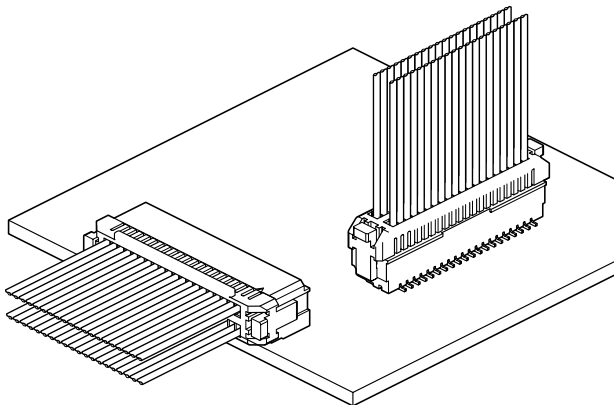


SHLD CONNECTOR

1.0mm pitch/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 connector, which allows for replacement of the above existing connector.

- Secure housing lock structure (for locking type)
- Prevent deformation of contacts
- A contact lock structure
- Strong structure against external force

Specifications

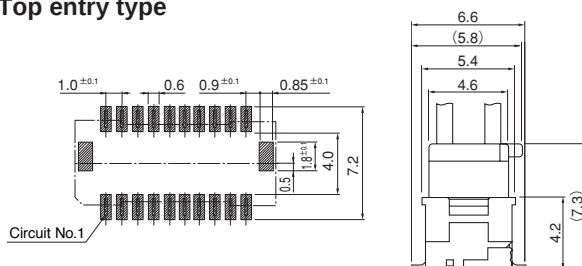
- Current rating: 1.0A AC, DC (AWG #28)
- Voltage rating: 50V AC, DC
- Temperature range: -25°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/30m Ω max.
After environmental testing/40m Ω max.
- Insulation resistance: 100M Ω min.
- Withstanding voltage: 500V AC/minute
- * RoHS compliant products are published.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.

Standards

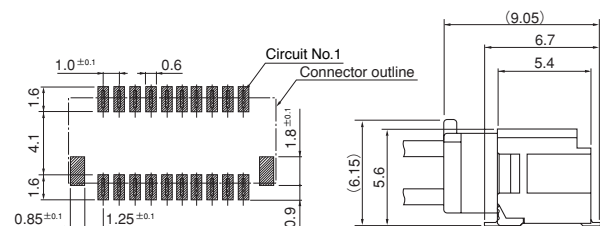
Recognized E60389

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

Top entry type

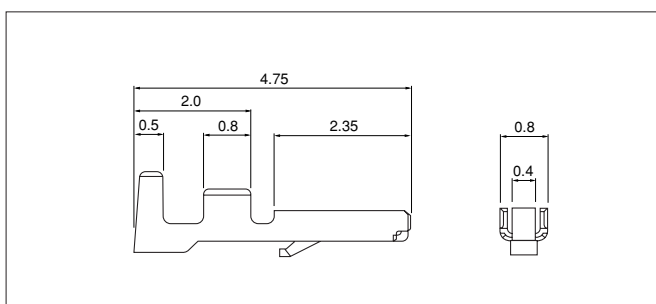


Side entry type



Note: 1. Tolerances are non-cumulative: ± 0.1 mm for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

Contact



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

Material and Finish

Phosphor bronze, nickel-undercoated, Mating part; gold-plated, Crimping part; gold-plated

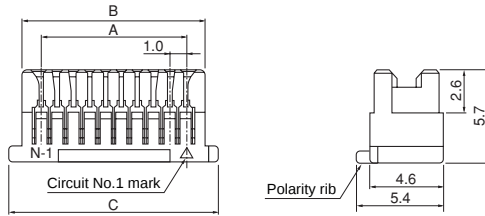
RoHS compliance

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SSH-003GA1-P0.2	AP-K2N	MKS-L-10-3	MK/SSH/L-003-02	APLMK SSH/L003-02
		*MKS-SC	SC/SSH/L-003-02	APLSC SSH/L003-02

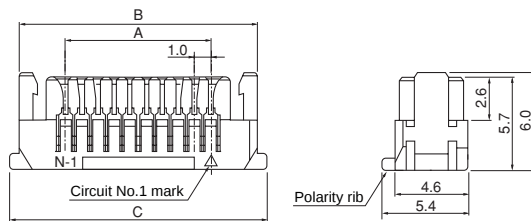
Note: *Strip-crimp applicator
Contact JST for applicable wires in case that it is not usable due to wire size.

SHLD CONNECTOR

Housing



With secure lock type



Circuits	Model No.	Dimensions (mm)			Q'ty / bag
		A	B	C	
20	SHLDP-20V-S(B)	9.0	11.4	13.0	3,500
30	SHLDP-30V-S(B)	14.0	16.4	18.0	2,500
40	SHLDP-40V-S(B)	19.0	21.4	23.0	2,000
50	SHLDP-50V-S(B)	24.0	26.4	28.0	1,500

Material

PBT, UL94V-0, natural (white)

RoHS compliance

With secure lock type

Circuits	Model No.	Dimensions (mm)			Q'ty / bag
		A	B	C	
20	SHLDP-20V-S-1(B)	9.0	14.7	15.7	3,000
30	SHLDP-30V-S-1(B)	14.0	19.7	20.7	2,000
40	SHLDP-40V-S-1(B)	19.0	24.7	25.7	1,500
50	SHLDP-50V-S-1(B)	24.0	29.7	30.7	1,200

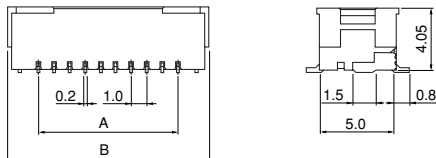
Material

PBT, UL94V-0, natural (white)

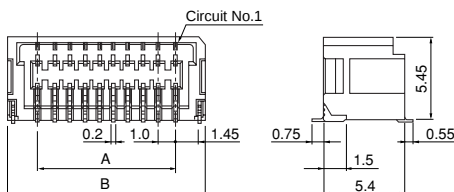
RoHS compliance

Shrouded header

Top entry type



Side entry type



Circuits	Model No.		Dimensions (mm)		Q'ty / reel
	Top entry type	Side entry type	A	B	
20	BM20B-SHLDS-G-TFT	SM20B-SHLDS-G-TF	9.0	13.0	1,000
30	BM30B-SHLDS-G-TFT	SM30B-SHLDS-G-TF	14.0	18.0	1,000
40	BM40B-SHLDS-G-TFT	SM40B-SHLDS-G-TF	19.0	23.0	1,000
50	BM50B-SHLDS-G-TFT	SM50B-SHLDS-G-TF	24.0	28.0	1,000

Material and Finish

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

Wafer: PA, UL94V-0, natural (ivory)

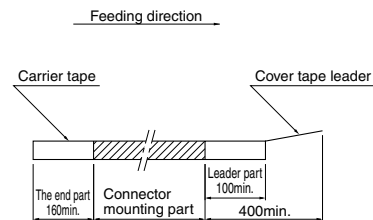
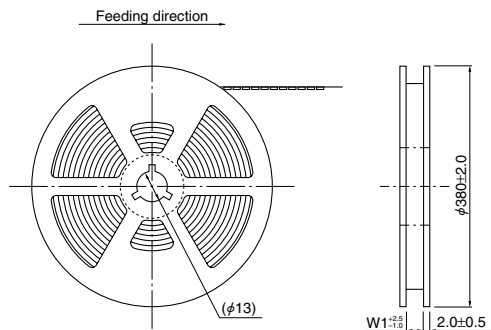
Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS compliance

This product displays (LF)(SN) on a label.

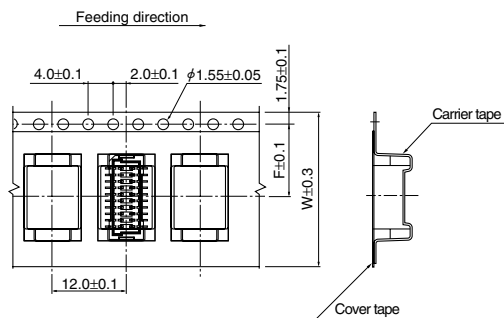
SHLD CONNECTOR

Taping specifications

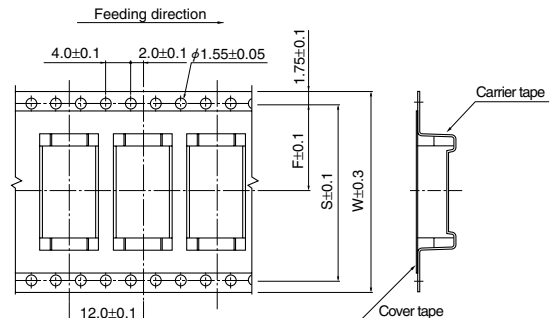


Top entry type

(20 circuits)

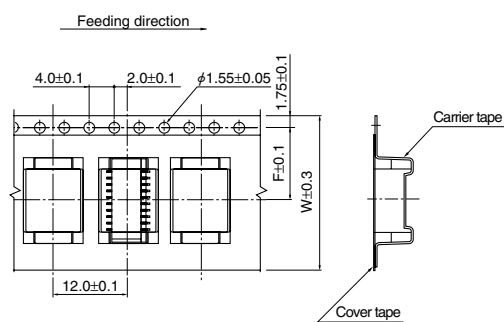


(30 to 50 circuits)

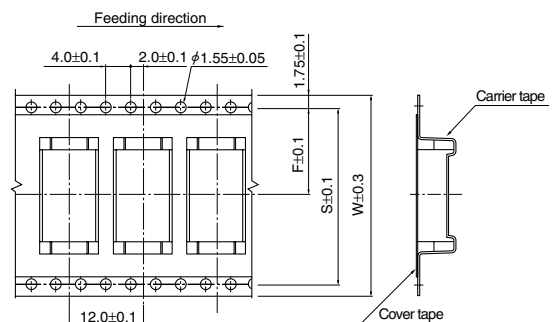


Side entry type

(20 circuits)



(30 to 50 circuits)



Circuits	Dimensions (mm)						Reel dimensions (mm)		Q'ty / reel	
	F		S		W		W1			
	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	11.5	—	—	24.0	24.0	25.5	25.5	1,000	1,000
30	14.2	14.2	28.4	28.4	32.0	32.0	33.5	33.5	1,000	1,000
40, 50	20.2	20.2	40.4	40.4	44.0	44.0	45.5	45.5	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.