





1.0 mm pitch/Disconnectable Crimp style connectors

The SHD connector is compact with a mounting height of 6.3 mm for top entry type and 5.5 mm for side entry type, and a width of 5.0 mm for top entry type and 5.1 mm for side entry type.

- Compact, low profile design
- Anti-misinsertion feature
- Receptacles with protrusions
- Header designed for vacuum pick and place robotics

Specifications —

- Current rating: 1.0 A AC/DC (AWG #28)
- Voltage rating: 50 V AC/DC
- Temperature range: -25℃ to +85℃
 - (including temperature rise in applying electrical current)
- Contact resistance: Initial value/ 20 m Ω max. After environmental tests/ 40 m Ω max.
- Insulation resistance: 100 M Ω min.
- Withstanding voltage: 500 VAC/minute
- Applicable wire: Conductor size/ AWG #32 to #28
 Insulation O.D./ 0.4 to 0.8 mm
- * In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- * RoHS2 compliance
- * Dimensional unit: mm
- * Contact JST for details.

Standards -

- N° Recognized E60389
- GP Certified LR20812



Note: 1. The above figure is the figure viewed from the connector mounting side.
2. Tolerances are non-cumulative: ± 0.05 mm for all centers.
3. The dimensions above should serve as a guideline. Contact JST for details.

Contact

φ0.55

Circuit No.



1±0.1

Model No.	Applicable wire				
Model No.	mm ²	AWG #	Insulation O.D. (mm)	reel	
SSH-003GA-P0.2	3GA-P0.2 0.032~0.08 32~28 0.4~0.8				
	Materia	I and Finish			

RoHS2 compliance

Note: Contact JST for tin-plated products.

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

Note: Contact JST for fully automatic crimping applicator.

SHD CONNECTOR

Housing



No. of		Di	nm)	O' thu //h and		
circuits	Model No.	А	В	С	Q'ty/box	
20	SHDR-20V-S-B	9.0	11.2	13.0	4,000	
30	SHDR-30V-S-B	14.0	16.2	18.0	4,000	
40	SHDR-40V-S-B	19.0	21.2	23.0	2,000	
50	SHDR-50V-S-B	24.0	26.2	28.0	2,000	
		Material a	nd Finish			
	PI	BT, UL94V-0, i	natural (white))		

RoHS2 compliance

Header



Side entry type





Model No.	Dimensio	ns (mm)	Q'ty/reel	
Top entry type	A	В	Q ty/reer	
BM20B-SRDS-G-TF	9.0	12.3	1,500	
BM30B-SRDS-G-TF	14.0	17.3	1,500	
BM40B-SRDS-G-TF	19.0	22.3	1,500	
BM50B-SRDS-G-TF	24.0	27.3	1,500	
	Top entry type BM20B-SRDS-G-TF BM30B-SRDS-G-TF BM40B-SRDS-G-TF	Top entry typeABM20B-SRDS-G-TF9.0BM30B-SRDS-G-TF14.0BM40B-SRDS-G-TF19.0	Top entry type A B BM20B-SRDS-G-TF 9.0 12.3 BM30B-SRDS-G-TF 14.0 17.3 BM40B-SRDS-G-TF 19.0 22.3	

No. of			ons (mm)	0'+ (*****	
circuits	Side entry type	A	В	Q'ty/reel	
20	SM20B-SRDS-G-TF	9.0	13.1	1,250	
30	SM30B-SRDS-G-TF	14.0	18.1	1,250	
40	SM40B-SRDS-G-TF	19.0	23.1	1,250	
50	SM50B-SRDS-G-TF	24.0	28.1	1,250	

Material and Finish

Header contact: Phosphor bronze, nickel-undercoated, gold-plated Wafer: PA, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label. Note: 1. The products listed above are supplied on embossed-tape. 2. Contact JST for the headers with tin-plated pins.

3. Contact JST for the top entry type headers with suction cap.

No. of		Dimensio	ons (mm)		
circuits	Model No.	Α	В	Q'ty/reel	
20	BM20B-SRDS-A-G-TF	9.0	12.3	1,250	
30	BM30B-SRDS-A-G-TF	14.0	17.3	1,250	
40	BM40B-SRDS-A-G-TF	19.0	22.3	1,250	
50	BM50B-SRDS-A-G-TF	24.0	27.3	1,250	

Material and Finish

Header contact: Phosphor bronze, nickel-undercoated, gold-plated Wafer: PA, UL94V-0, natural (ivory) Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label. Note: 1. The products listed above are supplied on embossed-tape. 2. Contact JST for the headers with tin-plated pins.

SHD CONNECTOR

Model number allocation

Contact

	SS	<u>S SH- 003 GA-P 0.2</u>					
Form: S···Strip form							
Series name							
Applicable wire range: AWG #32 to #28							
Surface finish: GA···Nickel-undercoated sele	ective gold-p	lated					
Material: P…Phosphor bronze							
Terminal size							

Header

	BM 20	B	-SRI	<u>s</u>	-	 -TF
Shape of assembled product:						
BM····SMT Top entry type						
SM····SMT Side entry type						
No. of circuits: Top entry type…20, 30, 4	0, 50					
Side entry type…20, 30, 4	40, 50					
Part name: Header						
Series name						
Color: S…Natural (Ivory)						
With/Without boss: None: Without boss,	A…With b	oss				
Surface finish: GNickel-undercoated go	old-plated					
None…Copper-undercoate	ed tin-plate	ed (r	eflow t	reatr	nent)	
Packaging style: TF…Embossed-taping						
Suction cap: NoneWithout suction cap	, C…With	suct	ion car)		

Housing

Г

-	