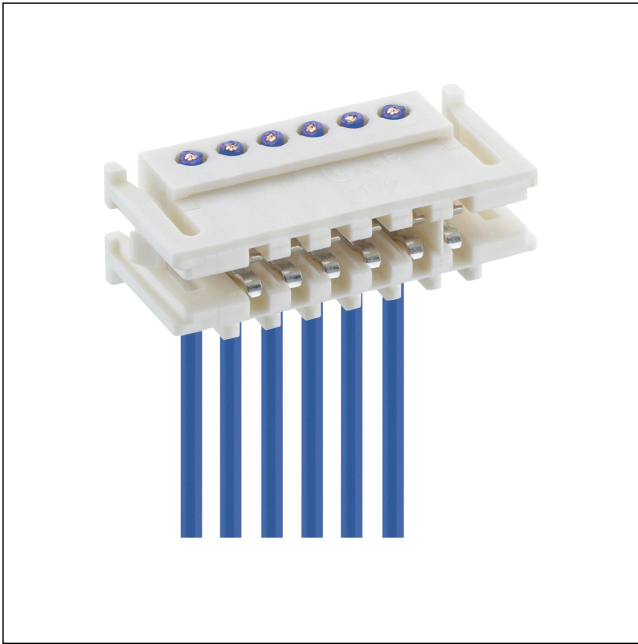


35 3525

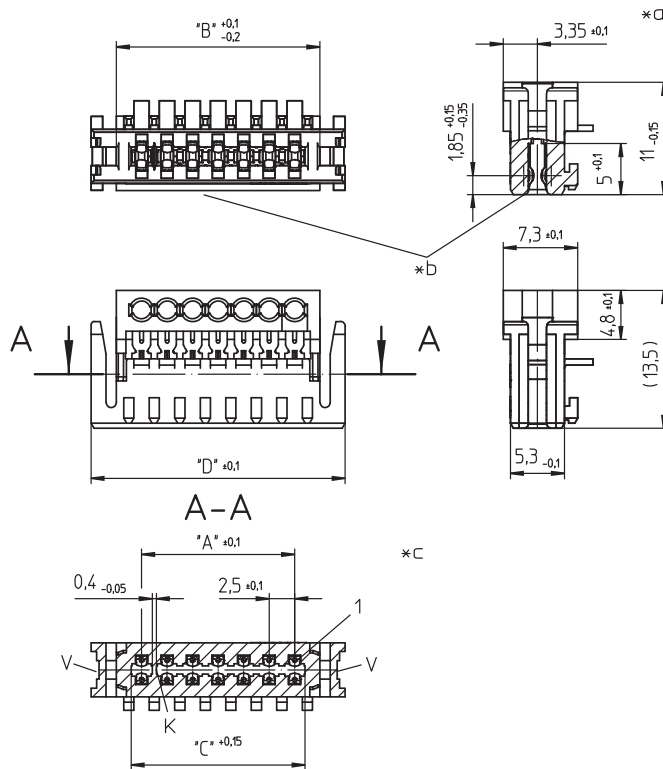
RAST 2.5 connectors, pitch 2.5/5.0 mm



RAST 2.5 connector for direct mating, insulation displacement technology (IDT), with locking on printed circuit board by means of lateral locking hooks (min. 80 N retaining force), alternatively with or without keying rib and closed sides, for individual conductors, daisy chain possible
contact pitch 2.5 mm

35

3525



Environmental conditions

Temperature range -40 °C/+130 °C¹

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

Materials

Insulating body PBT, V-0 according to UL94
Contact spring CuSn, tin-plated, with lubricant – 3525 S03V214

Mechanical data

Mating with printed circuit board 1.5 ± 0.14 mm
Insertion force/contact ≤ 4.0 N¹
Withdrawal force/contact ≥ 0.5 N¹
Retaining force/locking ≥ 80 N²
Keying proposals at www.lumberg.com 

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

² 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. 0.22 mm²
Section max. 0.38 mm²
Insulation diameter ≤ 1.6 mm
Approved cables at www.lumberg.com 

Electrical data (at T_{amb} 20 °C)

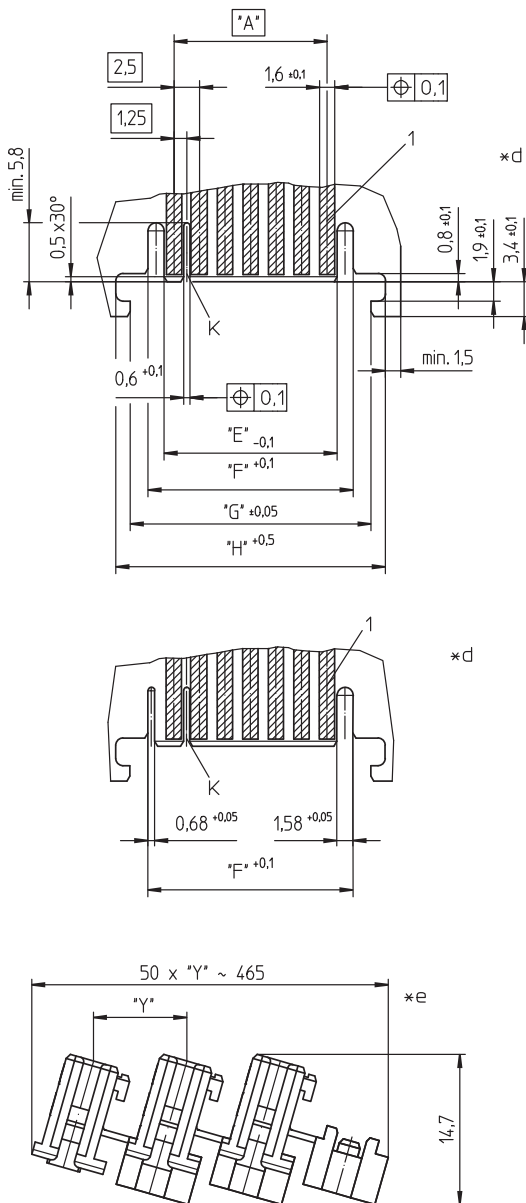
Contact resistance ≤ 5 mΩ
Rated current 4 A (T_{amb} 60 °C)
2 A (T_{amb} 100 °C)
Rated voltage 32 V AC
Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)
Creepage distance 0.6 mm
Clearance 0.6 mm
Insulation resistance > 1 GΩ

Associated products

Harnessing equipment

 HA3...e	 HA35e	 HA35e-CA
 HA35e-DC	 HA35e-RK	 HA35f
 HA35f-CA	 HA35f-CA-KC	 HA35f-CA-KC-KT
 HA35f-CA-KC-KT-HV	 HA35f-HV	 HA35f-KC

35 3525



HA35f-KC-KT	HA35f-RK	HA35f-RK-CA
HA35f-RK-CA-KC	HA35f-RK-CA-KC-KT	HA35f-RK-CA-KC-KT-HV
HZ-M35	HZ35	HZ35-K
KHP35	VARICON 7000	VARICON 7000-DC
VARICON 7000-DC-CR	VARICON 7000-Eco	VARICON 7000-Eco-CR
VARICON 7000-Inline-CR	VARICON 7000-Inline-CR	VARICON 7000-RD
VARICON 7000-RD-CR	VARICON 7000-Unica-35	

- *a terminated connector
- *b color marking:
3525 S03 brown
- *c K = keying (alternatively)
P = positioning (alternatively)
V = locking
- *d example for printed circuit board layout
- *e chaining of the component parts (state of delivery)

35 3525

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions						
				A (mm)	B (mm)	C (mm)	E (mm)	F (mm)	G (mm)	H (mm)
3525 02	2	4950	4950	2.5	7.4	4.5	4.45	7.6	11.1	13.9
3525 03	3	3600	3600	5.0	9.9	7.0	6.95	10.1	13.6	16.4
3525 04	4	2700	2700	7.5	12.4	9.5	9.45	12.6	16.1	18.9
3525 05	5	2250	2250	10.0	14.9	12.0	11.95	15.1	18.6	21.4
3525 06	6	1800	3600	12.5	17.4	14.5	14.45	17.6	21.1	23.9
3525 07	7	1800	3600	15.0	19.9	17.0	16.95	20.1	23.6	26.4
3525 08	8	1350	2700	17.5	22.4	19.5	19.45	22.6	26.1	28.9
3525 09	9	1350	2700	20.0	24.9	22.0	21.95	25.1	28.6	31.4
3525 10	10	1350	2700	22.5	27.4	24.5	24.45	27.6	31.1	33.9
3525 11	11	900	2700	25.0	29.9	27.0	26.95	30.1	33.6	36.4
3525 12	12	900	2700	27.5	32.4	29.5	29.45	32.6	36.1	38.9

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

Packaging:

chained, in a cardboard box