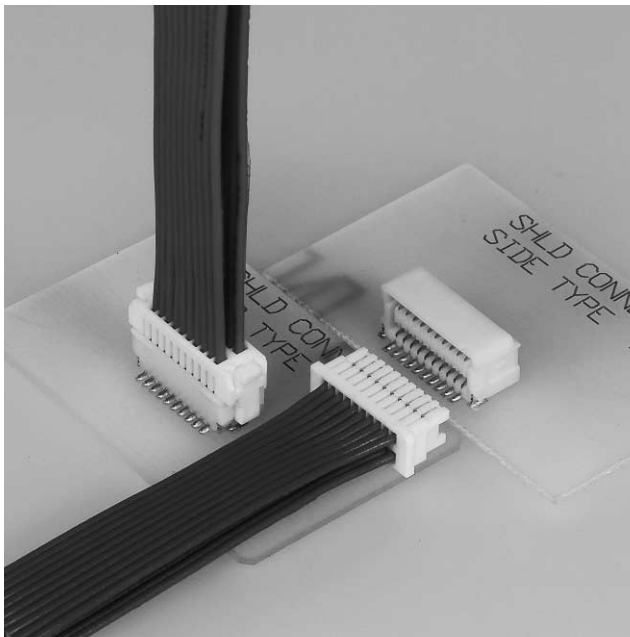


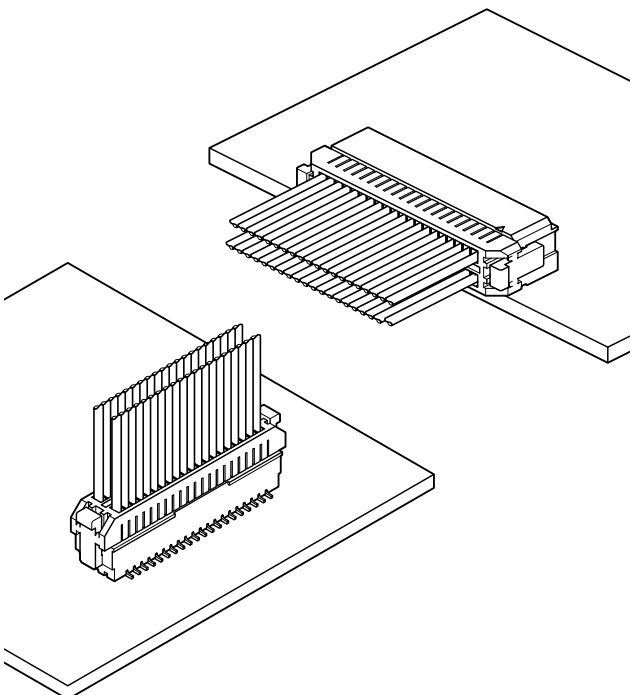
SHLD CONNECTOR



Disconnectable Crimp style connectors



Developed for PDP, LCD or small electronics equipment. This is a dual-row small crimp type connector with a secure locking system or without-designed for different applications. The PC board layout is compatible with that of existing SHD/SRD connectors, which allows for replacement of the above existing connectors.



Features

- **Secure housing lock structure (for locking type)**

Innovative designs of the arm and lock device achieve a secure locking structure, which also realizes a space saving feature. In order to realize more space saving, housing without secure locking system is also available.

- **Prevent deformation of contacts**

The spring property of the header housing and pin-shaped contacts prevent deformation during harness manufacturing.

- **A contact lock structure**

A contact lock provides a good "click feeling" when mated (even without a housing lock), which prevents improper mating during assembly.

- **Strong structure against external force**

Thicker housing walls of the header prevent deformation.

Specifications

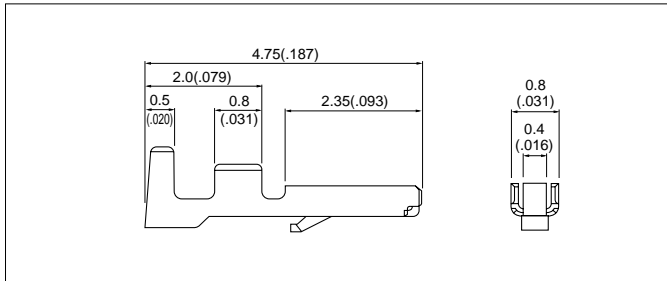
- Current rating: 1.0A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m Ω max.
After environmental testing/40m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 500V AC/minute
- * 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

SHLD CONNECTOR

Contact

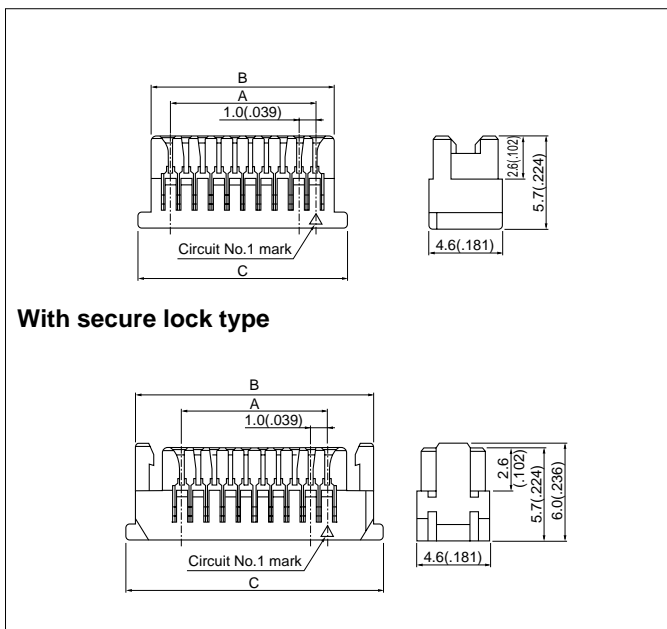


Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty / reel
	mm ²	AWG#		
SSHL-003GA1-P0.2	0.032 to 0.08	32 to 28	0.4 to 0.8(.016 to .031)	30,000

Material and Finish

Phosphor bronze, nickel-undercoated, selective gold-plated

Housing



Circuits	Model No.	Dimensions mm(in.)			Q'ty / bag
		A	B	C	
20	SHLDP-20V-S	9.0(.354)	11.4(.449)	13.0(.512)	3,500
30	SHLDP-30V-S	14.0(.551)	16.4(.646)	18.0(.709)	2,500
40	SHLDP-40V-S	19.0(.748)	21.4(.843)	23.0(.906)	2,000

Material

PBT, UL94V-0, natural

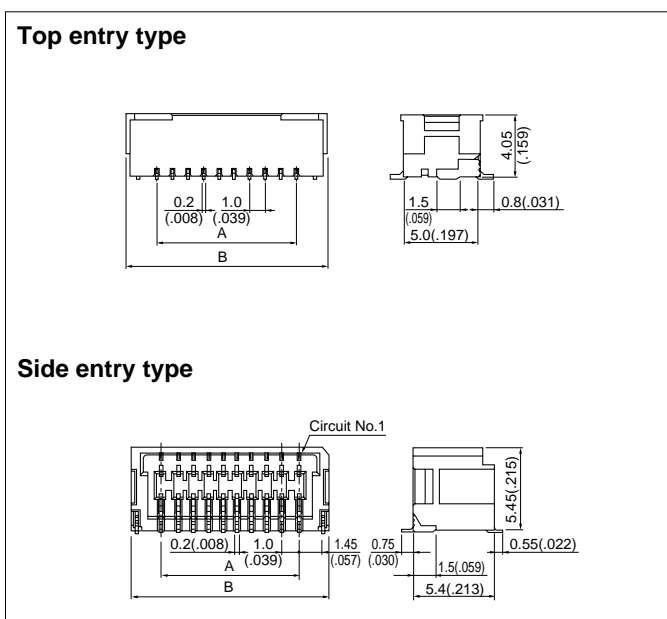
With secure lock type

Circuits	Model No.	Dimensions mm(in.)			Q'ty / bag
		A	B	C	
20	SHLDP-20V-S-1	9.0(.354)	14.7(.579)	15.7(.618)	3,500
30	SHLDP-30V-S-1	14.0(.551)	19.7(.776)	20.7(.815)	2,000

Material

PBT, UL94V-0, natural

Shrouded header



Circuits	Model No.	Dimensions mm(in.)		Q'ty / reel
		A	B	
20	BM20B-SHLDS-G-TFT	9.0(.354)	13.0(.512)	1,000
30	BM30B-SHLDS-G-TFT	14.0(.551)	18.0(.709)	1,000
40	BM40B-SHLDS-G-TFT	19.0(.748)	23.0(.906)	1,000

Circuits	Model No.	Dimensions mm(in.)		Q'ty / reel
		A	B	
20	SM20B-SHLDS-G-TF	9.0(.354)	13.0(.512)	1,000
30	SM30B-SHLDS-G-TF	14.0(.551)	18.0(.709)	1,000
40	SM40B-SHLDS-G-TF	19.0(.748)	23.0(.906)	1,000

Material and Finish

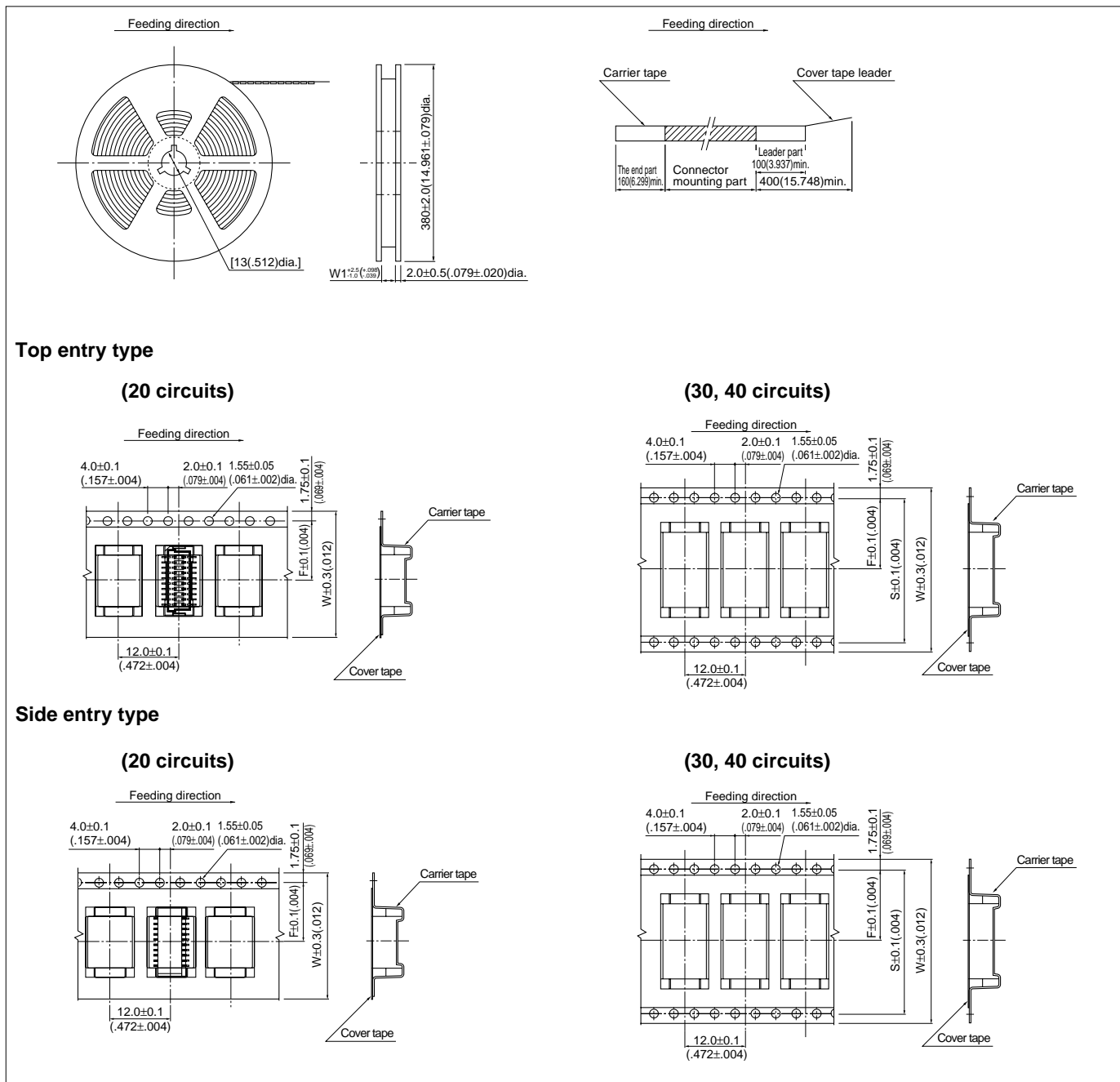
Contact: Phosphor bronze, nickel-undercoated, gold-plated

Wafer: Polyamide, UL94V-0, natural

Solder tab: Brass, copper-undercoated, tin-plated

SHLD CONNECTOR

Taping specifications

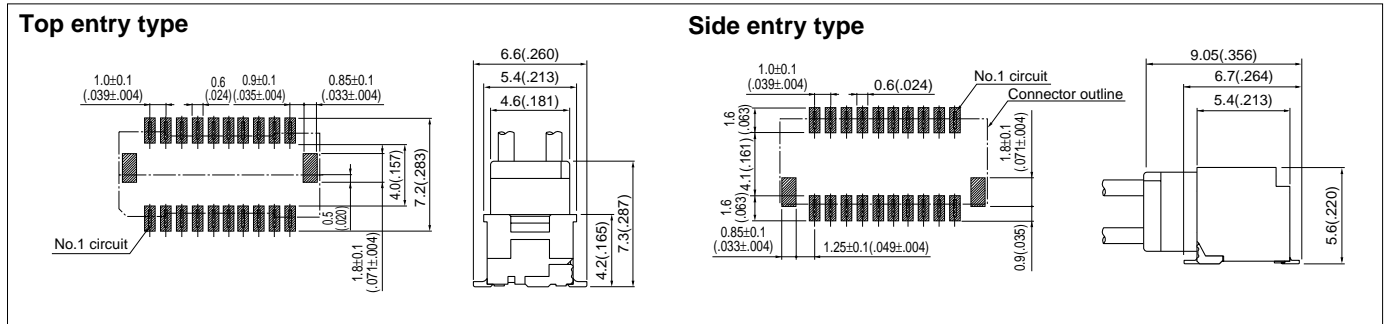


Circuits	Dimensions mm(in.)						Reel dimensions mm(in.)		Q'ty / reel	
	F		S		W		W1		Q'ty / reel	
	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type	Top entry type	Side entry type
20	11.5(.453)	11.5(.453)	—	—	24.0(.945)	24.0(.945)	25.5(1.004)	25.5(1.004)	1,000	1,000
30	14.2(.559)	14.2(.559)	28.4(1.118)	28.4(1.118)	32.0(1.260)	32.0(1.260)	33.5(1.319)	33.5(1.319)	1,000	1,000
40	20.2(.795)	20.2(.795)	40.4(1.591)	40.4(1.591)	44.0(1.732)	44.0(1.732)	45.5(1.791)	45.5(1.791)	1,000	1,000

- Note:
- 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.
 - Specifications are subject to change without prior notice.

SHLD CONNECTOR

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



Note:

1. Tolerances are non-cumulative: $\pm 0.1\text{mm}$ ($\pm .004''$) 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
SSH-003GA1-P0.2	APLMK SSH/L003-02	APLNC SSH/L003-02	—	—	APLSC SSH/L003-02