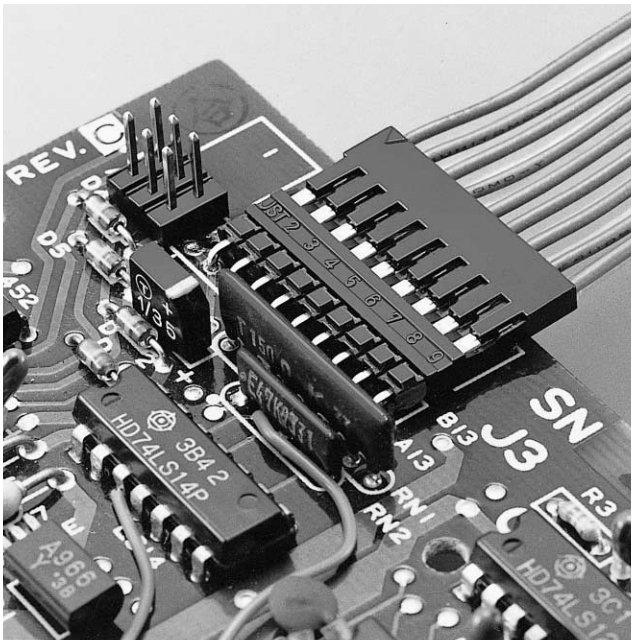
JST

Crimp

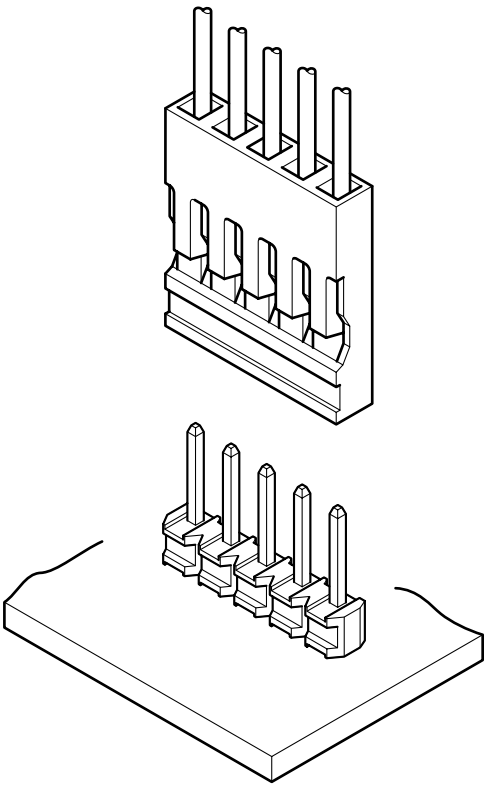
2.54mm (.100") pitch

RE CONNECTOR·HEADER

Disconnectable Crimp style connectors and headers



The RE series was developed as a reliable, low-cost, crimp style connector for connecting wires to printed circuit boards. It is well suited for completing the internal connections of office automation equipment, such as personal computers, office computers, and their peripheral devices.



Features

• Reliable, yet low in cost

Our unique, double-leaf spring contact withstands the stresses caused by repeated mating and unmating and ensures a stable high-pressure connection. The contacts and headers are selectively gold-plated to reduce costs. Depending on the application, fully tin-plated contacts and headers are available to further reduce costs.

• Space-saving, high-density design

Measuring only 16.54mm (.651") in height and 2.54mm (.100") thick when mounted on a printed circuit board, the RE connector and header require less mounting space and facilitate high-density circuit design.

• Easy contact insertion

A slight force is all that is needed to insert the contacts into the housing, because the housing has lances. The position of the contacts in the housing can be visually checked. This facilitates insertion of the contacts in the housing.

• It can be cut to any length to provide a header with any number of circuits

Notches are provided on the insulator that allow it to be cut to any length without using special tools.

Specifications

- Current rating: 2A AC, DC (5 circuits/AWG #24)
- Voltage rating: 250V AC, DC
- Temperature range: (including temperature rise in applying electrical current)
  -55˚C to +105 ˚C(gold plated)
  -55˚C to +85˚C(tin-plated)
- Contact resistance: Initial value/15m Ω max.
  After environmental testing/30m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #30 to #24
- Applicable PC board thickness: 1.2 to 1.6mm(.047" to .063")

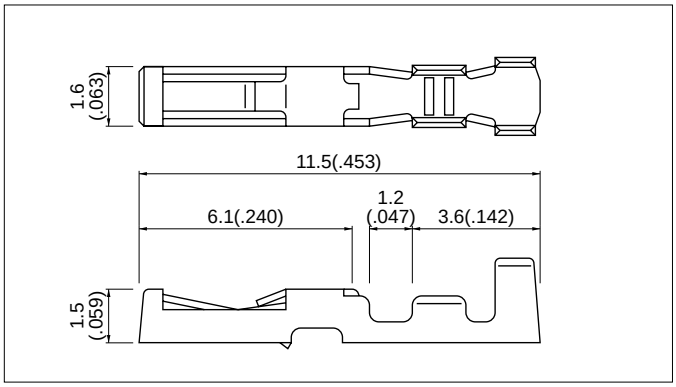
* Contact JST if Lead-Free product is required.
* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
* Contact JST for details.

Standards

Recognized E60389

Certified LR20812

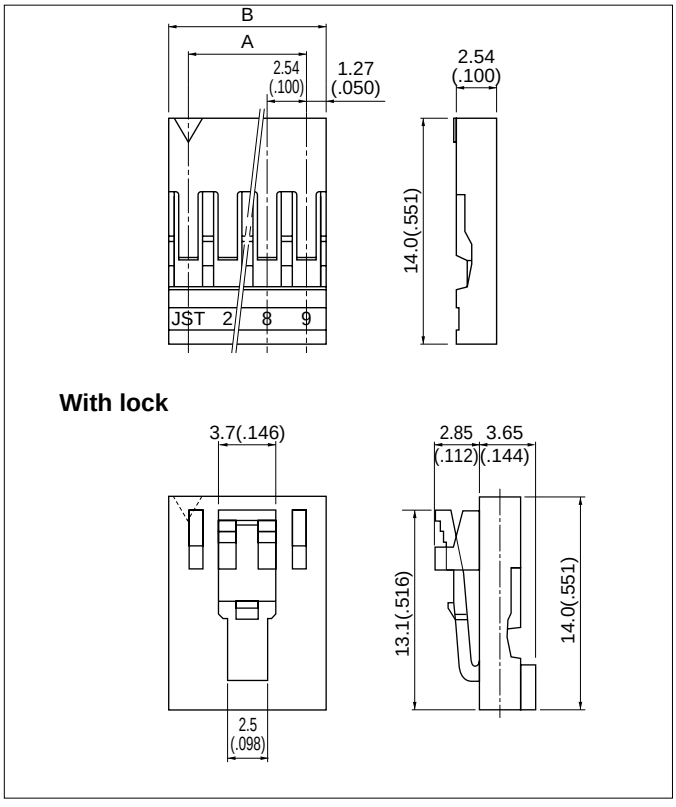
Contact



Model No.	Applicable wire			Finish	Q'ty / reel
	mm²	AWG #	Insulation O.D. mm(in.)		
RF-SC2210	0.05 to 0.22	30 to 24	0.9 to 1.5 (.035 to .059)	Nicel-undercoated, Mating section: Gold-plated Crimp section: Tin/lead-plated	10,000
RF-SC2290				Copper-undercoated, tin-plated	

Material
Phosphor bronze

Housing



Cir-cuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	**RE-02**	2.54(.100)	5.08(.200)	1,000
4	**RE-04**	7.62(.300)	10.16(.400)	1,000
5	**RE-05**	10.16(.400)	12.70(.500)	1,000
8	**RE-08**	17.78(.700)	20.32(.800)	500
9	**RE-09**	20.32(.800)	22.86(.900)	500

Material
PBT, UL94V-0, black

With lock

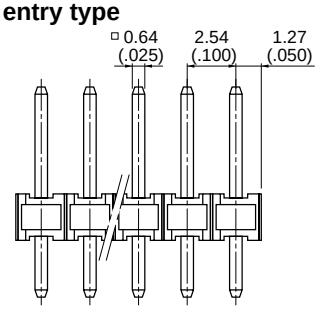
Circuits	Model No.	Q'ty / box
6	**RE-L04**	1,000

Material
Nylon 66, UL94-0

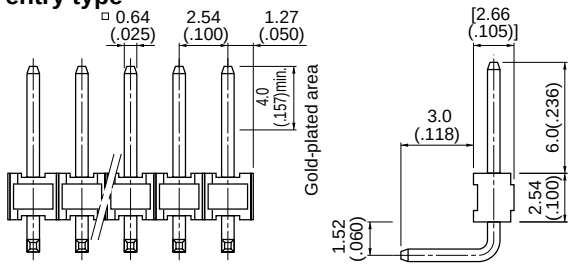
Note: RE-L04 is not UL/CSA approved.

Header

Top entry type



Side entry type



Top entry type

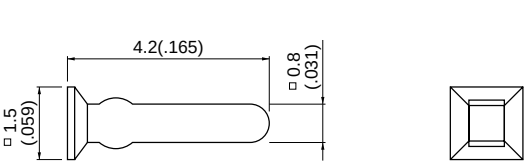
Model No.	Material		Finish
	Wafer	Post	
RE-H(*) 2TD-1130	PBT, UL94V-0, black	Brass	Nickel-undercoated, gold-plated
RE-H(*) 2TD-1190			Copper-undercoated, tin/lead-plated

Side entry type

Model No.	Material		Finish
	Wafer	Post	
RE-H(*) 2SD-1110	PBT, UL94V-0, black	Brass	Nickel-undercoated, Mating section: Gold-plated Solder tail: Tin/lead-plated
RE-H(*) 2SD-1190			Copper-undercoated, tin/lead-plated

Note:
1. A two-digit number (01 to 30) representing the number of circuits should be inserted in ( ). Determine the number depending on the number of circuits of the housing or header.*
2. Contact JST for special products.

Polarizing key



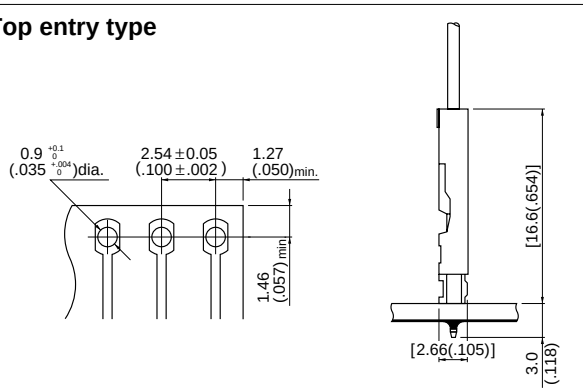
Model No.	Q'ty / bag
PK-RF-1	2,000

Material
PBT, UL94V-0, natural (white)

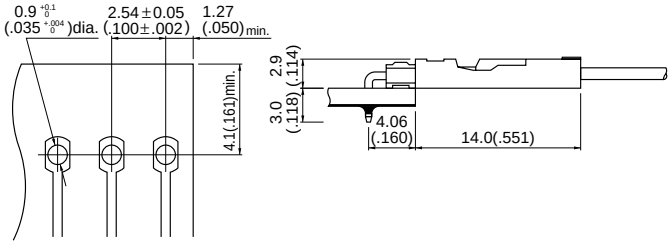
Polarizing key: The polarizing key in the housing prevents misinsertion of the connector to the header.

PC board layout *(viewed from soldering side)* and Assembly layout

Top entry type



Side entry type



Note:
1. Tolerances are non-cumulative: ±0.05mm (±.002") for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
RF-SC22**	APLMK RF-SC22	APLNC RF-SC22	–	–	–