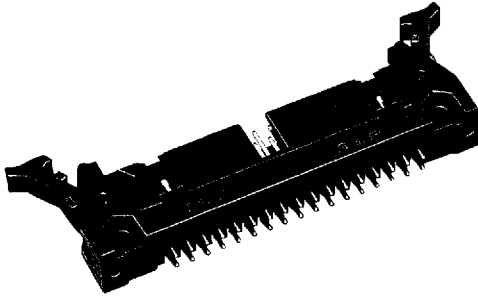


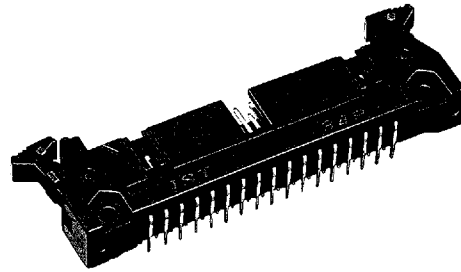
RX CONNECTOR

Shrouded header

Top entry type
with long locking lever



Side entry type
with short locking lever



Specifications

Characteristics

Current rating	1.0A AC, DC
Voltage rating	300V AC, DC
Temperature range	(including temperature rise in applying electrical current) -55°C to +125 °C (gold-plated) -55°C to +105 °C (tin-plated)
Insulation resistance	5,000M Ω min.
Withstanding voltage	500V AC/5 seconds
Applicable PC board thickness	1.6mm(.063")

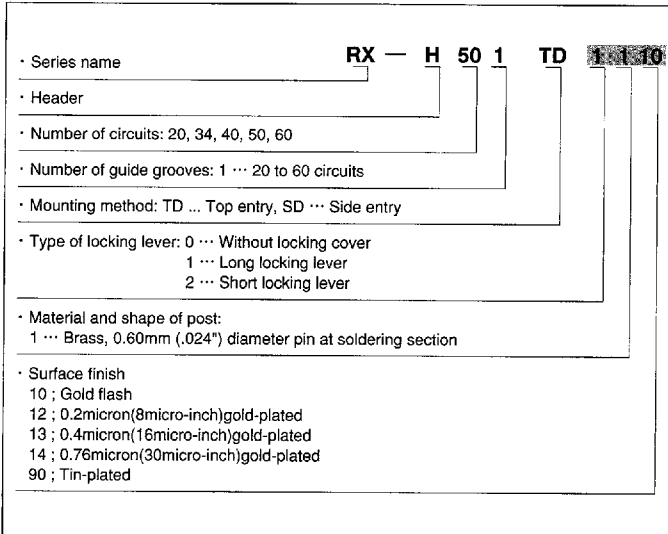
Materials

Contact	Brass · Nickel-undercoated · Mating section: Gold-plated · Solder tail: Tin/lead-plated · Copper-undercoated, tin/lead-plated
Housing	Glass-filled PBT, UL94V-0, black
Locking lever	Glass-filled PBT, UL94V-0, black

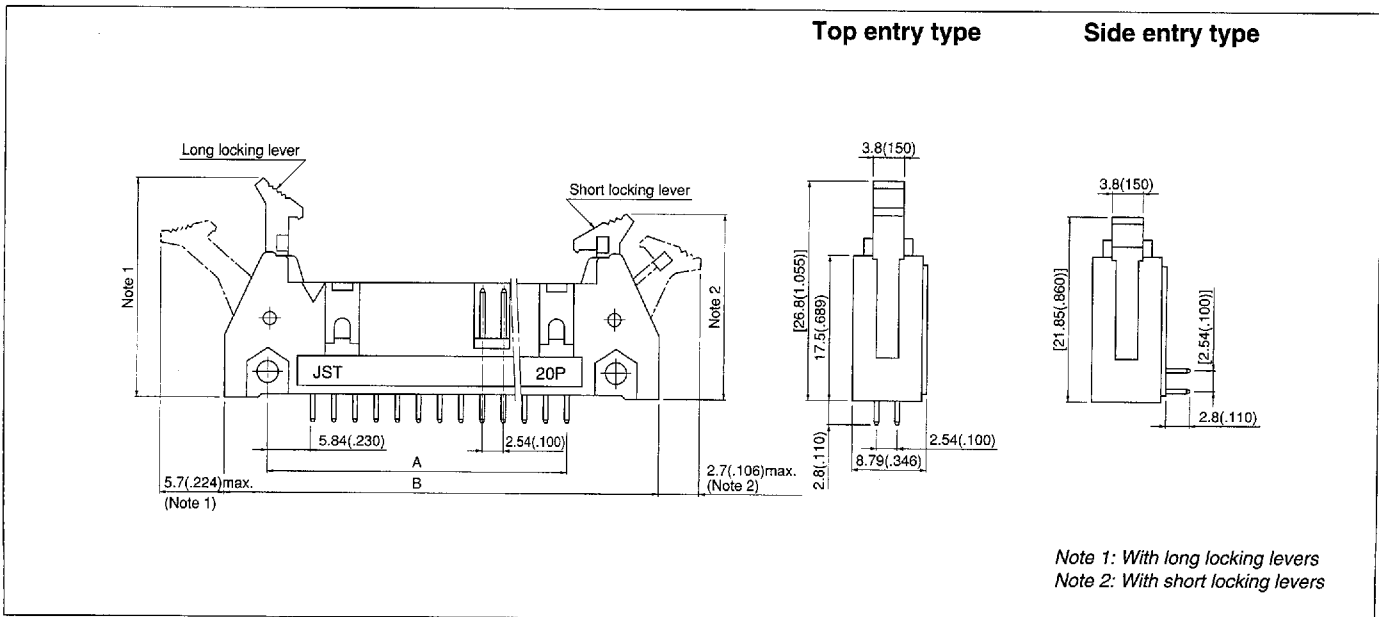
Note: Contact JST for details.

RX CONNECTOR

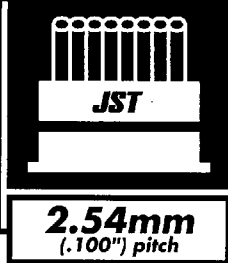
Model number identification



Note:
 The standard gold-plated type is identified by the suffix number [-1110] but this suffix number is usually omitted. Other types must be identified by the full code number.

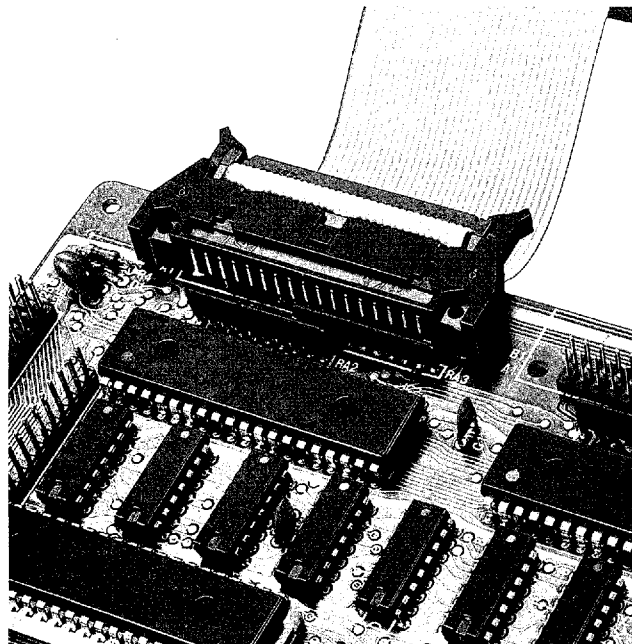


Circuits	Model number				Guide grooves	Dimensions mm(in.)		Q'ty / box
	Gold-plated header		Tin-plated header			A	B	
	Top entry type	Side entry type	Top entry type	Side entry type				
20	Long	RX-H201TD	RX-H201SD	RX-H201TD-1190	RX-H201SD-1190	22.86(.900)	44.66(1.758)	50
	Short	RX-H201TD-2110	RX-H201SD-2110	RX-H201TD-2190	RX-H201SD-2190			
34	Long	RX-H341TD	RX-H341SD	RX-H341TD-1190	RX-H341SD-1190	40.64(1.600)	62.44(2.458)	25
	Short	RX-H341TD-2110	RX-H341SD-2110	RX-H341TD-2190	RX-H341SD-2190			
40	Long	RX-H401TD	RX-H401SD	RX-H401TD-1190	RX-H401SD-1190	48.26(1.900)	70.06(2.758)	25
	Short	RX-H401TD-2110	RX-H401SD-2110	RX-H401TD-2190	RX-H401SD-2190			
50	Long	RX-H501TD	RX-H501SD	RX-H501TD-1190	RX-H501SD-1190	60.96(2.400)	82.76(3.258)	25
	Short	RX-H501TD-2110	RX-H501SD-2110	RX-H501TD-2190	RX-H501SD-2190			
60	Long	RX-H601TD	RX-H601SD	RX-H601TD-1190	RX-H601SD-1190	73.66(2.900)	95.46(3.758)	25
	Short	RX-H601TD-2110	RX-H601SD-2110	RX-H601TD-2190	RX-H601SD-2190			

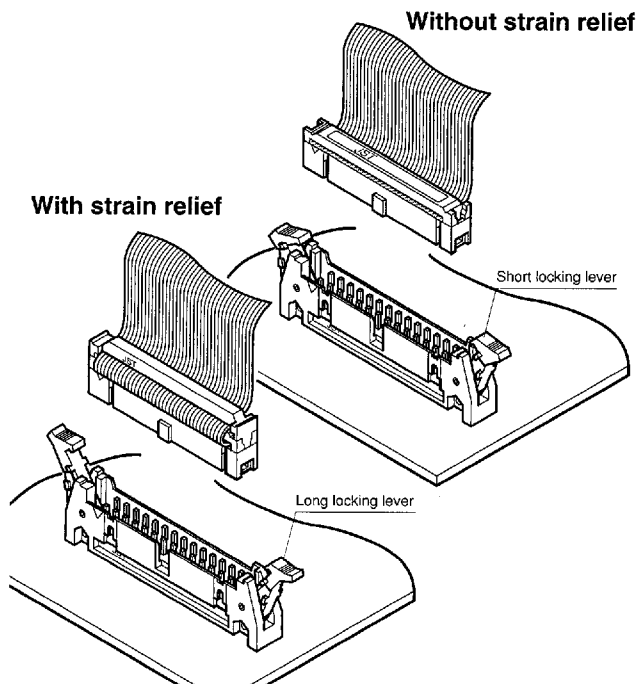


RX CONNECTOR

Disconnectable Insulation displacement connectors for 1.27mm (.050") pitch ribbon cables



Contemporary needs require that electronic equipment be high in density, modular in construction and multi-functional. In addition, the costs of such connection systems must be reduced. To meet these needs, particularly in the video and audio fields, we offer JST's highly reliable and cost-efficient RX connectors. These connectors reflect displacement connection technology as well as its advanced production techniques.



Features

• **Conforms to MIL Standards**

JST's RX connectors conform to MIL standards (MIL-C-83503) and are compatible with its RA connectors.

• **Secure locking mechanism**

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. To save space, JST has also made available short locking levers which provides a firm connection even when the receptacle has no strain relief.


• **Cost-efficient**

To reduce costs, only the mating sections of the receptacle contacts and header posts are gold-plated. JST's wealth of mass-production technology allows it to produce connectors that are extremely reliable and cost-efficient.

• **Post suited for high-density patterns**

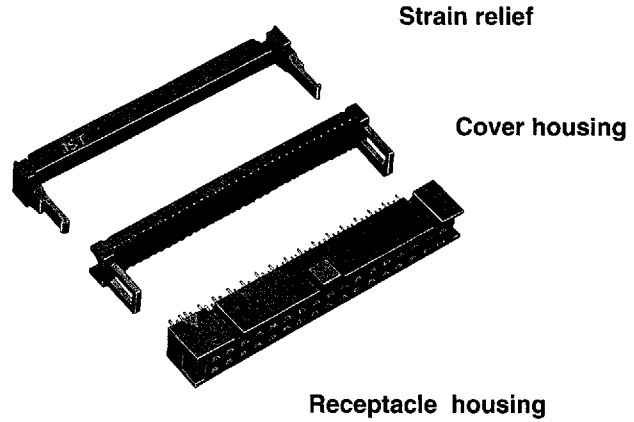
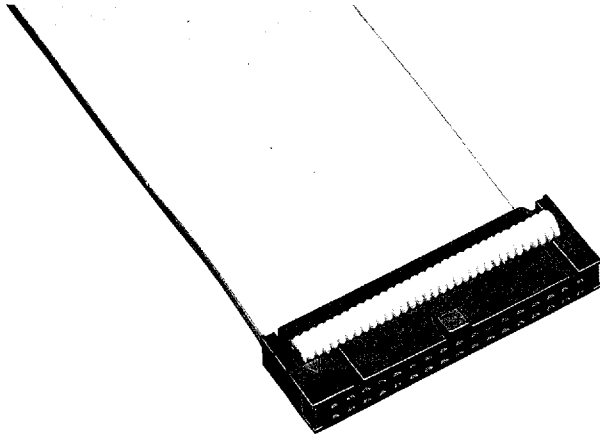
The mating section of the header post is 0.64mm (.025") square. The printed circuit board solder section of the post is 0.60mm (.024") in diameter. This small size greatly facilitates high-density design of printed circuit boards.

Standards

 Recognized file No. E60389

 Certified file No. LR20812

Receptacle



Specifications

Characteristics

Current rating	1.0A AC, DC
Voltage rating	300V AC, DC
Temperature range	(including temperature rise in applying electrical current) -55°C to +125 °C (gold-plated) -55°C to +105 °C (tin-plated)
Contact resistance	Initial value: 20mΩ max. After environmental testing: 30mΩ max.
Insulation resistance	5,000MΩ min.
Withstanding voltage	500V AC/5 seconds
Applicable wire	AWG #28, 1.27mm(.050") pitch ribbon cables

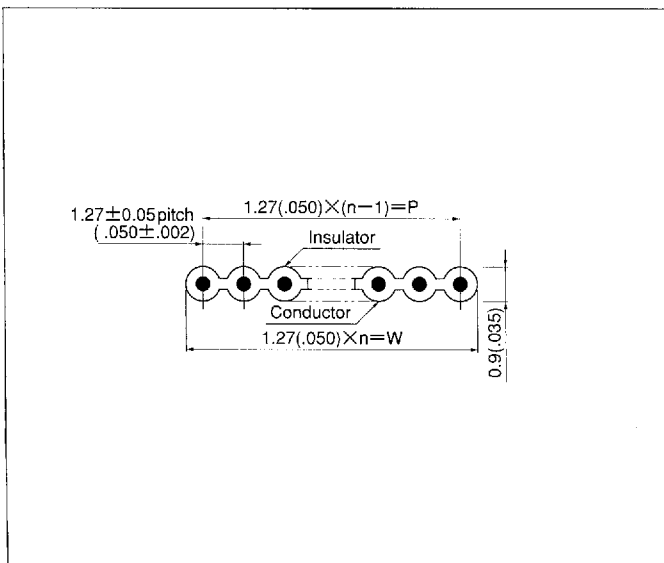
Materials

Contact	Phosphor bronze · Nickel-undercoated Mating section: Gold-plated Insulation displacement section: Tin/lead-plated · Copper-undercoated, tin/lead-plated
Receptacle housing	Glass-filled PBT, UL94V-0, black
Cover housing	Glass-filled nylon 66, UL94V-0, black
Strain relief	Glass-filled nylon 66, UL94V-0, black

*Contact JST details.

Applicable cables

Ribbon cables conforming to the following specifications can be used with RX connector receptacles. Contact JST for details.

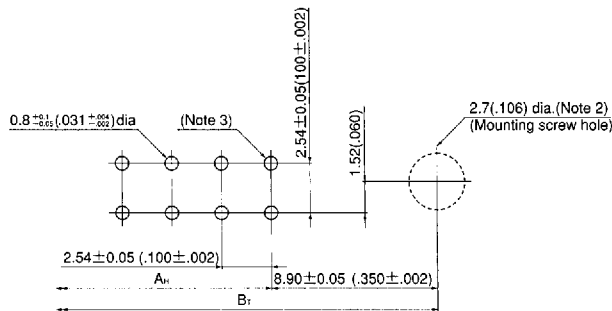


Conductor	AWG #28 stranded wire Contraction: 7/1.27mm(.005") dia. Material: Tin-plated annealed copper wire
	AWG #28 solid wire Contraction: 0.32mm(.013") dia. Material: Tin-plated annealed copper wire
Insulator	Soft vinyl chloride

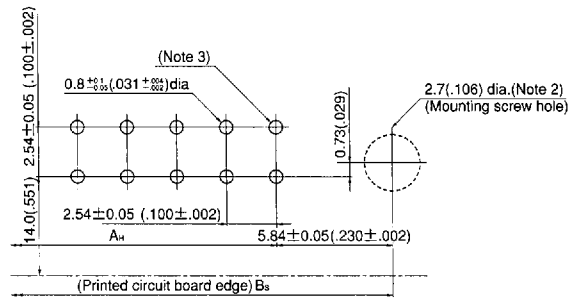
Number of conductors (n)	Dimensional tolerance mm(in.)	
	P	W
10 to 14	±0.18(±.007)	±0.3(±.012)
16 to 26	±0.28(±.011)	±0.3(±.012)
34 to 60	±0.38(±.015)	±0.3(±.012)

PC board layout (viewed from component side)

Top entry type



Side entry type



Circuits	Dimensions mm(in.)		
	A _H	B _T	B _S
20	22.86(.900)	40.66(1.601)	34.54(1.360)
34	40.64(1.600)	58.44(2.301)	52.32(2.060)
40	48.26(1.900)	66.06(2.601)	59.94(2.360)
50	60.96(2.400)	78.76(3.101)	72.64(2.860)
60	73.66(2.900)	91.46(3.601)	85.34(3.360)

Note:

1. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ for all centers. 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.
2. The mounting screw holes are required for mounting headers on printed circuit boards but are not required for standard header.
3. This is normally the No. 1 circuit position.