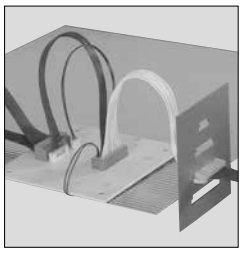
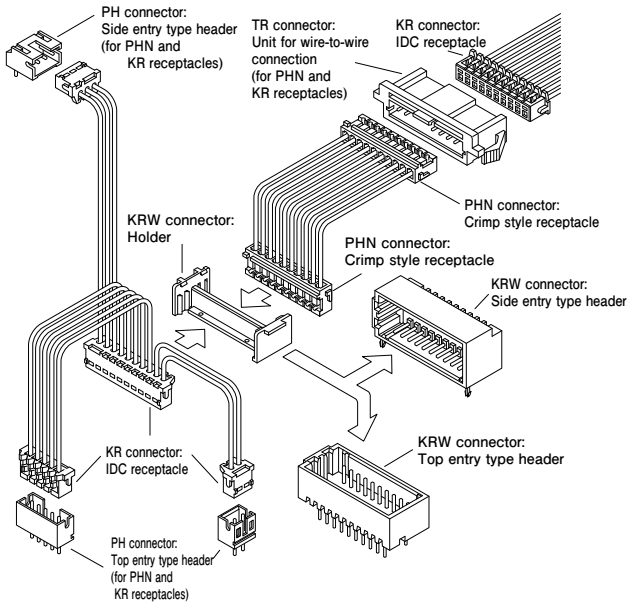


KR FAMILY/KR・PHN・KRW・TR・TRW CONNECTORS

2.0 mm pitch/Disconnectable IDC and Crimp style connectors



With the JST standard product KR connector as the core, according to using multi-harness insulation displacement connection by an automatic IDC machine, a holder for making a dual-row socket, a corresponding dual-row header, a header for wire-to-wire connection and so on, the high-density mounting of harnesses such as complicated shape is enabled.

- **Multi-IDC-harnesses are possible**
- **Various types of connectors**
- **Cost reduction**
- **Two types of circuit layouts**

Specifications

Item \ Series	KRW connector	TR and TRW connectors
Curren rating	1.0 A AC/DC (AWG#26)	
Voltage rating	100 V AC/DC	
Temperaure rise	−25℃ to +85℃ (including temperature rise)	
Contact rasistance	Initial／10 mΩ max. After environmental tests／20 mΩ max.	
Insulation resistance	1,000 MΩ min.	
Withstanding voltage	800 VAC/minute	
Applicable connector	KR connector, CR connector, PHN connector	
Applicable PC board thickness	1.6 mm	—
Applicable panel thickness	—	0.5 mm to 2 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

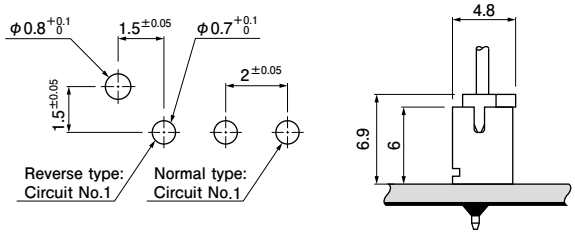
Recognized E60389
Certified LR20812
R75087: PH, PHN connectors

PC board layout and Assembly layout

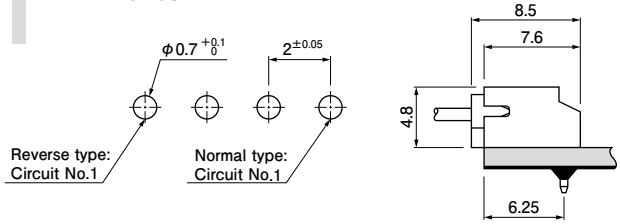
Header (Single-row)

<Through-hole type (viewed from component side)>

Top entry type



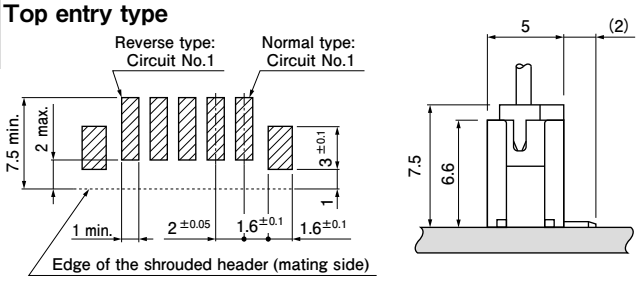
Side entry type



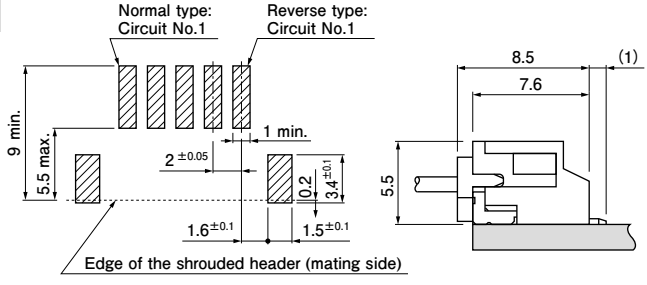
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method. Please contact JST for details as the dimensions shown in the above figure are reference values.

<SMTtype (viewed from soldering side)>

Top entry type



Side entry type

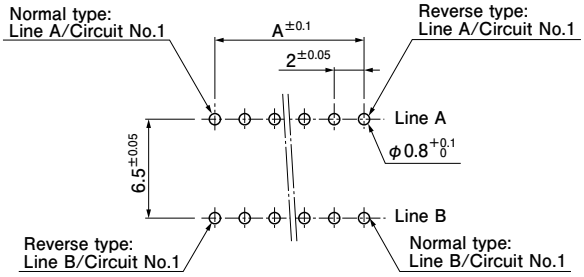


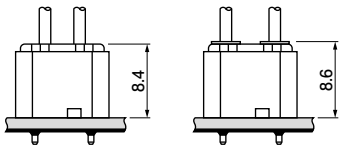
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. Please contact JST for details as the dimensions shown in the above figure are reference values.

PC board layout and Assembly layout

Header (Dual-row)
(viewed from component side)

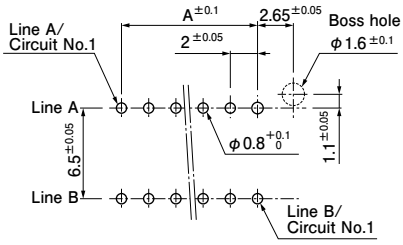
Top entry type



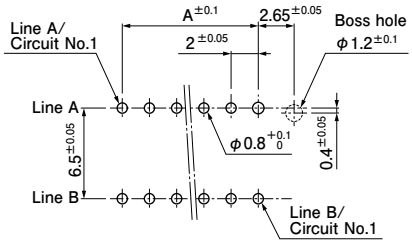


with KR receptacles with PHN receptacles

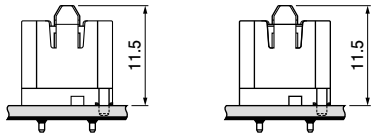
With lock



(With a standard boss)



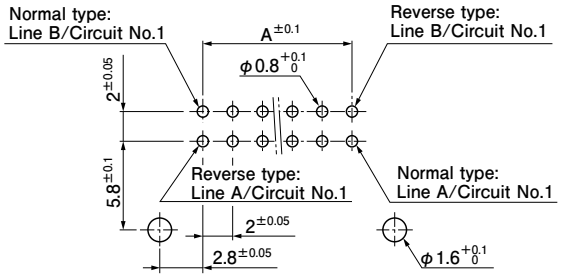
(With a compact boss)

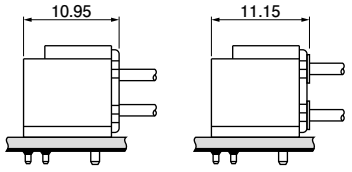


with KR receptacles with PHN receptacles

(With a standard boss) (With a standard boss)

Side entry type



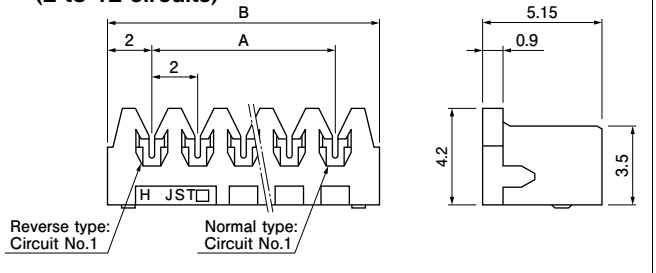


with KR receptacles with PHN receptacles

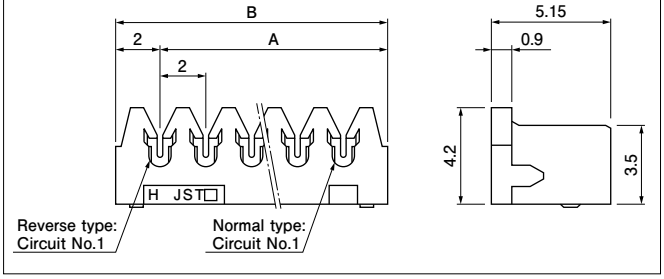
Note: 1. Tolerances are non-cumulative: ± 0.05 mm for all centers.
2. Hole dimensions differ according to the type of PC board and piercing method.
Please contact JST for details as the dimensions shown in the above figure are reference values.

IDC style connector (Receptacle)

(2 to 12 circuits)



(13 to 16 circuits)



No. of circuits	Model No.		Dimensions (mm)		Q'ty/ box
	Normal type	Reverse type	A	B	
2	02KR-6H-P	02KR-6H-PC	2.0	6.0	2,000
3	03KR-6H-P	03KR-6H-PC	4.0	8.0	2,000
4	04KR-6H-P	04KR-6H-PC	6.0	10.0	2,000
5	05KR-6H-P	05KR-6H-PC	8.0	12.0	2,000
6	06KR-6H-P	06KR-6H-PC	10.0	14.0	2,000
7	07KR-6H-P	07KR-6H-PC	12.0	16.0	1,000
8	08KR-6H-P	08KR-6H-PC	14.0	18.0	1,000
9	09KR-6H-P	09KR-6H-PC	16.0	20.0	1,000
10	10KR-6H-P	10KR-6H-PC	18.0	22.0	1,000
11	11KR-6H-P	11KR-6H-PC	20.0	24.0	1,000
12	12KR-6H-P	12KR-6H-PC	22.0	26.0	1,000
13	13KR-6H-P	13KR-6H-PC	24.0	28.0	500
14	14KR-6H-P	14KR-6H-PC	26.0	30.0	500
15	15KR-6H-P	15KR-6H-PC	28.0	32.0	500
16	16KR-6H-P	16KR-6H-PC	30.0	34.0	500

Material and Finish

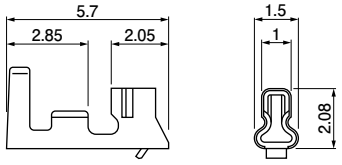
Contact: Phosphor bronze, tin-plated (reflow treatment)
Housing: 2 to 12 circuits...PA 66, UL94V-0, gray
13 to 16 circuits...Glass-filled PA 66, UL94V-0, gray

Applicable wire

UL1571, 1061(Contact JST for other UL styles.)
AWG#28, #26
Conductor / 7 strands, tin-plated annealed copper
Insulation O.D. / 0.9 to 1.0 mm

RoHS2 compliance

Crimp style connector (Contact)



Model No.	Applicable wire		Insulation O.D. (mm)	Q'ty/ reel
	mm²	AWG #		
SPH-002T-P0.5L	0.08 to 0.22	28 to 24	0.8 to 1.5	8,000

Material and Finish
Phosphor bronze, tin-plated (reflow treatment)

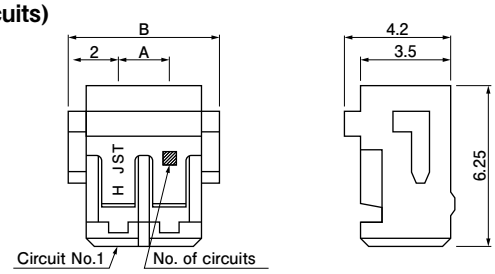
RoHS2 compliance
Note: SPH-002T-P0.5S is also available.

Contact	Crimping machine	Applicator		
		Crimp applicator	Dies	Crimp applicator with dies
SPH-002T-P0.5L	AP-K2N	MKS-L	MK/SPH-002-05L	APLMK SPH002-05L

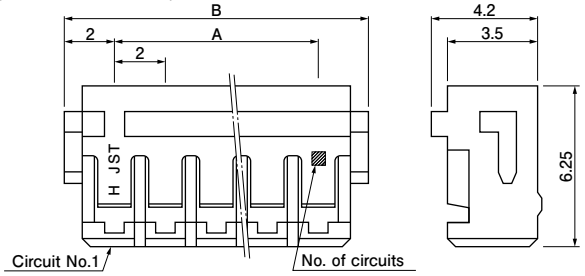
Note: Contact JST for fully automatic crimping applicator.

Crimp style connector (Housing)

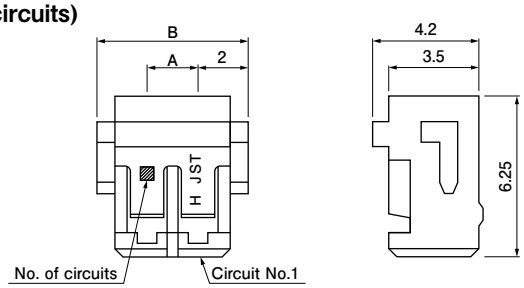
Normal type
(2 circuits)



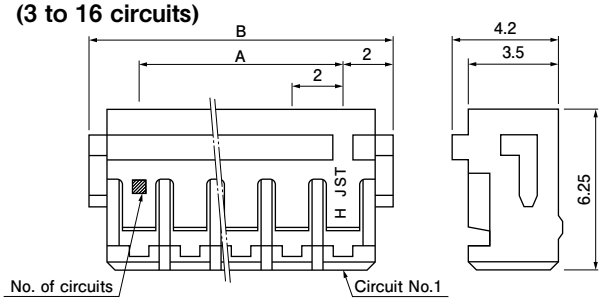
(3 to 16 circuits)



Reverse type
(2 circuits)



(3 to 16 circuits)



No. of circuits	Model No.		Dimensions (mm)		Q'ty/ bag
	Normal type	Reverse type	A	B	
2	PHNR-02-H	PHNR-02C-H	2.0	6.0	1,000
3	PHNR-03-H	PHNR-03C-H	4.0	8.0	1,000
4	PHNR-04-H	PHNR-04C-H	6.0	10.0	1,000
5	PHNR-05-H	PHNR-05C-H	8.0	12.0	1,000
6	PHNR-06-H	PHNR-06C-H	10.0	14.0	1,000
7	PHNR-07-H	PHNR-07C-H	12.0	16.0	1,000
8	PHNR-08-H	PHNR-08C-H	14.0	18.0	1,000
9	PHNR-09-H	PHNR-09C-H	16.0	20.0	1,000
10	PHNR-10-H	PHNR-10C-H	18.0	22.0	1,000
11	PHNR-11-H	PHNR-11C-H	20.0	24.0	1,000
12	PHNR-12-H	PHNR-12C-H	22.0	26.0	1,000
13	PHNR-13-H	PHNR-13C-H	24.0	28.0	1,000
14	PHNR-14-H	PHNR-14C-H	26.0	30.0	1,000
15	PHNR-15-H	PHNR-15C-H	28.0	32.0	1,000
16	PHNR-16-H	PHNR-16C-H	30.0	34.0	1,000

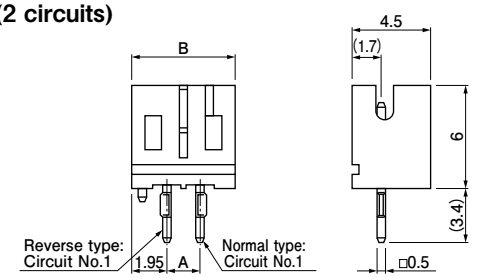
Material and Finish
PA 66, UL94V-0, gray

RoHS2 compliance

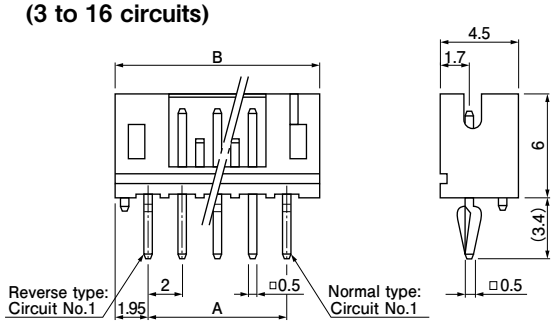
Header (Single-row / Through-hole type)

Top entry type

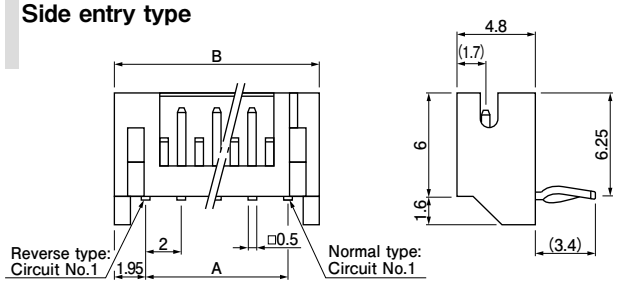
(2 circuits)



(3 to 16 circuits)



Side entry type



No. of circuits	Normal type Model No.		Dimensions(mm)		Q'ty/box	
	Top entry type (with boss)	Side entry type	A	B	Top entry type (with a boss)	Side entry type
2	B2B-PH-KBL-H	S2B-PH-KL	2.0	5.9	1,000	1,000
3	B3B-PH-KBL-H	S3B-PH-KL	4.0	7.9	1,000	1,000
4	B4B-PH-KBL-H	S4B-PH-KL	6.0	9.9	1,000	500
5	B5B-PH-KBL-H	S5B-PH-KL	8.0	11.9	1,000	500
6	B6B-PH-KBL-H	S6B-PH-KL	10.0	13.9	1,000	500
7	B7B-PH-KBL-H	S7B-PH-KL	12.0	15.9	500	500
8	B8B-PH-KBL-H	S8B-PH-KL	14.0	17.9	500	250
9	B9B-PH-KBL-H	S9B-PH-KL	16.0	19.9	500	250
10	B10B-PH-KBL-H	S10B-PH-KL	18.0	21.9	500	250
11	B11B-PH-KBL-H	S11B-PH-KL	20.0	23.9	500	250
12	B12B-PH-KBL-H	S12B-PH-KL	22.0	25.9	500	250
13	B13B-PH-KBL-H	S13B-PH-KL	24.0	27.9	250	250
14	B14B-PH-KBL-H	S14B-PH-KL	26.0	29.9	250	200
15	B15B-PH-KBL-H	S15B-PH-KL	28.0	31.9	250	200
16	B16B-PH-KBL-H	S16B-PH-KL	30.0	33.9	250	200

No. of circuits	Reverse type Model No.		Dimensions(mm)		Q'ty/box	
	Top entry type (with boss)	Side entry type	A	B	Top entry type (with a boss)	Side entry type
2	B2B-PH-KBLC-H	S2B-PH-KLC-H	2.0	5.9	1,000	1,000
3	B3B-PH-KBLC-H	S3B-PH-KLC-H	4.0	7.9	1,000	1,000
4	B4B-PH-KBLC-H	S4B-PH-KLC-H	6.0	9.9	1,000	500
5	B5B-PH-KBLC-H	S5B-PH-KLC-H	8.0	11.9	1,000	500
6	B6B-PH-KBLC-H	S6B-PH-KLC-H	10.0	13.9	1,000	500
7	B7B-PH-KBLC-H	S7B-PH-KLC-H	12.0	15.9	500	500
8	B8B-PH-KBLC-H	S8B-PH-KLC-H	14.0	17.9	500	250
9	B9B-PH-KBLC-H	S9B-PH-KLC-H	16.0	19.9	500	250
10	B10B-PH-KBLC-H	S10B-PH-KLC-H	18.0	21.9	500	250
11	B11B-PH-KBLC-H	S11B-PH-KLC-H	20.0	23.9	500	250
12	B12B-PH-KBLC-H	S12B-PH-KLC-H	22.0	25.9	500	250
13	B13B-PH-KBLC-H	S13B-PH-KLC-H	24.0	27.9	250	250
14	B14B-PH-KBLC-H	S14B-PH-KLC-H	26.0	29.9	250	200
15	B15B-PH-KBLC-H	S15B-PH-KLC-H	28.0	31.9	250	200
16	B16B-PH-KBLC-H	S16B-PH-KLC-H	30.0	33.9	250	200

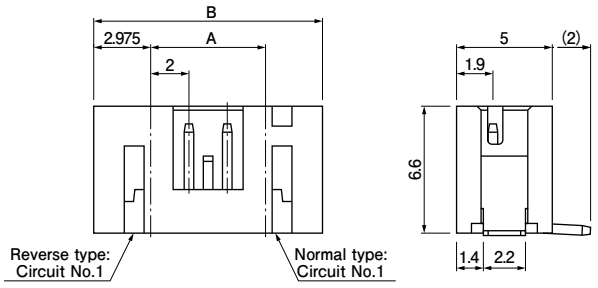
Material and Finish
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment) Wafer: PA 66, UL94V-0, gray

RoHS2 compliance This product displays (LF)(SN) on a label.

Note: 1. Top entry type headers without a bosses are also available.
2. PH connector header [B( )B-PH-K-S, S( )B-PH-K-S] can be also used.
( ) stands for circuits No.

Header (Single-row / SMT type)

Top entry type



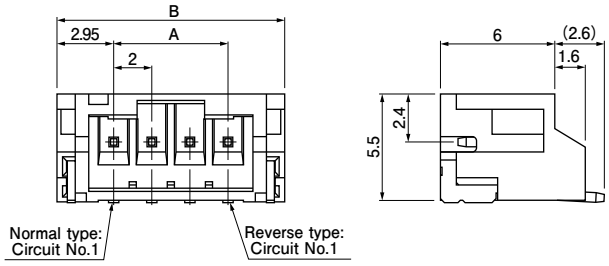
No. of circuits	Normal type Model No.		Dimensions (mm)			Q'ty/ reel
			A	B		
	Top entry type	Side entry type		Top entry type	Side entry type	
2	B2B-PH-SM4-TB	S2B-PH-SM4-TB	2.0	7.95	7.9	1,000
3	B3B-PH-SM4-TB	S3B-PH-SM4-TB	4.0	9.95	9.9	1,000
4	B4B-PH-SM4-TB	S4B-PH-SM4-TB	6.0	11.95	11.9	1,000
5	B5B-PH-SM4-TB	S5B-PH-SM4-TB	8.0	13.95	13.9	1,000
6	B6B-PH-SM4-TB	S6B-PH-SM4-TB	10.0	15.95	15.9	1,000
7	B7B-PH-SM4-TB	S7B-PH-SM4-TB	12.0	17.95	17.9	1,000
8	B8B-PH-SM4-TB	S8B-PH-SM4-TB	14.0	19.95	19.9	1,000
9	B9B-PH-SM4-TB	S9B-PH-SM4-TB	16.0	21.95	21.9	1,000
10	B10B-PH-SM4-TB	S10B-PH-SM4-TB	18.0	23.95	23.9	1,000
11	B11B-PH-SM4-TB	S11B-PH-SM4-TB	20.0	25.95	25.9	1,000
12	B12B-PH-SM4-TB	S12B-PH-SM4-TB	22.0	27.95	27.9	1,000
13	B13B-PH-SM4-TB	S13B-PH-SM4-TB	24.0	29.95	29.9	1,000
14	B14B-PH-SM4-TB	S14B-PH-SM4-TB	26.0	31.95	31.9	1,000
15	B15B-PH-SM4-TB	S15B-PH-SM4-TB	28.0	33.95	33.9	1,000
16	B16B-PH-SM4-TB	—	30.0	35.95	—	1,000

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 6T, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

RoHS2 compliance This product displays (LF)(SN) on a label.
Note: Top entry type headers with suction tape are also available.

Side entry type



No. of circuits	Reverse type Model No.		Dimensions (mm)		Q'ty/ reel
	Top entry type	Side entry type	A	B	
2	B2B-PH-SM4C-TB	S2B-PH-SM4C-TB	2.0	7.9	1,000
3	B3B-PH-SM4C-TB	S3B-PH-SM4C-TB	4.0	9.9	1,000
4	B4B-PH-SM4C-TB	S4B-PH-SM4C-TB	6.0	11.9	1,000
5	B5B-PH-SM4C-TB	S5B-PH-SM4C-TB	8.0	13.9	1,000
6	B6B-PH-SM4C-TB	S6B-PH-SM4C-TB	10.0	15.9	1,000
7	B7B-PH-SM4C-TB	S7B-PH-SM4C-TB	12.0	17.9	1,000
8	B8B-PH-SM4C-TB	S8B-PH-SM4C-TB	14.0	19.9	1,000
9	B9B-PH-SM4C-TB	S9B-PH-SM4C-TB	16.0	21.9	1,000
10	B10B-PH-SM4C-TB	S10B-PH-SM4C-TB	18.0	23.9	1,000
11	B11B-PH-SM4C-TB	S11B-PH-SM4C-TB	20.0	25.9	1,000
12	B12B-PH-SM4C-TB	S12B-PH-SM4C-TB	22.0	27.9	1,000
13	B13B-PH-SM4C-TB	S13B-PH-SM4C-TB	24.0	29.9	1,000
14	B14B-PH-SM4C-TB	S14B-PH-SM4C-TB	26.0	31.9	1,000
15	B15B-PH-SM4C-TB	S15B-PH-SM4C-TB	28.0	33.9	1,000
16	B16B-PH-SM4C-TB	—	30.0	35.9	1,000

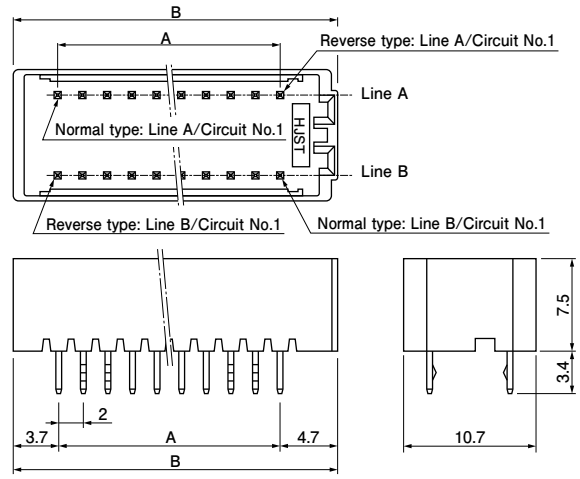
Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 6T, UL94V-0, natural (ivory)
Solder tab: Brass, copper-undercoated, tin-plated (reflow treatment)

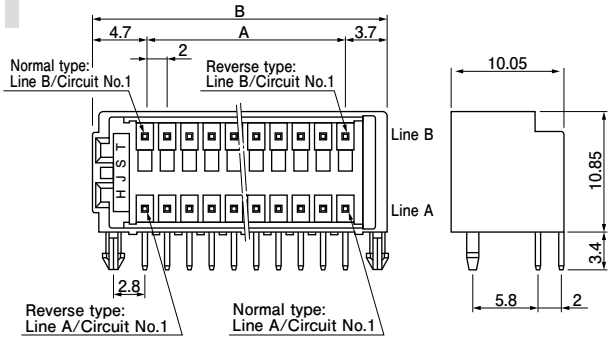
RoHS2 compliance This product displays (LF)(SN) on a label.

Header (Dual-row)

Top entry type



Side entry type



No. of circuits	Model No.				Dimensions (mm)		Q'ty/box	
	Normal type		Reverse type					
	Top entry type	Side entry type	Top entry type	Side entry type	A	B	Top entry type	Side entry type
16	B16B-KRWHK	S16B-KRWHS	B16B-KRWHK-C	S16B-KRWHS-C	14.0	22.4	320	280
18	B18B-KRWHK	S18B-KRWHS	B18B-KRWHK-C	S18B-KRWHS-C	16.0	24.4	288	252
20	B20B-KRWHK	S20B-KRWHS	B20B-KRWHK-C	S20B-KRWHS-C	18.0	26.4	256	224
22	B22B-KRWHK	S22B-KRWHS	B22B-KRWHK-C	S22B-KRWHS-C	20.0	28.4	224	196
24	B24B-KRWHK	—	B24B-KRWHK-C	—	22.0	30.4	224	196
26	B26B-KRWHK	S26B-KRWHS	B26B-KRWHK-C	S26B-KRWHS-C	24.0	32.4	192	168
28	B28B-KRWHK	S28B-KRWHS	B28B-KRWHK-C	S28B-KRWHS-C	26.0	34.4	192	168
30	B30B-KRWHK	S30B-KRWHS	B30B-KRWHK-C	S30B-KRWHS-C	28.0	36.4	192	168
32	B32B-KRWHK	S32B-KRWHS	B32B-KRWHK-C	S32B-KRWHS-C	30.0	38.4	160	140

Material and Finish

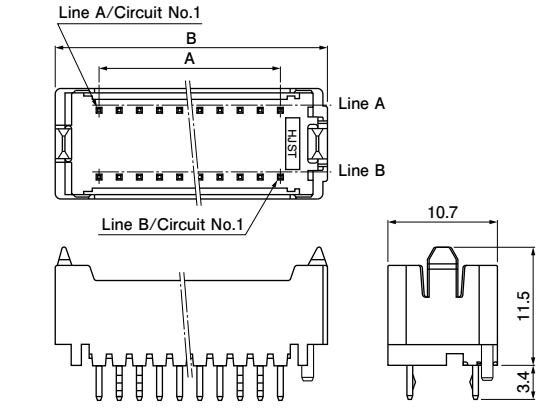
Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, gray

RoHS2 compliance This product displays (LF)(SN) on a label.
Note:1.Top entry type headers with bosses or without clinched tails are also available.
2.The products listed above are supplied packed in tray.

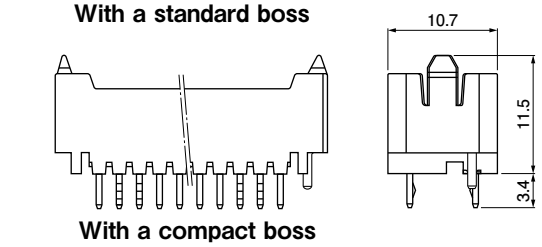
Header (Dual-row)

<With lock>

Top entry type



With a standard boss



With a compact boss

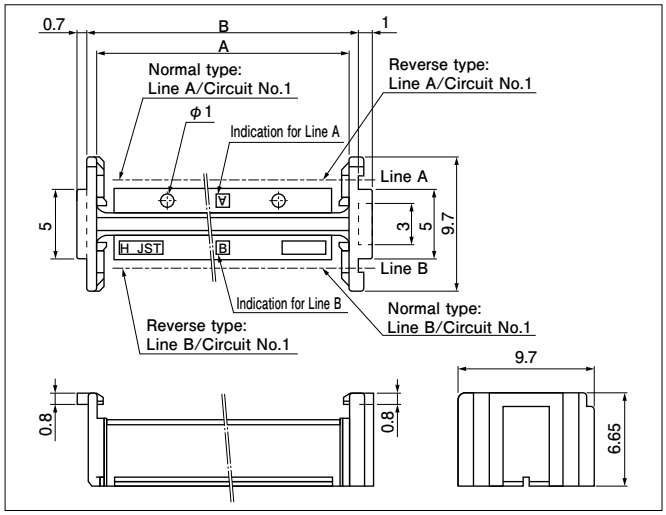
No. of circuits	Model No.			Dimensions (mm)		Q'ty/box
	Top entry type					
	Without bosses	With a standard boss	With a compact boss	A	B	
10	B10B-KRWHK-F1	B10B-KRWHK-F1-1	B10B-KRWHK-F1-1D	8.0	17.0	364
12	B12B-KRWHK-F1	B12B-KRWHK-F1-1	B12B-KRWHK-F1-1D	10.0	19.0	308
14	B14B-KRWHK-F1	B14B-KRWHK-F1-1	B14B-KRWHK-F1-1D	12.0	21.0	280
16	B16B-KRWHK-F1	B16B-KRWHK-F1-1	B16B-KRWHK-F1-1D	14.0	23.0	252
18	B18B-KRWHK-F1	B18B-KRWHK-F1-1	B18B-KRWHK-F1-1D	16.0	25.0	252
20	B20B-KRWHK-F1	B20B-KRWHK-F1-1	B20B-KRWHK-F1-1D	18.0	27.0	224
22	B22B-KRWHK-F1	B22B-KRWHK-F1-1	B22B-KRWHK-F1-1D	20.0	29.0	196
24	B24B-KRWHK-F1	B24B-KRWHK-F1-1	B24B-KRWHK-F1-1D	22.0	31.0	196
26	B26B-KRWHK-F1	B26B-KRWHK-F1-1	B26B-KRWHK-F1-1D	24.0	33.0	168
28	B28B-KRWHK-F1	B28B-KRWHK-F1-1	B28B-KRWHK-F1-1D	26.0	35.0	168
30	B30B-KRWHK-F1	B30B-KRWHK-F1-1	B30B-KRWHK-F1-1D	28.0	37.0	168
32	B32B-KRWHK-F1	B32B-KRWHK-F1-1	B32B-KRWHK-F1-1D	30.0	39.0	140

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Wafer: PA 66, UL94V-0, gray

RoHS2 compliance This product displays (LF)(SN) on a label.
Note: 1. The applicable holder is "KRWH-( )( )-( )-1" only.
2. The products listed above are supplied packed in tray.
3. Unlisted in UL/CSA/TÜV.

KRW connector holder



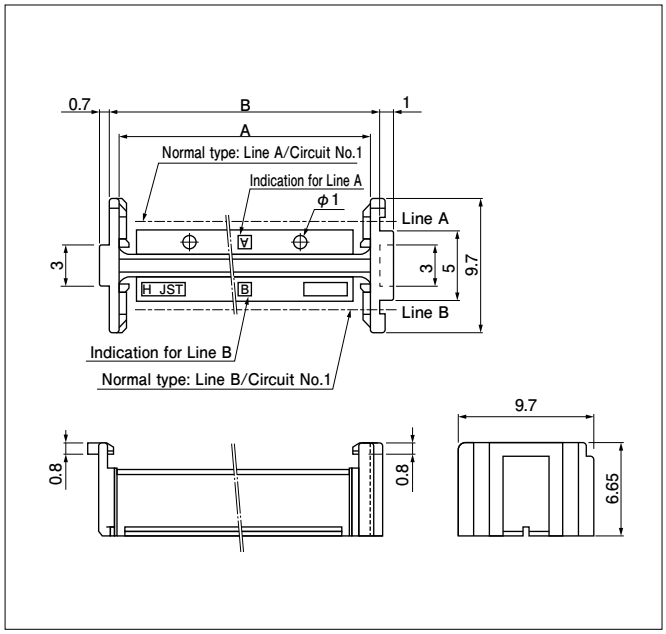
No. of circuits	Model No.		Dimensions (imm)	
	Normal type	Reverse type	A	B
10	**KRWH-10-H**	**KRWH-10C-H**	12.0	13.4
12	**KRWH-12-H**	**KRWH-12C-H**	14.0	15.4
14	**KRWH-14-H**	**KRWH-14C-H**	16.0	17.4
16	**KRWH-16-H**	**KRWH-16C-H**	18.0	19.4
18	**KRWH-18-H**	**KRWH-18C-H**	20.0	21.4
20	**KRWH-20-H**	**KRWH-20C-H**	22.0	23.4
22	**KRWH-22-H**	**KRWH-22C-H**	24.0	25.4
24	**KRWH-24-H**	**KRWH-24C-H**	26.0	27.4
26	**KRWH-26-H**	**KRWH-26C-H**	28.0	29.4
28	**KRWH-28-H**	**KRWH-28C-H**	30.0	31.4
30	**KRWH-30-H**	**KRWH-30C-H**	32.0	33.4
32	**KRWH-32-H**	**KRWH-32C-H**	34.0	35.4

Material and Finish

PA 66, UL94V-0, gray

RoHS2 compliance

KRW connector holder (for header with lock)



No. of circuits	Model No.	Dimensions (mm)		Q'ty/ box
		A	B	
10	**KRWH-10-H-1**	12.0	13.4	1,000
12	**KRWH-12-H-1**	14.0	15.4	1,000
14	**KRWH-14-H-1**	16.0	17.4	1,000
16	**KRWH-16-H-1**	18.0	19.4	1,000
18	**KRWH-18-H-1**	20.0	21.4	1,000
20	**KRWH-20-H-1**	22.0	23.4	1,000
22	**KRWH-22-H-1**	24.0	25.4	1,000
24	**KRWH-24-H-1**	26.0	27.4	1,000
26	**KRWH-26-H-1**	28.0	29.4	1,000
28	**KRWH-28-H-1**	30.0	31.4	1,000
30	**KRWH-30-H-1**	32.0	33.4	1,000
32	**KRWH-32-H-1**	34.0	35.4	1,000

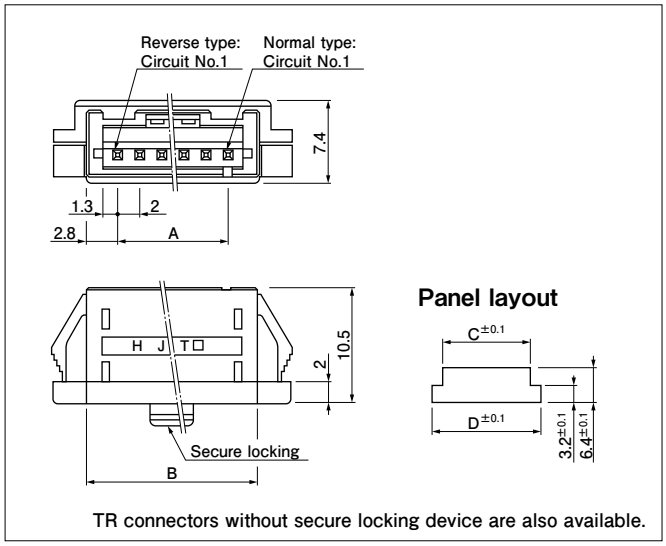
Material and Finish

PA 66, UL94V-0, gray

RoHS2 compliance

Note: 1. The applicable header is "B( )B-KRW( )K-F1-( )" only.
2. Unlisted in UL/CSA/TÜV.

TR connector (Unit for wire-to-wire connection)



TR connectors without secure locking device are also available.

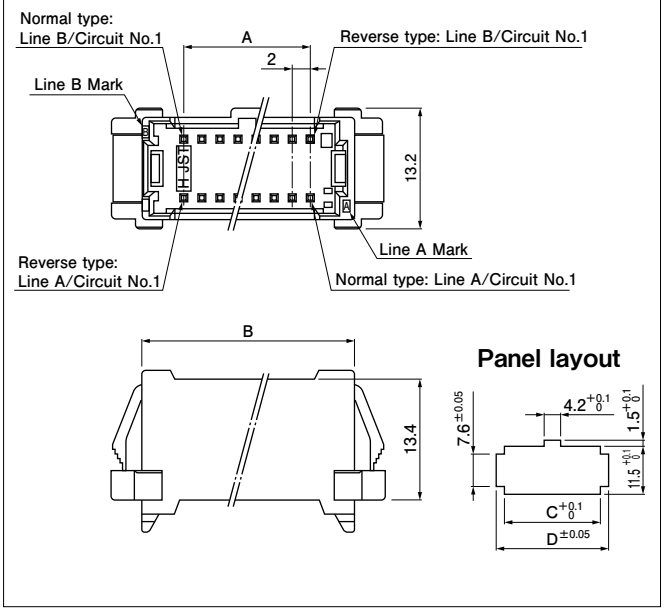
No. of circuits	Model No.		Dimensions (mm)				Q'ty/ box
	Normal type	Reverse type	A	B	C	D	
2	**BU02P-TR-P-H**	**BU02P-TR-PC-H**	2.0	7.6	7.9	11.6	500
3	**BU03P-TR-P-H**	**BU03P-TR-PC-H**	4.0	9.6	9.9	13.6	500
4	**BU04P-TR-P-H**	**BU04P-TR-PC-H**	6.0	11.6	11.9	15.6	500
5	**BU05P-TR-P-H**	**BU05P-TR-PC-H**	8.0	13.6	13.9	17.6	250
6	**BU06P-TR-P-H**	**BU06P-TR-PC-H**	10.0	15.6	15.9	19.6	250
7	**BU07P-TR-P-H**	**BU07P-TR-PC-H**	12.0	17.6	18.0	21.6	200
8	**BU08P-TR-P-H**	**BU08P-TR-PC-H**	14.0	19.6	20.0	23.6	250
9	**BU09P-TR-P-H**	**BU09P-TR-PC-H**	16.0	21.6	22.0	25.6	250
10	**BU10P-TR-P-H**	**BU10P-TR-PC-H**	18.0	23.6	24.0	27.6	200
11	**BU11P-TR-P-H**	**BU11P-TR-PC-H**	20.0	25.6	26.0	29.6	200
12	**BU12P-TR-P-H**	**BU12P-TR-PC-H**	22.0	27.6	28.0	31.6	200
13	**BU13P-TR-P-H**	**BU13P-TR-PC-H**	24.0	29.6	30.0	33.6	150
14	**BU14P-TR-P-H**	**BU14P-TR-PC-H**	26.0	31.6	32.0	35.6	150
15	**BU15P-TR-P-H**	**BU15P-TR-PC-H**	28.0	33.6	34.0	37.6	150
16	**BU16P-TR-P-H**	**BU16P-TR-PC-H**	30.0	35.6	36.0	39.6	150

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Housing: PA 66, UL94V-0, gray

RoHS2 compliance This product displays (LF)(SN) on a label.

TRW connector (Unit for wire-to-wire connection)



No. of circuits	Model No.		Dimensions (mm)				Q'ty/box
	Normal type	Reverse type	A	B	C	D	
16	BU16P-TRW-P-H	BU16P-TRW-PC-H	14.0	23.5	23.9	27.5	100
18	BU18P-TRW-P-H	BU18P-TRW-PC-H	16.0	25.5	25.9	29.5	100
20	BU20P-TRW-P-H	BU20P-TRW-PC-H	18.0	27.5	27.9	31.5	50
22	BU22P-TRW-P-H	BU22P-TRW-PC-H	20.0	29.5	29.9	33.5	50
24	BU24P-TRW-P-H	BU24P-TRW-PC-H	22.0	31.5	31.9	35.5	50
26	BU26P-TRW-P-H	BU26P-TRW-PC-H	24.0	33.5	33.9	37.5	50
28	BU28P-TRW-P-H	BU28P-TRW-PC-H	26.0	35.5	35.9	39.5	50
30	BU30P-TRW-P-H	BU30P-TRW-PC-H	28.0	37.5	37.9	41.5	50
32	BU32P-TRW-P-H	BU32P-TRW-PC-H	30.0	39.5	39.9	43.5	50

Material and Finish

Post: Copper alloy, copper-undercoated, tin-plated (reflow treatment)
Housing: PA 66, UL94V-0, gray

RoHS2 compliance This product displays (LF)(SN) on a label.

Model number allocation

Socket (Insulation displacement type)

02 KR - 6 H - P

- No. of circuits: 2 to 16
- Series name
- Applicable wire range: 6···AWG #28, AWG #26
- Color: H···Gray
- Shape: P···Normal type
  PC···Reverse type

Contact (Crimp type)

S PH - 002 T - P 0.5 L

- Form: S···Strip form
- Series name
- Applicable wire range:
  002···AWG #30 to #24 (Normal type)
  or AWG #28 to #24 (Low insertion force type)
- Surface finish: T···Tin-plated (reflow treatment)
- Material: P···Phosphor bronze
- Terminal size
- Supplementary symbol: S···Normal type, L···Low insertion force type

Housing (Crimp type)

PHN R - 02 □ - H

- Series name
- Part name: Receptacle
- No. of circuits: 2 to 16
- Shape: None···Normal type
  C···Reverse type
- Color: H···Gray

Header (Single-row / Through-hole type)

B 2 B - PH K B L □ - H

- Shape of assembled product:
  B···Top entry type
  S···Side entry type
- No. of circuits: 2 to 16
- Indication of assembly
- Series name
- Indication of clinch: K···Clinched
- With/Without boss: B···With boss, None···Without boss
- Type name: L···Low insertion force type
- Polarity: None···Normal type, C···Reverse type
- Color: H···Gray, S···White, Y···Yellow, R···Red, N···Brown, K···Black,
  None···Gray (only side entry type of normal type)

Model number allocation

Header (Single-row / SMT type)

B 2 B - PH - SM4 ☐ -TB

- Shape of assembled product: B···Top entry type, S···Side entry type
- No. of circuits: Top entry type···2 to 16, Side entry type···2 to 15
- Indication of assembly
- Series name
- SMT type product
- Polarity: None···Normal type, C···Reverse type
- Packaging style: TB···Taping

Header (Dual-row)

B 16 B - KRW H K - ☐

- Shape of assembled product: B···Top entry type, S···Side entry type
- No. of circuits: Top entry type···Even number of circuits from 16 to 32, Side entry type···Even number of circuits from 16 to 22 and 26 to 32
- Indication of assembly
- Series name
- Color: M···Green, H···Gray, N···Brown
- Indication of clinch: S···Straight pin, K···Clinched
- Shape: None···Normal type, C···Reverse type

Header (Dual-row / with lock)

B 10 B - KRW H K -F1- ☐

- Shape of assembled product: B···Top entry type
- No. of circuits: Even number of circuits from 10 to 32
- Indication of assembly
- Series name
- Color: H···Gray, Y···Yellow, R···Red, N···Brown, M···Green, K···Black
- Indication of clinch: K···Clinched
- Indication of lock: F1···With lock
- Shape: 1···With a standard boss, 1D···With a compact boss, None···Without boss

Holder

KRW H - 10 ☐ - H

- Series name
- Part name: Holder
- No. of circuits: Even number of circuits from 10 to 32
- Shape: None···Normal type, C···Reverse type
- Color: H···Gray

Holder (for header with lock)

KRW H - 10 ☐ - H - 1

- Series name
- Part name: Holder
- No. of circuits: Even number of circuits from 10 to 32
- Shape: None···Normal type
- Color: H···Gray, Y···Yellow, R···Red, N···Brown, K···Black, S···Natural
- Identification symbol

TR connector (Unit for wire-to-wire connection)

BU 02 P - TR P ☐ - H

- Shape of assembled product: BU···Top entry type
- No. of circuits: 2 to 16
- Part name: Plug
- Series name
- Lock form: P···Secure lock, F···Friction lock
- Shape: None···Normal type, C···Reverse type
- Color: H···Gray

TRW connector (Unit for wire-to-wire connection)

BU 16 P - TRW - P ☐ - H

- Shape of assembled product: BU···Header (wire-to-wire)
- No. of circuits: Even number of circuits from 16 to 32
- Part name: Plug
- Series name
- Lock form: P···Secure lock
- Shape: None···Normal type, C···Reverse type
- Color: H···Gray, Y···Yellow, R···Red, N···Brown, S···Natural (White), M···Green