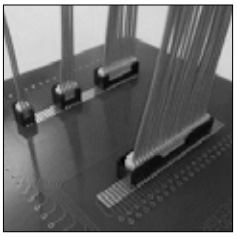
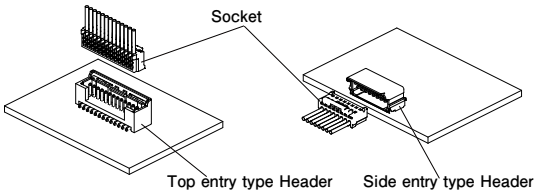


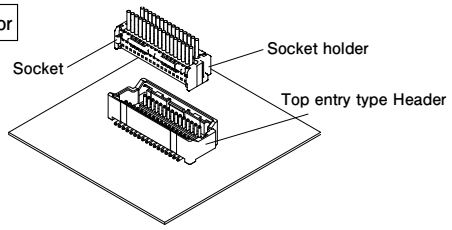
GX Family series
GX・GXW CONNECTORS

1.25 mm pitch/Wire-to-Board connectors/ IDC style (Insulation displacement connector) and Mating style

GX connector



GXW connector



- Compact 1.25 mm pitch connector compatible with AWG #26 (UL10272/11079)
- SMT type with unique header design that avoids having to use suction tape in automatic pick & place assembly.
- Low-insertion force contacts that allows ease of operation during the mating process.
- Unique internal friction lock design that produces enhanced audible click sound upon mating to prevent incomplete insertion.

GX connector

- Low insertion force
- Unique internal friction lock design
- SMT

GXW connector

- Keying feature to prevent mis-mating
- Features same lock design as the GX connector

■ Specifications

	GX connector	GXW connector
Current rating	2 A (AWG #26)	1.5 A (AWG #26)
Voltage rating	50 V AC/DC	
Temperature range	−25℃ to +85℃ (Including temperature rise in applying electrical current)	
Contact resistance	Initial value/10 mΩ max.	
	After tests/30 mΩ max.	
Insulation resistance	500 MΩ min.	
Withstanding voltage	There shall be no breakdown or flashover while applying 500 VAC for one minute.	
Applicable wire range	UL10272, UL11079 Conductor size/ AWG#26, #28 Insulation O.D./ ϕ 0.75 to ϕ 0.83 Core wire composition/Annealed copper 7 stranded wire with tin-coating	

* Please refer to the "Handling Precautions for Terminals and Connectors" on our website (listed in the “Technical Documents” column on the Product Information page) before use.
* RoHS2 compliance
* Dimensional unit : mm
* Contact JST for details.

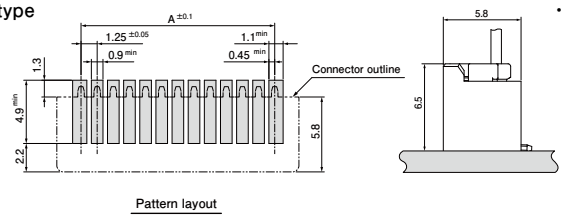
■ Standards

For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the “Technical Documents” column on the Product Information page).
※The general specifications mentioned above are defined in the product specifications for this series. Please note that registered standards may differ.

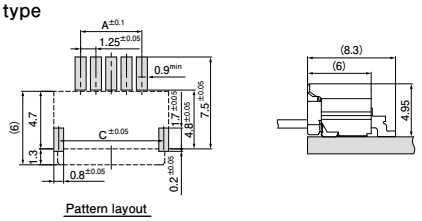
PC board layout and Assembly layout

【GX connecter】

・Top entry type

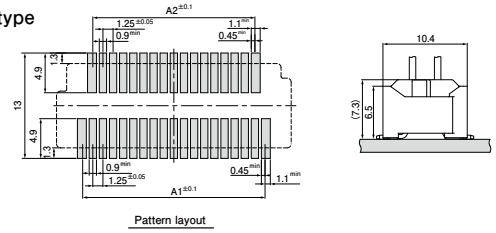


・Side entry type



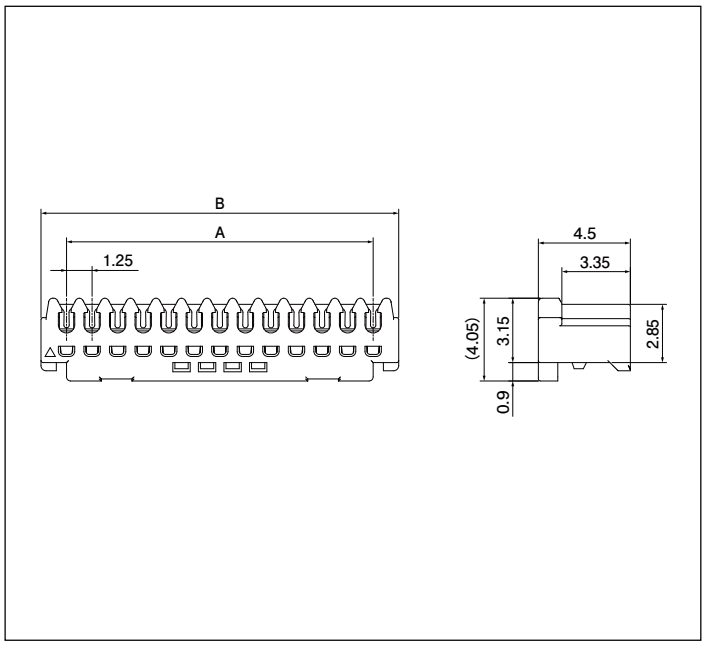
【GXW connecter】

・Top entry type



JST

GX connector Socket



No. of circuits	Model No.	Dimensions (mm)		Q'ty/box
		A	B	
2	**02GX-6S**	1.25	3.75	2,000
3	**03GX-6S**	2.50	5.00	2,000
4	**04GX-6S**	3.75	6.25	1,000
5	**05GX-6S**	5.00	7.50	1,000
6	**06GX-6S**	6.25	8.75	1,000
7	**07GX-6S**	7.50	10.00	800
8	**08GX-6S**	8.75	11.25	800
9	**09GX-6S**	10.00	12.50	700
11	**11GX-6S**	12.50	15.00	500
13	**13GX-6S**	15.00	17.50	500
15	**15GX-6S**	17.50	20.00	500
17	**17GX-6S**	20.00	22.50	400
19	**19GX-6S**	22.50	25.00	400
21	**21GX-6S**	25.00	27.50	300
23	**23GX-6S**	27.50	30.00	300
25	**25GX-6S**	30.00	32.50	300

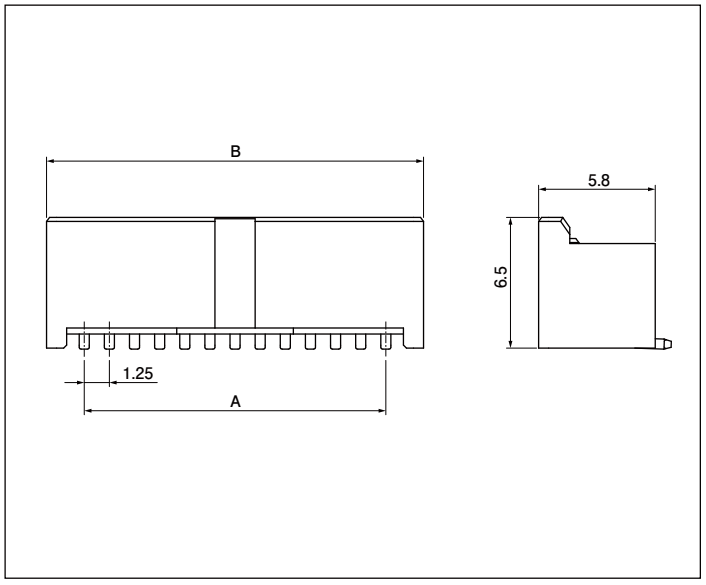
Material and Surface finish, etc.

Contact: Copper alloy, tin-plated
Socket housing: Thermoplastic resin, natural

※For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

GX connector Header

・Top entry type



・Top entry type

No. of circuits	Model No.	Dimensions (mm)		Q'ty/reel
		A	B	
2	**BM02B-GXKS-TF**	1.25	5.00	900
3	**BM03B-GXKS-TF**	2.50	6.25	900
4	**BM04B-GXKS-TF**	3.75	7.50	900
5	**BM05B-GXKS-TF**	5.00	8.75	900
6	**BM06B-GXKS-TF**	6.25	10.00	900
7	**BM07B-GXKS-TF**	7.50	11.25	900
8	**BM08B-GXKS-TF**	8.75	12.50	900
9	**BM09B-GXKS-TF**	10.00	13.75	900
11	**BM11B-GXKS-TF**	12.50	16.25	900
13	**BM13B-GXKS-TF**	15.00	18.75	900
15	**BM15B-GXKS-TF**	17.50	21.25	900
17	**BM17B-GXKS-TF**	20.00	25.00	900
19	**BM19B-GXKS-TF**	22.50	27.50	900
21	**BM21B-GXKS-TF**	25.00	30.00	900
23	**BM23B-GXKS-TF**	27.50	32.50	900
25	**BM25B-GXKS-TF**	30.00	35.00	900

Material and Surface finish, etc.

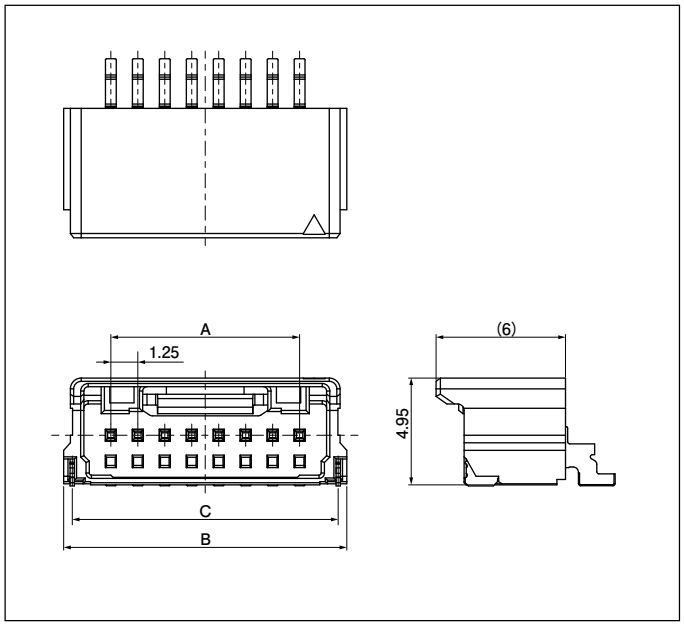
Post: Copper alloy, copper-undercoated, tin-plated
Housing: Heat resisting resin, black

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

※For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

GX connector Header

・Side entry type



・Side entry type

No. of circuits	Model No.	Dimensions (mm)			Q'ty/ reel
		A	B	C	
2	**SM02B-GXKS-TF**	1.25	5.625	4.825	1000
8	**SM08B-GXKS-TF**	8.75	13.125	12.325	1000

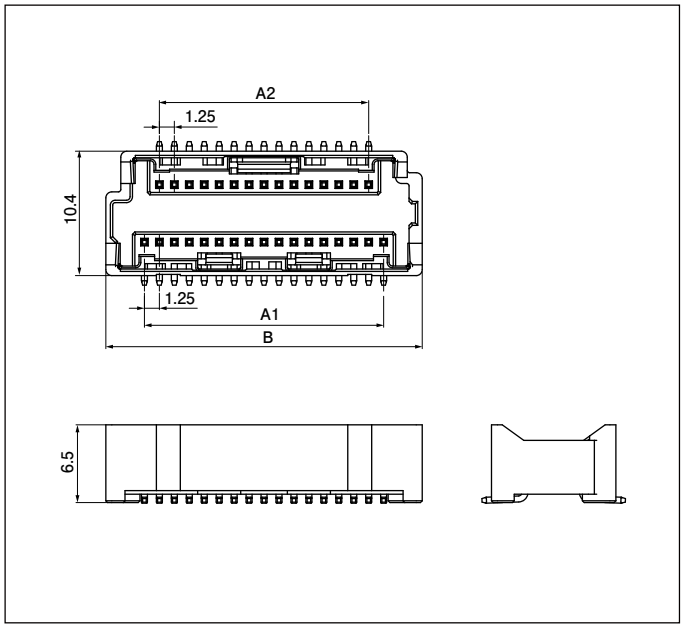
Material and Surface finish, etc.
Press pin : Copper alloy, copper-undercoated, tin-plated
Housing : Heat resisting resin, black
Reinforcement : Copper alloy, copper-undercoated, tin-plated

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

※For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

GXW connector Header

・Top entry type



・Top entry type

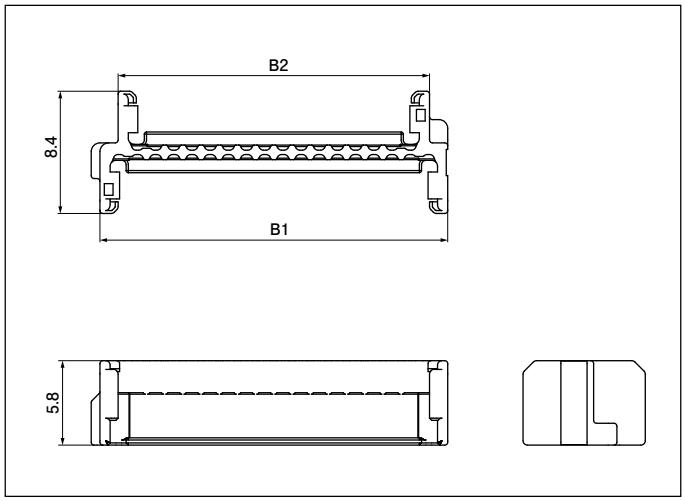
No. of circuits	Keying	Model No.	Dimensions (mm)			Q'ty/ reel
			A1	A2	B	
32	A	**BM32B-GXWKS-A-TF**	20.00	17.50	26.45	600
	B	**BM32B-GXWLES-B-TF**				600
36	A	**BM36B-GXWKS-A-TF**	22.50	20.00	28.95	600
	B	**BM36B-GXWLES-B-TF**				600
40	A	**BM40B-GXWKS-A-TF**	25.00	22.50	31.45	600
	B	**BM40B-GXWLES-B-TF**				600

Material and Surface finish, etc.
Post : Copper alloy, copper-undercoated, tin-plated
Wafer : Heat resisting resin, black/light blue

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

※For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

GXW connecter Socket holder



No. of circuits	Keying	Model No.	Dimensions (mm)		Q'ty/ box
			B1	B2	
32	A	GXWH-32-K-A	23.9	21.4	500
	B	GXWH-32-LE-B			500
36	A	GXWH-36-K-A	26.4	23.9	500
	B	GXWH-36-LE-B			500
40	A	GXWH-40-K-A	28.9	26.4	500
	B	GXWH-40-LE-B			500

Material and Surface finish, etc.
Thermoplastic resin, black/light blue

※For information on overseas standard registrations, please refer to the "List of Registered Overseas Standards" on our website (listed in the "Technical Documents" column on the Product Information page).

Model number allocation

・GX connector Socket

02 GX - 6 S

- No. of circuits
- Series name
- Applicable wire range: 6 ··· AWG#26 and #28 common use
- Color : S ··· Natural

・GX connector Header

BM 02 B - GX K S - TF

- Header type : BM ···Top entry type / SM ···Side entry type
- No. of circuits
- Asssembly product
- Series name
- Color : K ··· Black
- Array : S ··· In-line (Single-row)
- Packaging style : TF ···Embossed taping

・GXW connecter Header

BM 32 B - GXW K S - A - TF

- Header type : BM ··· Top entry type
- No. of circuits
- Asssembly product
- Series name
- Color : K ··· Black, LE ··· Light blue
- Array : S ··· In-line (Single-row)
- Keying : A ··· Type A, B ··· Type B
- Packaging style : TF ··· Embossed taping

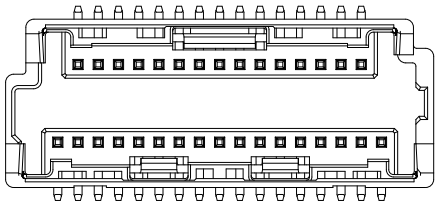
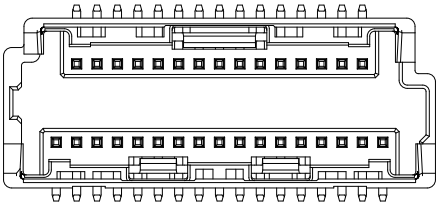
・GXW connecter Socket holder

GXW H - 32 - K - A

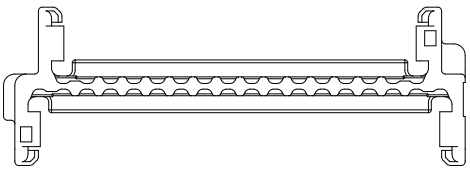
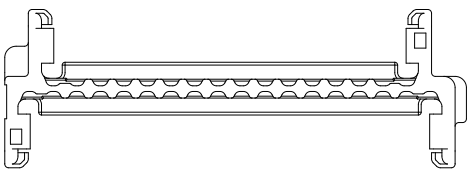
- Series name
- Part name : Socket holder
- No. of circuits
- Color : K ··· Black, LE ··· Light blue
- Keying : A ··· Type A, B ··· Type B

Keying

・GXW connector Header

Keying		Type A		Type B	
Shape					
Model No.	32-circuit	Black	BM32B-GXWKS-A-TF	Light blue	BM32B-GXWLES-B-TF
	36-circuit		BM36B-GXWKS-A-TF		BM36B-GXWLES-B-TF
	40-circuit		BM40B-GXWKS-A-TF		BM40B-GXWLES-B-TF

・GXW connector Socket holder

Keying		Type A		Type B	
Shape					
Model No.	32-circuit	Black	GXWH-32-K-A	Light blue	GXWH-32-LE-B
	36-circuit		GXWH-36-K-A		GXWH-36-LE-B
	40-circuit		GXWH-40-K-A		GXWH-40-LE-B