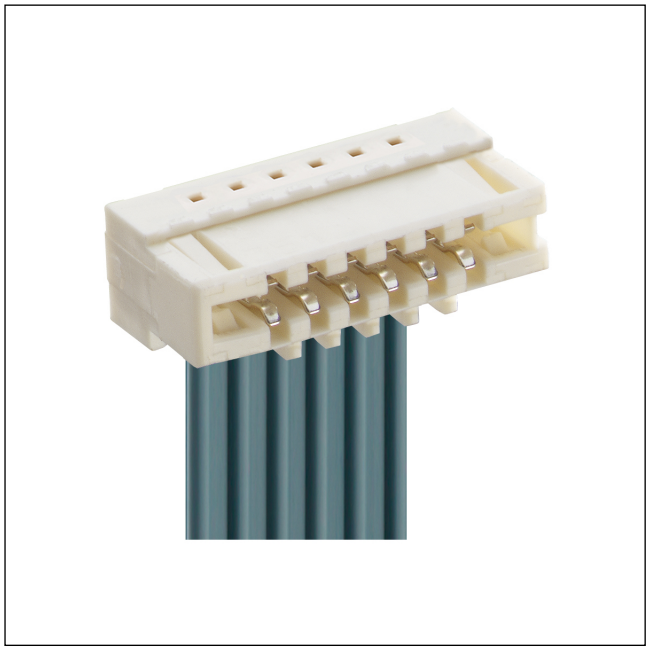
35 3515-2

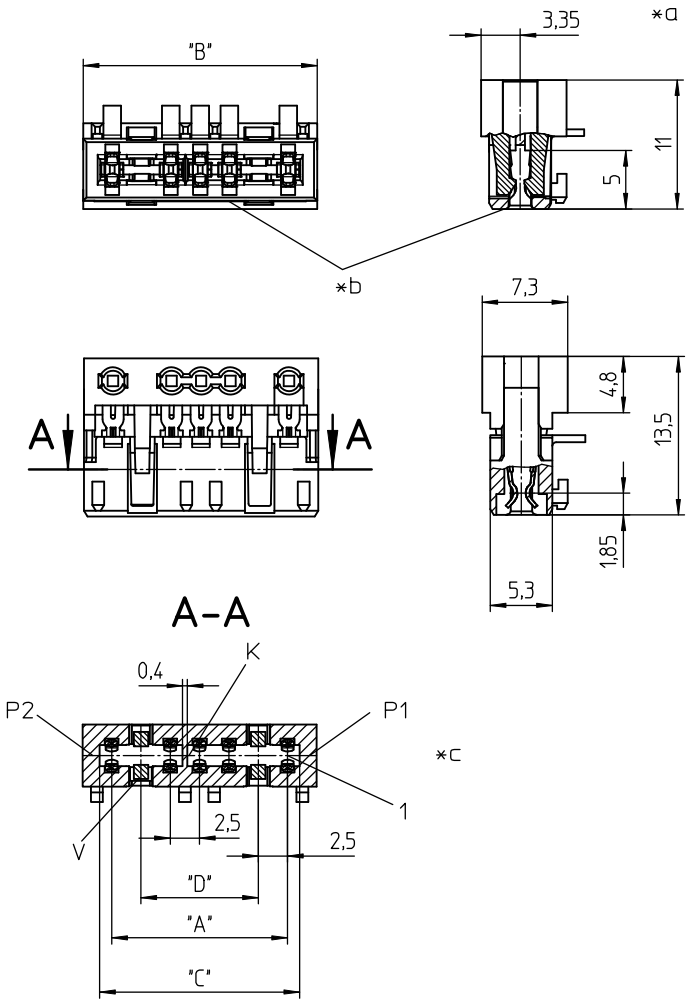
RAST 2.5 connectors, pitch 2.5/5.0 mm



RAST 2.5 connector for direct mating, insulation displacement technology (IDT), with locking on printed circuit board by means of locking hooks, alternatively with or without keying rib and closed sides, for ribbon cable
contact pitch 2.5 mm

Approvals:

35 3515-2



Environmental conditions

Temperature range	-40 °C/+130 °C [1]

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

Materials

Insulating body	PBT, V-0 according to UL94 – 3515-2 (S...V...) PA, V-2 according to UL94 – 3515-2 M12(S...V...) [1]
Contact spring	CuSn, tin-plated – 3515-2 (M...S...) CuSn, tin-plated (Sn/Ag), 2-9 poles – 3515-2 (M...S...)V03 CuSn, pre-nickel and gold-plated – 3515-2 (M...S...)V102

[1] M12: component glow wire resistant (GWT 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	≤ 4,0 N [1]
Withdrawal force/contact	≥ 0,5 N [1]
Retaining force/locking	≥ 6,0 N [2]
Keying proposals	at www.lumberg.com

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

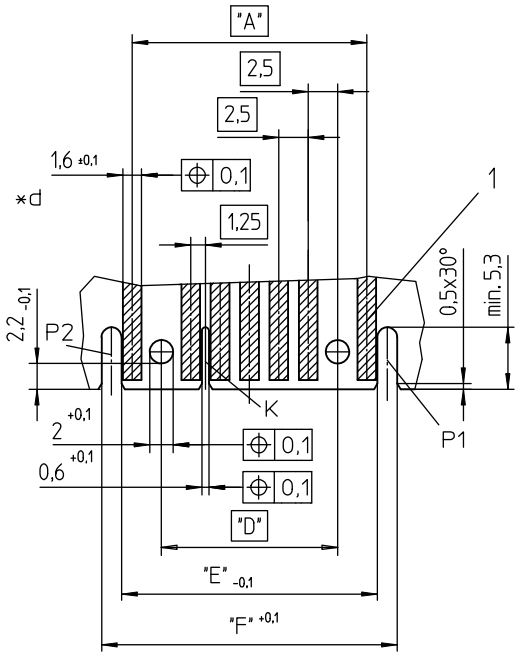
[2] measured with a polished steel gauge, nominal thickness 1.5 mm

Connectable conductors for IDT area

Construction	discrete conductor, flat cable 2.5 mm
Section min.	0,14 mm²
Section max.	0,38 mm²
Insulation diameter	≤ 1,6 mm
Approved cables	at www.lumberg.com

Electrical data (at T_{amb} 20 °C)

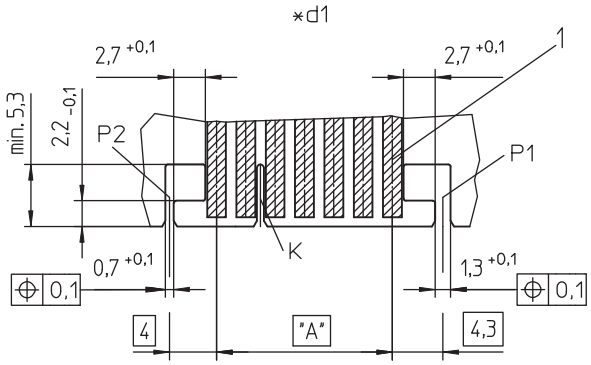
Contact resistance	≤ 5 mΩ
Rated current	4 A (T_U 60 °C) 2 A (T_U 100 °C)
Rated voltage	32 V AC
Material group	IIIa (IEC)/2 (UL) (CTI ≥ 250)
Creepage distance	0,6 mm
Clearance	0,6 mm
Insulation resistance	> 1 GΩ

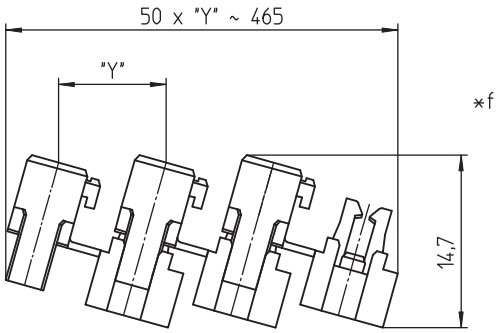


Associated products

Harnessing equipment

HA3..e	HA35-CA	HA35e
HA35e-CA	HA35e-RK	HA35f
HA35f-CA	HA35f-CA-KC	HA35f-CA-KC-KT
HA35f-CA-KC-KT-HV	HA35f-HV	HA35f-KC
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-RD





*a terminated connector

*b color marking:
3515-2 (M...)S01 blue
3515-2 (M...)S02 green
3515-2 (M...)S03 brown

*c K = keying (alternatively)
P1, P2 = positioning (alternatively)
V = lock (1 up to 6 poles, 2 from 7 poles on)

*d example for printed circuit board layout

*d1 example for printed circuit board layout for version with outward locking hooks and thin sidewall

*f chaining of the component parts (state of delivery)

35 3515-2

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions					
				A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
3515-2 03	3	2700	5400	7.5	12.4	9.5	-	9.45	12.6
3515-2 04	4	2250	4500	10.0	14.9	12.0	-	11.95	15.1
3515-2 05	5	1800	3600	12.5	17.4	14.5	-	14.45	17.6
3515-2 06	6	1800	3600	15.0	19.9	17.0	-	16.95	20.1
3515-2 07	7	1350	2700	20.0	24.9	22.0	15.0	21.95	25.1
3515-2 08	8	1350	2700	22.5	27.4	24.5	17.5	24.45	27.6
3515-2 09	9	900	2700	25.0	29.9	27.0	20.0	26.95	30.1
3515-2 10	10	900	2700	27.5	32.4	29.5	22.5	29.45	32.6
3515-2 11	11	900	2700	30.0	34.9	32.0	25.0	31.95	35.1
3515-2 12	12	900	2700	32.5	37.4	34.5	27.5	34.45	37.6
3515-2 13	13	900	2700	35.0	39.9	37.0	30.0	36.95	40.1
3515-2 14	14	450	2700	37.5	42.4	39.5	32.5	39.45	42.6
3515-2 15	15	450	2700	40.0	44.9	42.0	35.0	41.95	45.1
3515-2 16	16	450	2700	42.5	47.4	44.5	37.5	44.45	47.6
3515-2 17	17	450	2700	45.0	49.9	47.0	40.0	46.95	50.1
3515-2 18	18	450	2700	47.5	52.4	49.5	42.5	49.45	52.6

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

Packaging:
chained, in a cardboard box