

SHL CONNECTOR

Disconnectable Crimp style connectors



Features

• Thin design

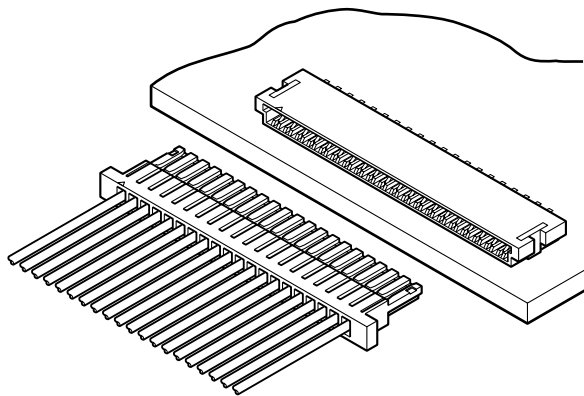
The height after mounting on the PC board is only 1.8mm (.071") for normal type, and 1.4mm (.055") for off-set type.

• Low insertion force

The contact has a clear click feeling. Spring action and unique design of the contact makes contact insertion into housing easy, and contact pressure is retained after repeated mating/unmating.

• Deformation preventive design

The contact has a deformation preventive configuration, which, in spite of the very thin design of the connector, is resistant to distortion.



Specifications

- Current rating: 1.0A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/20m Ω max.
After environmental testing/40m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 500V AC/minute
- Applicable wire: AWG #32 to #28
- * 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.

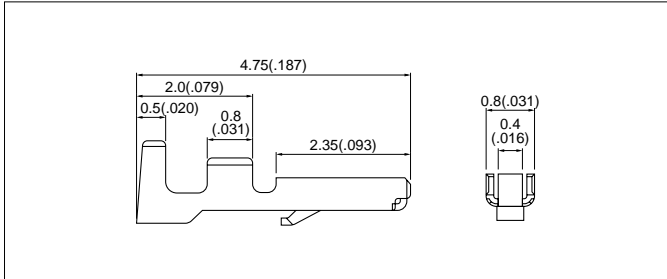
Standards

Ⓡ Recognized E60389

Ⓢ Certified LR20812

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Contact

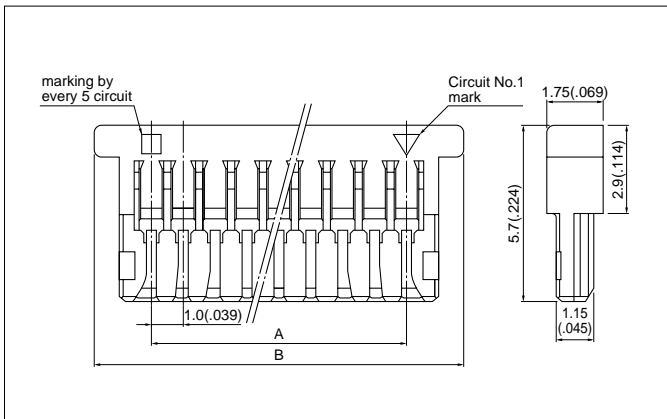


Model No.	Applicable wire			Q'ty / reel
	mm ²	AWG#	Insulation O.D. mm(in.)	
SSHL-003T-P0.2	0.032 to 0.08	32 to 28	0.4 to 0.8(.016 to .031)	30,000

Material and Finish
Phosphor bronze, tin-plated

Note: Contact JST for gold-plated contacts.

Housing

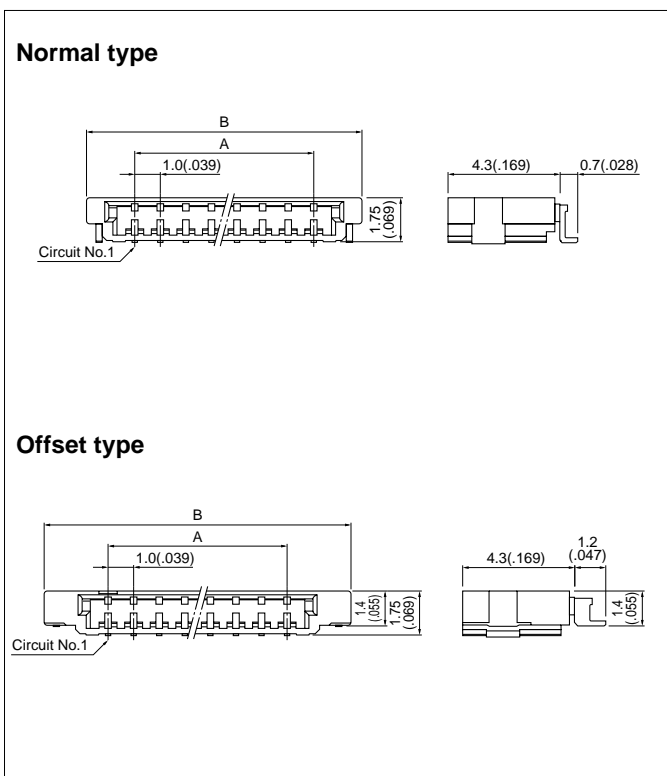


Circuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
2	SHLP-02V-S-B	1.0(.039)	4.6(.181)	6,000
6	SHLP-06V-S-B	5.0(.197)	8.6(.339)	3,000
7	SHLP-07V-S-B	6.0(.236)	9.6(.378)	3,000
14	SHLP-14V-S-B	13.0(.512)	16.6(.654)	1,000
16	SHLP-16V-S-B	15.0(.591)	18.6(.732)	1,000
20	SHLP-20V-S-B	19.0(.748)	22.6(.890)	1,000
22	SHLP-22V-S-B	21.0(.827)	24.6(.969)	1,000
26	SHLP-26V-S-B	25.0(.984)	28.6(1.126)	1,000
30	SHLP-30V-S-B	29.0(1.142)	32.6(1.283)	1,000

Material
PBT, UL94V-0, natural (white)

Note: SHLP-22V-S-B, SHLP-26V-S-B and SHLP-30V-S-B are not CSA approved.

Shrouded header



Normal type

Circuits	Model No.	Insulation O.D. mm(in.)		Q'ty / reel
		A	B	
2	SM02B-SHLS-TF	1.0(.039)	4.8(.189)	4,500
6	SM06B-SHLS-TF	5.0(.197)	8.8(.346)	4,500
7	SM07B-SHLS-TF	6.0(.236)	9.8(.386)	4,500
16	SM16B-SHLS-TF	15.0(.591)	18.8(.740)	4,500
20	SM20B-SHLS-TF	19.0(.748)	22.8(.898)	4,500
22	SM22B-SHLS-TF	21.0(.827)	24.8(.976)	4,500
26	SM26B-SHLS-TF	25.0(.984)	28.8(1.134)	4,500
30	SM30B-SHLS-TF	29.0(1.142)	32.8(1.291)	4,500

Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated
Housing: Modified 6T polyamide, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin/lead-plated

Note: 1. Contact JST for the headers with gold-plated pins.
2. SM22B-SHLS-TF, SM26B-SHLS-TF and SM30B-SHLS-TF are not CSA approved.

Offset type

Circuits	Model No.	Insulation O.D. mm(in.)		Q'ty / reel
		A	B	
14	SM14B-SHLS-1-TF	13.0(.512)	18.0(.709)	4,500
20	SM20B-SHLS-1-TF	19.0(.748)	24.0(.945)	4,500

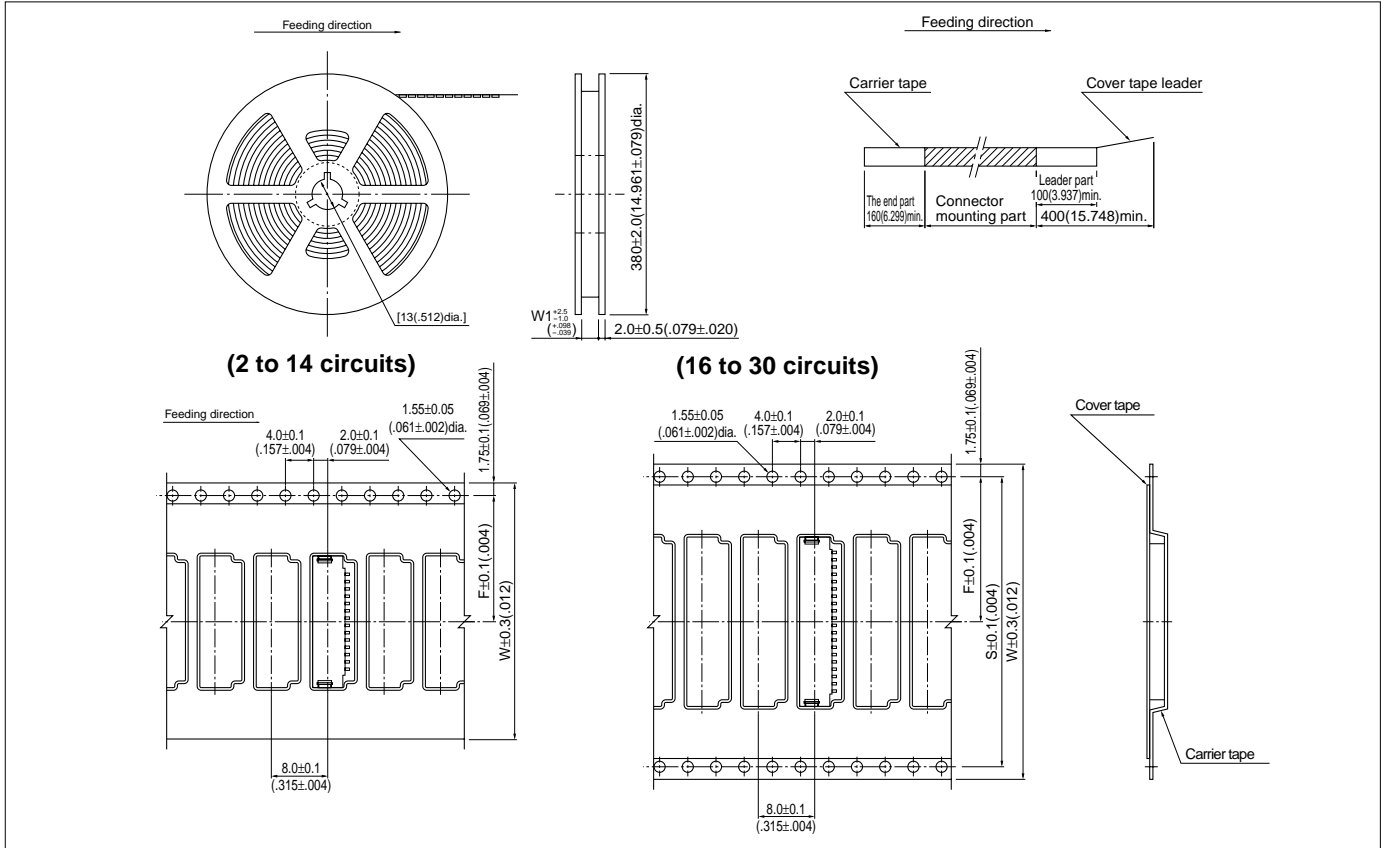
Material and Finish

Contact: Phosphor bronze, copper-undercoated, tin/lead-plated
Housing: Modified 6T polyamide, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin/lead-plated

Note: Contact JST for the headers with gold-plated pins.

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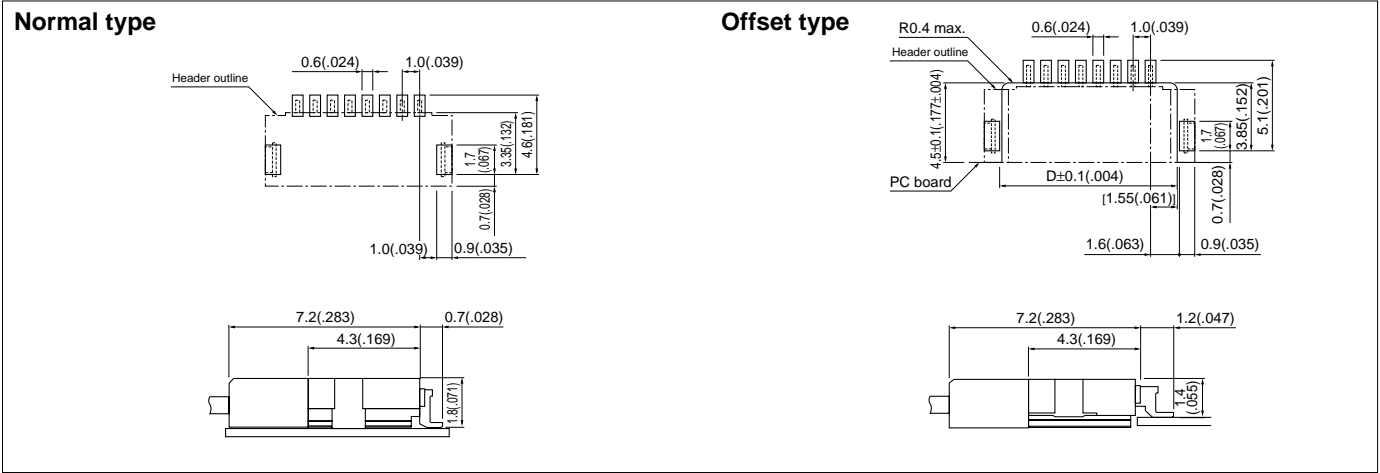
Taping specifications



Circuits	Dimensions mm(in.)			Reel dimensions mm(in.)		Qty / reel
	F	S	W	W1		
2	5.5(.217)	—	12.0(.472)	13.5(.531)		4,500
6	7.5(.295)	—	16.0(.630)	17.5(.689)		4,500
7 to 14	11.5(.453)	—	24.0(.945)	25.5(1.004)		4,500
16	14.2(.559)	28.4(1.118)	32.0(1.260)	33.5(1.319)		4,500
20 to 30	20.2(.795)	40.4(1.591)	44.0(1.732)	45.5(1.791)		4,500

Note: 1. Specifications conform to JIS C 0806. The tape width, connector loading recess square hole dimensions, etc. are determined by the number of circuits and external shape of the connector to be loaded.
 2. Specifications are subject to change without prior notice.

PC board layout (viewed from component side) and Assembly layout



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ ($\pm .002''$) for all centers.
 2. 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-10-3		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
SSHL-003T-P0.2	APLMK SSH/L003-02	APLNC SSH/L003-02	-	-	-