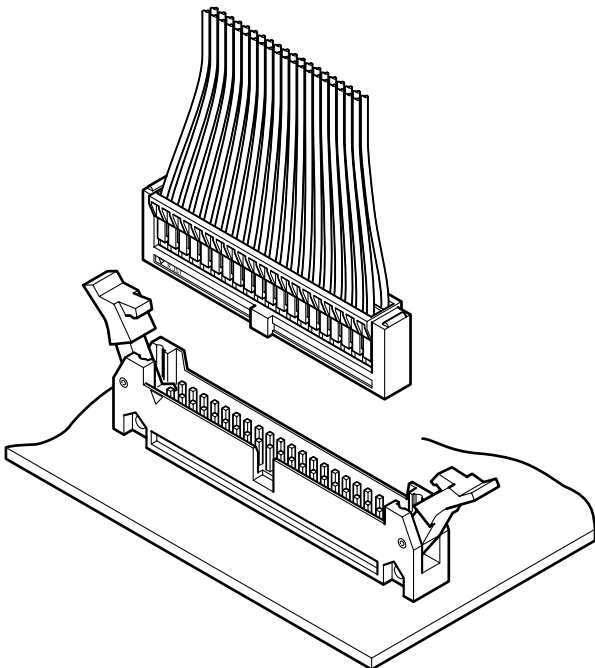# RA **CONNECTOR**

Disconnectable Crimp style connectors

Crimp style receptacles that are designed to mate with headers conforming to MIL-C-83503. The low insertion force contacts reduce surface finish wear and resist stress relaxation very well.

Features

• Secure locking mechanism (RA, RX headers)

The locking levers are engaged by inserting the receptacle into the header. This ensures a firm connection that's highly resistant to impact and vibration.

• Housing lances

The contact retention lances on the resilient housing allow visual confirmation of contact lock-in for easy and secure insertion.

• Low insertion force contact

The low insertion force contacts reduce surface finish wear and reduce the effects of stress relaxation.

• Anti-misinsertion feature

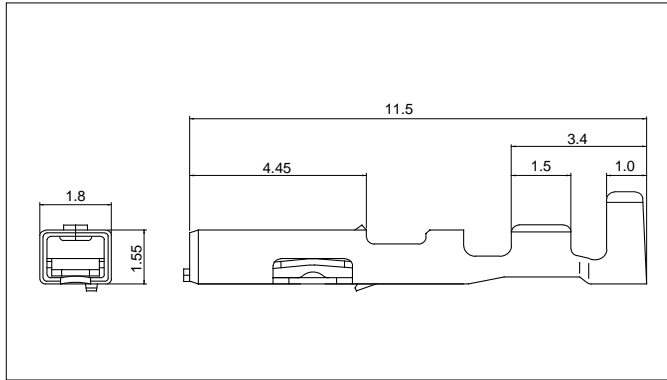The guide devices of both housing and header prevent reverse connector insertion.

Specifications

- Current rating: 1.0A AC, DC (AWG #22)
- Voltage rating: 300V AC, DC
- Temperature range: -55˚C to +85˚C
  (including temperature rise in applying electrical current)
- Contact resistance: Initial value/15m Ω max.
  After environmental testing/30m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AWG #26 to #22
- Applicable PC board thickness: 1.6mm
- * RoHS compliant products are published.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

UR Recognized E60389

Contact

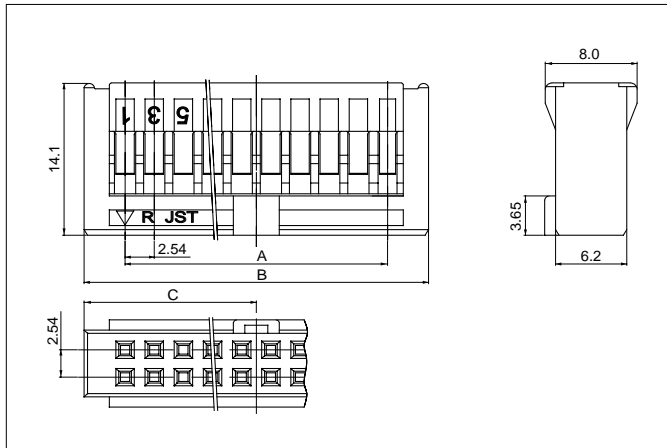| Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. (mm)	
RA-SC1290	0.13 to 0.33	26 to 22	1.3 to 1.7	8,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

RoHS compliance
Note: Contact JST for gold-plated contacts.

Housing

Circuits	Model No.	Dimensions (mm)			Q'ty / box
		A	B	C	
10	**RA-1011**	10.16	17.50	8.75	500
16	**RA-1611**	17.78	25.12	12.56	500
20	**RA-2011**	22.86	30.20	15.10	500
26	**RA-2611**	30.48	37.82	18.91	250
30	**RA-3011**	35.56	42.90	21.45	200
34	**RA-3411**	40.64	47.98	23.99	250
40	**RA-4011**	48.26	55.60	27.80	200
50	**RA-5011**	60.96	68.30	34.15	200
60	**RA-6011**	73.66	81.00	40.50	250

Material
Glass-filled PBT, UL94V-0, black

RoHS compliance

Header

The following headers are applicable to the above Housing.

	RA header		RX header		RK header	
Circuits	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type
10	**RA-H101TD-1190**	**RA-H101SD-1190**	–	–	–	–
16	**RA-H161TD-1190**	**RA-H161SD-1190**	–	–	–	–
20	**RA-H201TD-1190**	**RA-H201SD-1190**	**RX-H201TD-1190**	**RX-H201SD-1190**	–	–
26	**RA-H261TD-1190**	**RA-H261SD-1190**	–	–	–	–
30	**RA-H301TD-1190**	–	–	–	–	–
34	**RA-H341TD-1190**	**RA-H341SD-1190**	**RX-H341TD-1190**	**RX-H341SD-1190**	**RK-H341TD-0190**	**RK-H341SD-0190**
40	**RA-H401TD-1190**	**RA-H401SD-1190**	**RX-H401TD-1190**	**RX-H401SD-1190**	**RK-H401TD-0190**	**RK-H401SD-0190**
50	**RA-H501TD-1190**	**RA-H501SD-1190**	**RX-H501TD-1190**	**RX-H501SD-1190**	–	–
60	**RA-H601TD-1190**	**RA-H601SD-1190**	**RX-H601TD-1190**	**RX-H601SD-1190**	–	–

RoHS compliance   *This product displays (LF)(SN) on a label.*
Note: Contact JST for gold-plated headers.

Crimping machine, Applicator

Contact	Crimping machine	Crimp applicator	Dies	Crimp applicator with dies
RA-SC1290	AP-K2N	MKS-L	MK/RA-SC12	APLMK RA-SC12
		*MKS-SC	*SC/RA-SC12	APLSC RA-SC12

*Note: *Strip-crimp applicator*