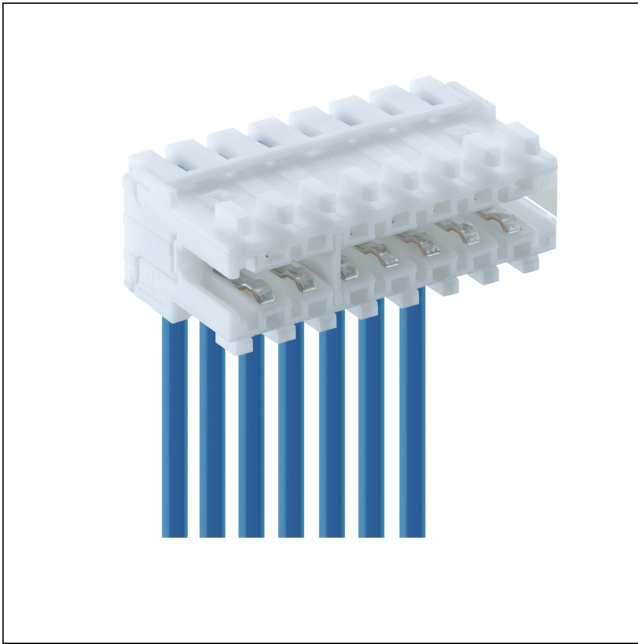


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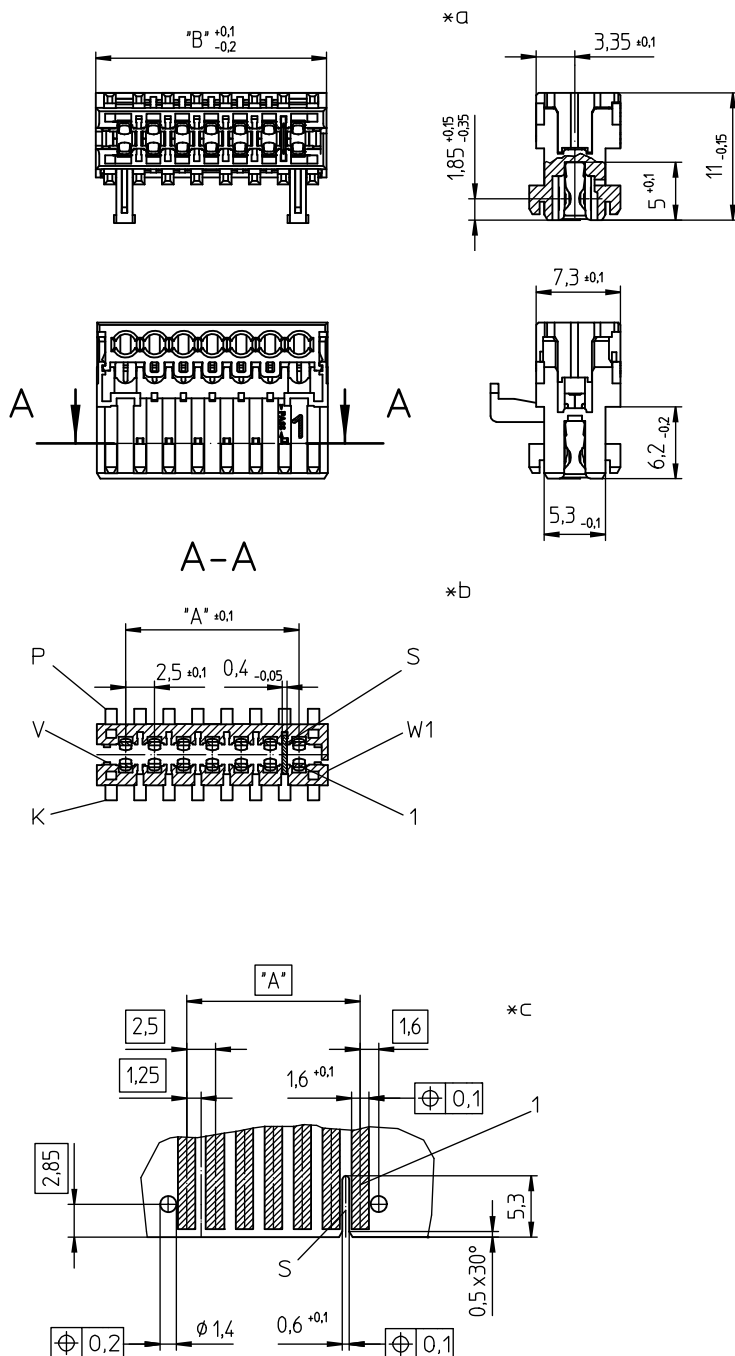
RAST 2.5 connectors, pitch 2.5/5.0 mm



RAST 2.5 plus™ connector for direct mating, with double-sided keying, insulation displacement technology (IDT), with locking on printed circuit board by means of locking toes, alternatively with or without keying rib and closed sides
contact pitch 2.5 mm

Approvals:   US pending

35 351700



Environmental conditions

Temperature range $-40\text{ °C}/+130\text{ °C}^1$

¹ upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

Materials

Insulating body

PA, V-0 according to UL94¹

Contact spring

CuSn, tin-plated
(with 10 or more poles with
contact variant V214, CuSn, tin-
plated, with lubricant)

¹ material halogen-free, GWFI 850 °C, GWIT 775 °C

Mechanical data

Insertion force/contact $\leq 4,0\text{ N}$

Withdrawal force/contact $\geq 0,5\text{ N}$

Retaining force/locking $\geq 6,0\text{ N}^1$

¹ measured with a polished steel gauge, nominal thickness 1.5 mm

Connectable conductors for IDT area

Construction discrete conductor, notched flat
cable 2.5 mm

Section min. $0,35\text{ mm}^2$

Section max. $0,38\text{ mm}^2$

Insulation diameter $\leq 1,6\text{ mm}$

Electrical data (at $T_{\text{amb}} 20\text{ °C}$)

Contact resistance $\leq 5\text{ m}\Omega$

Rated current $4\text{ A } (T_{\text{amb}} 60\text{ °C})$
 $2\text{ A } (T_{\text{amb}} 100\text{ °C})$

Rated voltage 80 V AC

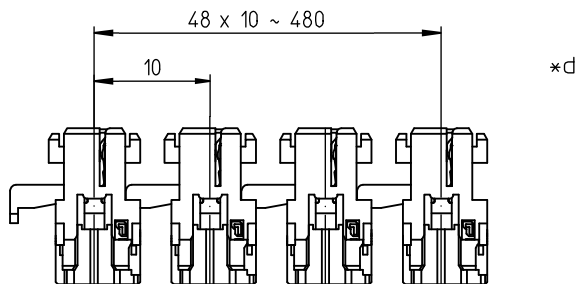
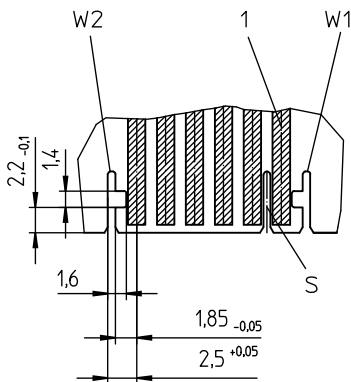
Material group I (IEC)/0 (UL) (CTI ≥ 600)

Creepage distance $0,7\text{ mm}$

Clearance $0,7\text{ mm}$

Insulation resistance $> 1\text{ G}\Omega$

35 351700



- *a terminated connector
- *b K = keying
P = positioning
S = keying rib (alternatively)
V = lock
W = closed side (alternatively)
- *c examples for printed circuit board layouts
- *d chaining of the component parts (state of delivery)

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions	
				A (mm)	B (mm)
351700 02	2	4752	14256	2.5	7.4
351700 03	3	3456	10368	5.0	9.9
351700 04	4	2592	7776	7.5	12.4
351700 05	5	2160	6480	10.0	14.9
351700 06	6	1728	5184	12.5	17.4
351700 07	7	1728	5184	15.0	19.9
351700 08	8	1296	3888	17.5	22.4
351700 09	9	1296	3888	20.0	24.9
351700 10	10	1296	3888	22.5	27.4
351700 11	11	864	2592	25.0	29.9

Designation to be completed by further details (e.g. for keying, color or material options).

Packaging:

chained, in a cardboard box