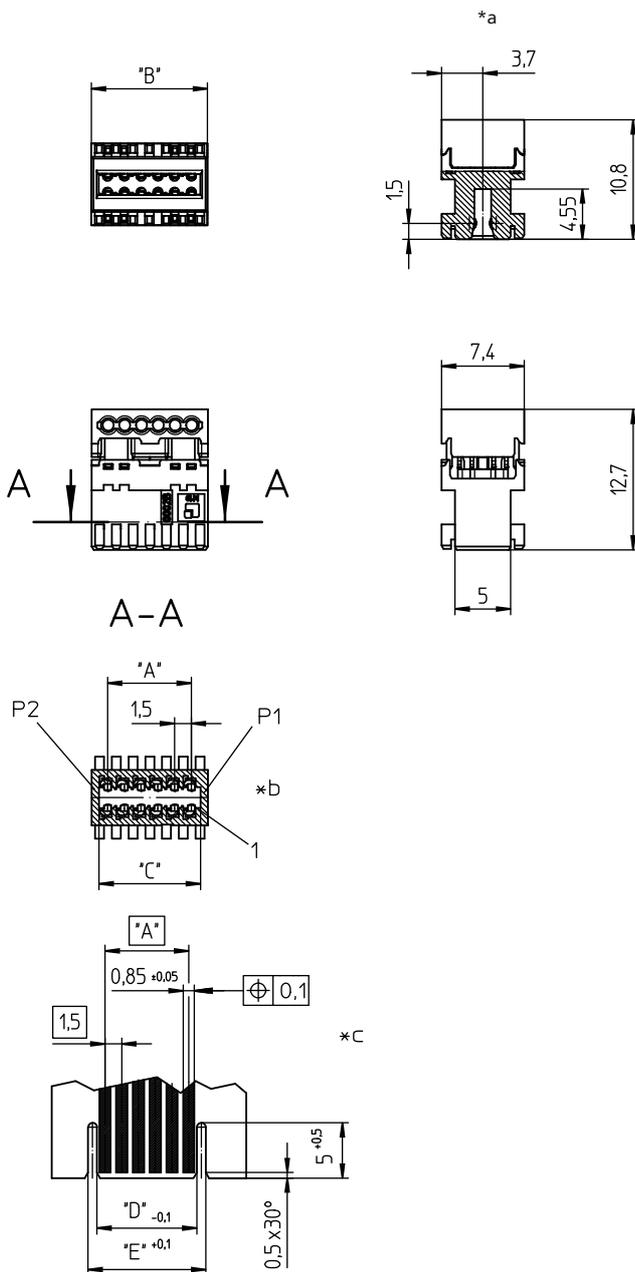
RAST 1.5 connectors, pitch 1.5 mm



RAST 1.5 connector for direct mating, insulation displacement technology (IDT), alternatively with or without closed sides

Approvals:





- *a terminated connector
- *b P1, P2 = positioning
- *c example for printed circuit board layout

Environmental conditions

Temperature range -40 °C/+130 °C¹
¹ upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

Materials

Insulating body PA GF, V-0 according to UL94¹
 Contact spring CuSn, tin-plated

¹ material halogen-free and ATO-free, component glow wire resistant (GWEPT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

Mechanical data

Mating with printed circuit board 1.5 ± 0.14 mm
 Insertion force/contact ≤ 2.0 N
 Withdrawal force/contact ≥ 0.3 N

Connectable conductors for IDT area

Construction discrete conductor
 Section min. 0.22 mm²
 Section max. 0.22 mm²
 Insulation diameter ≤ 1.2 mm
 Approved cables at www.lumberg.com 

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 5 mΩ
 Rated current 3.0 A (T_{amb} 85 °C, VDE)
 3.0 A (ULus)
 2.3 A (cUL)
 Rated voltage 50 V
 Material group I (IEC)/0 (UL) (CTI ≥ 600)
 Creepage distance 0.6 mm
 Clearance 0.5 mm
 Insulation resistance > 1 GΩ

Associated products

Harnessing equipment
 HA33f-CA-KC  HA33f-CA-KC-KT  HA33f-CA-KC-KT-HV
 HA33f-KC  HA33f-KC-KT  HZ-M33

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions				
				A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
331000 02	2	972		1.5	4.4	3.1	2.95	4.55
331000 03	3	726		3.0	5.9	4.6	4.45	6.05
331000 04	4	582		4.5	7.4	6.1	5.95	7.55
331000 05	5	486		6.0	8.9	7.6	7.45	9.05
331000 06	6	414		7.5	10.4	9.1	8.95	10.55
331000 07	7	360		9.0	11.9	10.6	10.45	12.05
331000 08	8	324		10.5	13.4	12.1	11.95	13.55
331000 09	9	288		12.0	14.9	13.6	13.45	15.05
331000 10	10	264		13.5	16.4	15.1	14.95	16.55
331000 11	11	240		15.0	17.9	16.6	16.45	18.05
331000 12	12	222		16.5	19.4	18.1	17.95	19.55

Packaging:
in a multiple bar magazine