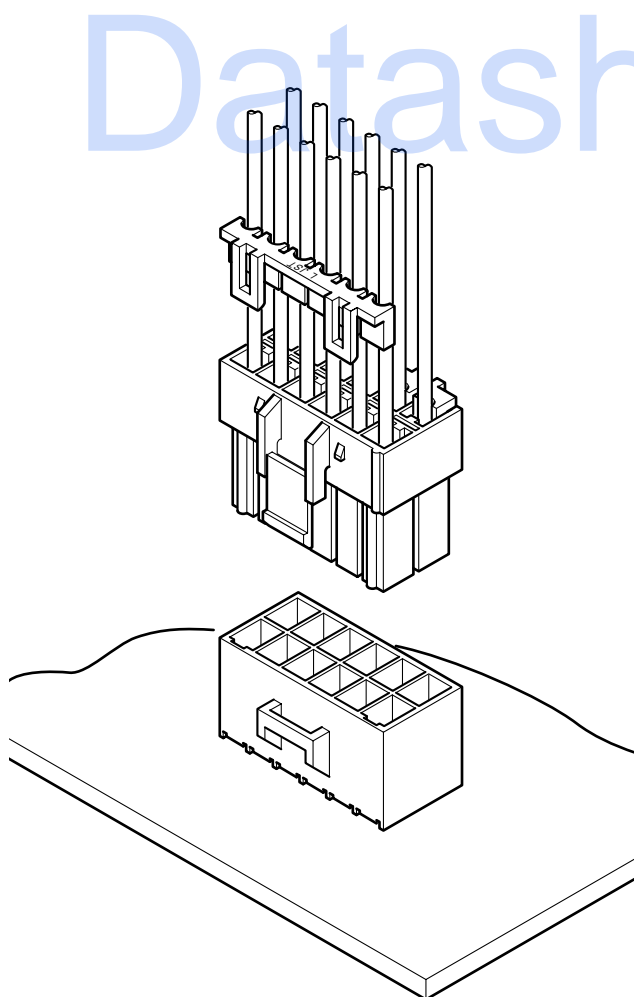
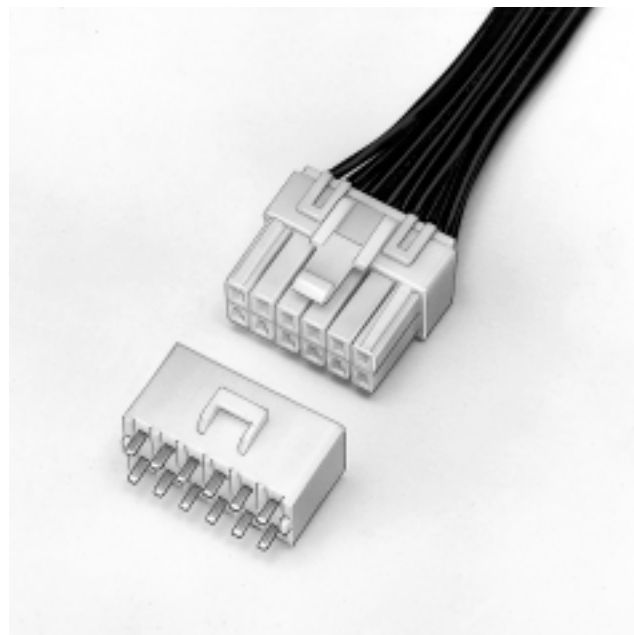


HL CONNECTOR

Disconnectable Crimp style connectors



Features

• Housing lances for contact retention

Since the contact retention lances are part of the housing rather than protruding from the contact, they cannot be damaged by handling. They allow the contact to be easily inserted and securely locked into the housing.

• Secondary retainer

The secondary retainer is optionally available. This retainer ensures that the contacts are fully seated and locked in the housing and prevents their accidental release. Installed after the contacts are inserted, the secondary retainer locks and secures the contacts.

• Inter-housing lock

The inter-housing lock secures the plug to the receptacle and prevents accidental disconnection. The lock is protected and is not affected by external forces that might result from the routing of wires during assembly.

• Two kinds of connections

The HL connectors can be used for wire-to-wire or wire-to-board connections.

• Low insertion force contact

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

Specifications

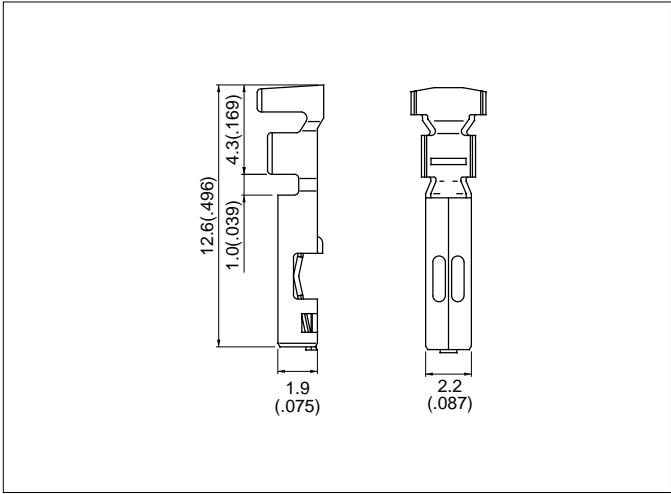
- Current rating: 7A AC, DC (AWG#18)
- Voltage rating: 300V AC, DC
- Temperature range: -25°C to +90°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/7m Ω max.
After environmental testing/10m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #22 to #18
Insulation O.D/1.5 to 2.2mm(.059" to .087")

*Contact JST for details.

Standards

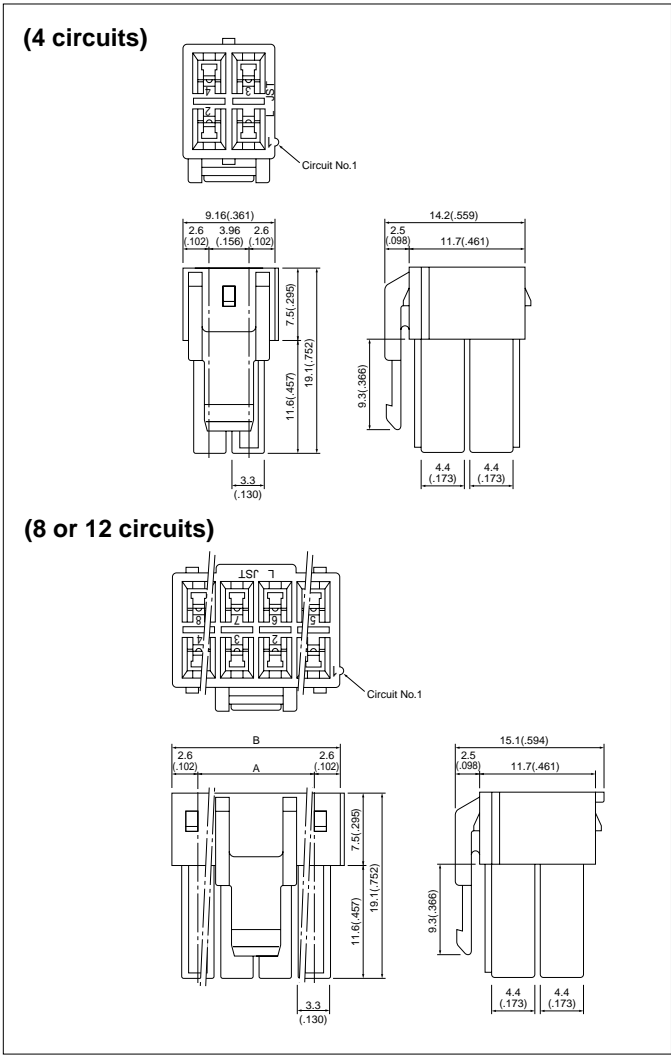
- Recognized E60389
- 1 Certified LR20812
- 2 R9551072

Contact



Model No.	Applicable wire			Q'ty / reel
	mm²	AWG #	Insulation O.D. mm(in.)	
SSF-21T-P1.4	0.3 to 0.75	22 to 18	1.5 to 2.2(.059 to .087)	6,000
Material and Finish				
Phosphor bronze, tin-plated				

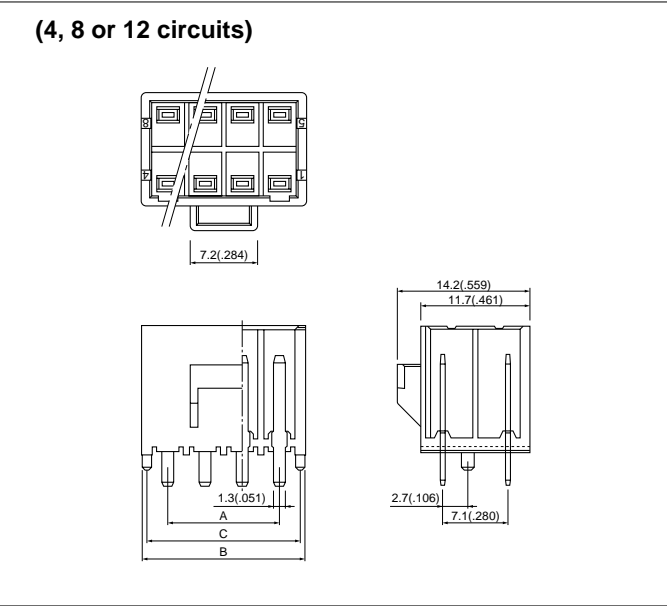
Housing



Circuits	Model No.	Dimensions mm(in.)		Q'ty / bag
		A	B	
4	HLP-04V	—	—	500
8	HLP-08V	11.88(.468)	17.08(.672)	500
12	HLP-12V	19.8 (.780)	25.0(.984)	200
Material				
Nylon 66, UL94V-0, natural (white)				

HL CONNECTOR

Locking header

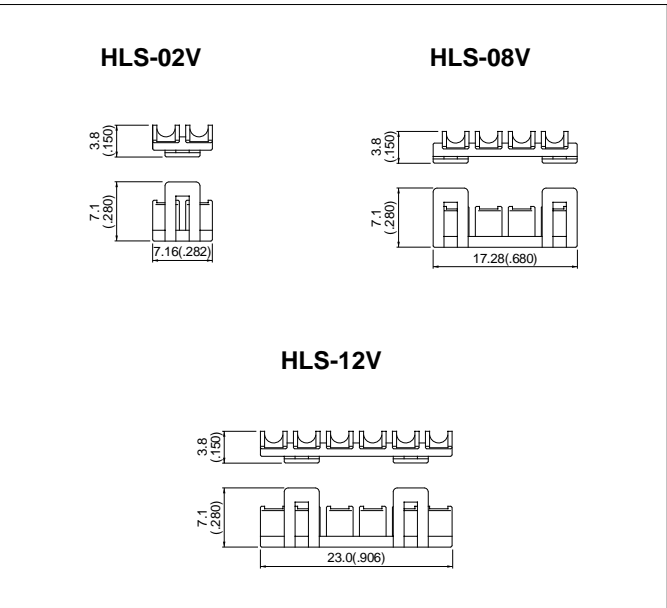


Cir- cuits	Model No.	Dimensions mm(in.)			Q'ty / box
		A	B	C	
4	B04P-HL-A	3.96(.156)	9.56(.376)	8.46(.333)	200
8	B08P-HL-A	11.88(.468)	17.48(.688)	16.38(.645)	100
12	B12P-HL-A	19.80(.780)	25.40(1.000)	24.30(.957)	50

Material and Finish

Post: Brass, tin/lead-plated
Wafer: Nylon 66, UL94V-0, natural (white)

Retainer

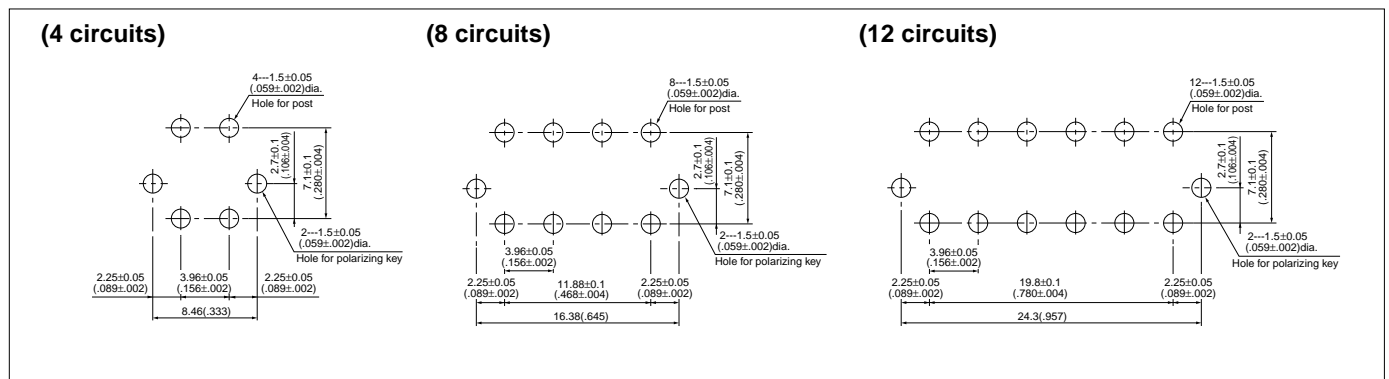


Applicable Housing Model No.	Retainer Model No.	Q'ty / bag
HLP-04V	HLS-02V	1,000
HLP-08V	HLS-08V	1,000
HLP-12V	HLS-12V	1,000

Material

Glass-filled nylon 66, UL94V-0, natural (ivory)

PC board layout (viewed from component side)



Note:

1. Tolerances are non-cumulative: $\pm 0.05\text{mm}(\pm .002")$ 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.

Contact position location numbers

