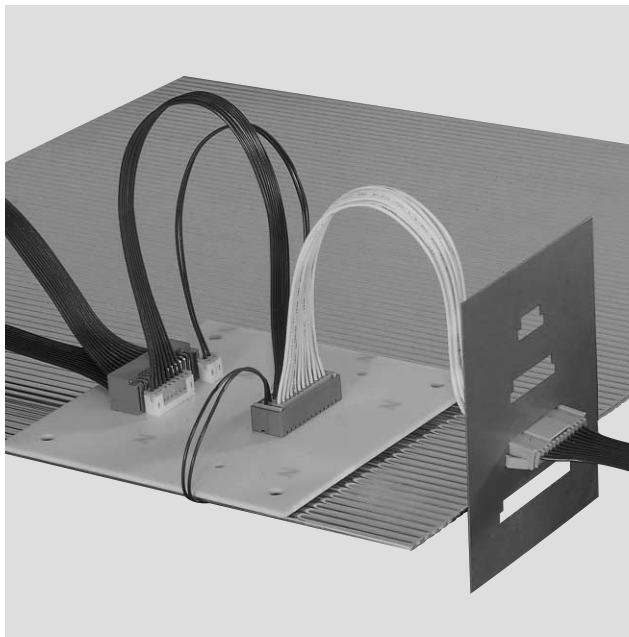
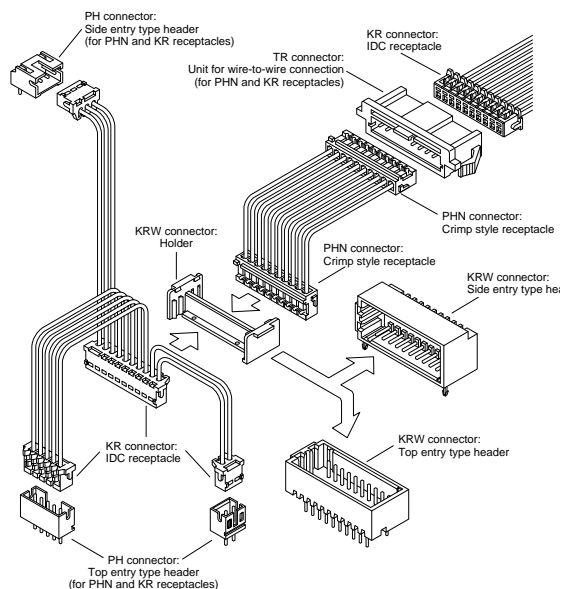


# KR FAMILY SERIES/KRW•KR•PHN•TR CONNECTOR

Disconnectable Insulation displacement and Crimp style connectors



Based upon JST's field proven KR series connectors, the KR series family of connectors have been expanded to meet the requirements of high density packaging. The KRW connector allows double-row wire-to-board connection using either the KR or PHN connectors. Whilst the TR connector allows wire-to-wire connection, also using either the KR or PHN connectors.



## Features

- Multi-IDC-harnesses are possible

- Various types of connectors

In addition to the KRW, KR, PHN and TR connectors, there are other 2.0mm(.079")pitch connectors available such as the KRD, CR, DA, DD and DS ranges.

- Cost reduction

By introducing the KR family series, a reduction in harness production time can be achieved through rationalization/standardization. This in turn, will therefore reduce harness costs, thus benefiting both the harness-maker and the set-maker alike.

- Two types of circuit layouts

The connector is available in either the normal or reverse configurations. (Circuit number layouts are different from each other.)

## Specifications

Item	Series	KRW connector	TR/TRW connector
Current rating		1.0A AC, DC (AWG#26)	
Voltage rating		100V AC, DC	
Temperature rise		-25°C to +85°C (including temperature rise)	
Contact resistance		Initial value / 10m Ω max. After environmental testing / 20m Ω max.	
Insulation resistance		1,000M Ω min.	
Withstanding voltage		800V AC / minute	
Applicable connector		KR connector, CR connector, PHN connector	
Applicable PC board thickness		1.6mm(.063")	—
Applicable panel thickness		—	0.5 to 2.0mm(.020" to .079")

\* 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

Ⓢ Certified LR20812

△ R75087: PH, PHN connectors

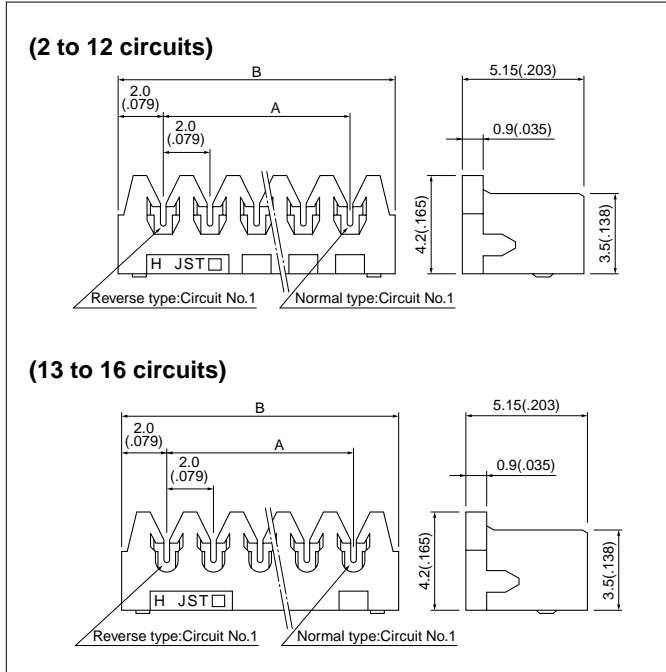
△ R75088: KR connector

△ R9851222: KRW connector

△ R9851223: TR connector

# KR FAMILY SERIES CONNECTOR

## Insulation displacement connector (Receptacle)



Circuits	Model No.		Dimensions mm(in.)		Q'ty / bag
	Normal type	Reverse type	A	B	
2	<b>02KR-6H-P</b>	<b>02KR-6H-PC</b>	2.0( .079)	6.0( .236)	2,000
3	<b>03KR-6H-P</b>	<b>03KR-6H-PC</b>	4.0( .157)	8.0( .315)	2,000
4	<b>04KR-6H-P</b>	<b>04KR-6H-PC</b>	6.0( .236)	10.0( .394)	2,000
5	<b>05KR-6H-P</b>	<b>05KR-6H-PC</b>	8.0( .315)	12.0( .472)	2,000
6	<b>06KR-6H-P</b>	<b>06KR-6H-PC</b>	10.0( .394)	14.0( .551)	2,000
7	<b>07KR-6H-P</b>	<b>07KR-6H-PC</b>	12.0( .472)	16.0( .630)	1,000
8	<b>08KR-6H-P</b>	<b>08KR-6H-PC</b>	14.0( .551)	18.0( .709)	1,000
9	<b>09KR-6H-P</b>	<b>09KR-6H-PC</b>	16.0( .630)	20.0( .787)	1,000
10	<b>10KR-6H-P</b>	<b>10KR-6H-PC</b>	18.0( .709)	22.0( .866)	1,000
11	<b>11KR-6H-P</b>	<b>11KR-6H-PC</b>	20.0( .787)	24.0( .945)	1,000
12	<b>12KR-6H-P</b>	<b>12KR-6H-PC</b>	22.0( .866)	26.0(1.024)	1,000
13	<b>13KR-6H-P</b>	<b>13KR-6H-PC</b>	24.0( .945)	28.0(1.102)	500
14	<b>14KR-6H-P</b>	<b>14KR-6H-PC</b>	26.0(1.024)	30.0(1.181)	500
15	<b>15KR-6H-P</b>	<b>15KR-6H-PC</b>	28.0(1.102)	32.0(1.260)	500
16	<b>16KR-6H-P</b>	<b>16KR-6H-PC</b>	30.0(1.181)	34.0(1.339)	500

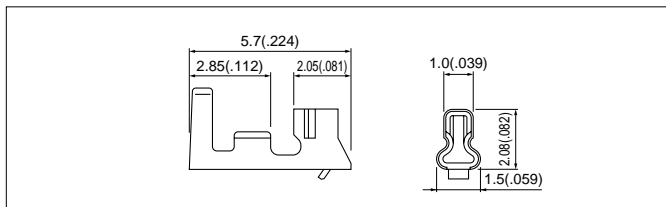
### Material and Finish

Contact: Phosphor bronze, tin-plated  
Housing: 2 to 12 circuits...Nylon 66, UL94V-0, gray  
13 to 16 circuits...Glass-filled nylon 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 1.0mm(.035" to .039")

## Crimp style connector (Contact)



Model No.	Applicable wire		Insulation O.D. mm(in.)	Q'ty/ reel
	mm <sup>2</sup>	AWG#		
<b>SPH-002T-P0.5L</b>	0.08 to 0.22	28 to 24	0.8 to 1.5(.031 to .059)	8,000

### Material and Finish

Phosphor bronze, tin-plated

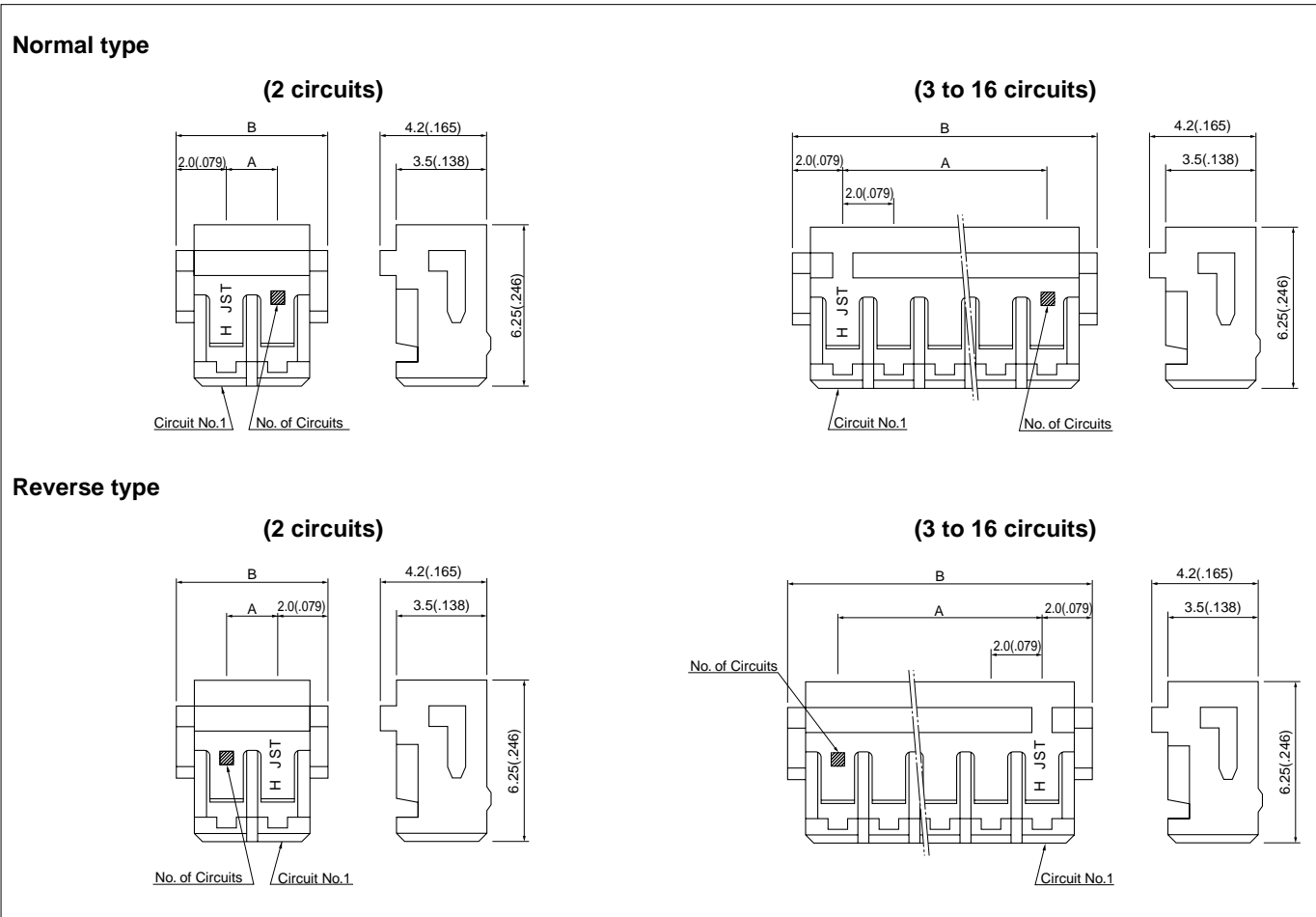
Note: SPH-002T-P0.5S is also available.

## Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		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
<b>SPH-002T-P0.5L</b>	APLMK SPH002-05L	APLNC SPH002-05L	APLMKLS SPH002-05L	APLLSNC SPH002-05L	-

# KR FAMILY SERIES CONNECTOR

## Crimp style connector (Housing)



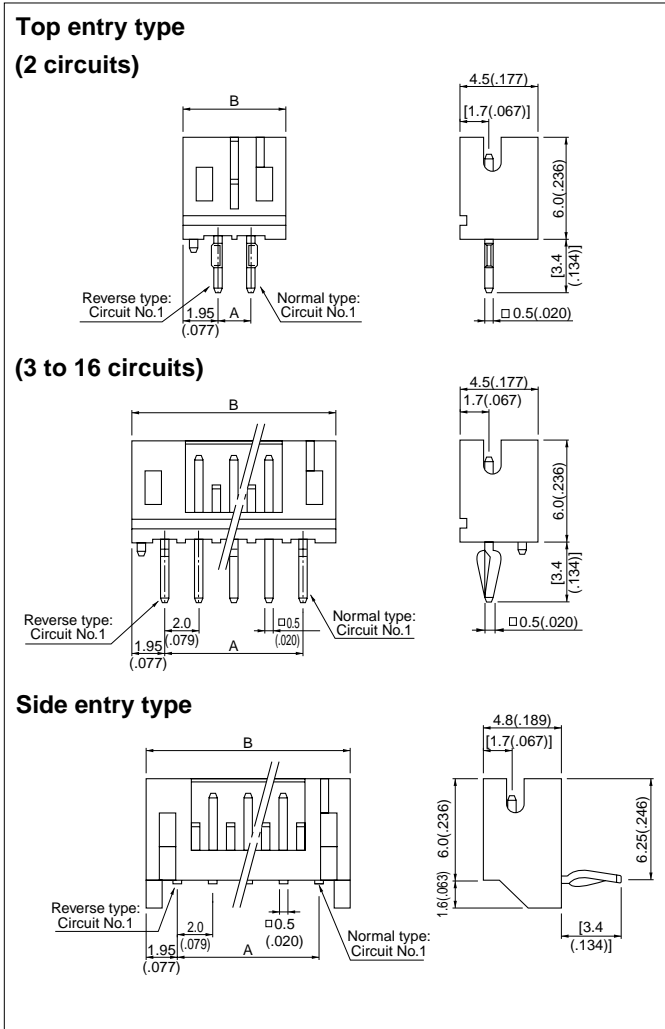
Circuits	Model No.		Dimensions mm(in.)		Q'ty / bag
	Normal type	Reverse type	A	B	
2	PHNR-02-H	PHNR-02C-H	2.0(.079)	6.0(.236)	1,000
3	PHNR-03-H	PHNR-03C-H	4.0(.157)	8.0(.315)	1,000
4	PHNR-04-H	PHNR-04C-H	6.0(.236)	10.0(.394)	1,000
5	PHNR-05-H	PHNR-05C-H	8.0(.315)	12.0(.472)	1,000
6	PHNR-06-H	PHNR-06C-H	10.0(.394)	14.0(.551)	1,000
7	PHNR-07-H	PHNR-07C-H	12.0(.472)	16.0(.630)	1,000
8	PHNR-08-H	PHNR-08C-H	14.0(.551)	18.0(.709)	1,000
9	PHNR-09-H	PHNR-09C-H	16.0(.630)	20.0(.787)	1,000
10	PHNR-10-H	PHNR-10C-H	18.0(.709)	22.0(.866)	1,000
11	PHNR-11-H	PHNR-11C-H	20.0(.787)	24.0(.945)	1,000
12	PHNR-12-H	PHNR-12C-H	22.0(.866)	26.0(1.024)	1,000
13	PHNR-13-H	PHNR-13C-H	24.0(.945)	28.0(1.102)	1,000
14	PHNR-14-H	PHNR-14C-H	26.0(1.024)	30.0(1.181)	1,000
15	PHNR-15-H	PHNR-15C-H	28.0(1.102)	32.0(1.260)	1,000
16	PHNR-16-H	PHNR-16C-H	30.0(1.181)	34.0(1.339)	1,000

**Material**

Nylon 66, UL94V-0, gray

# KR FAMILY SERIES CONNECTOR

## Single-row shrouded header (Through-hole type)



Circuits	Normal type Model No.		Dimensions mm(in.)		Qty / box	
	Top entry type (with a boss)	Side entry type	A	B	Top entry type (with a boss)	Side entry type
2	B 2B-PH-KBL-H	S 2B-PH-KL	2.0(.079)	5.9(.232)	1,000	1,000
3	B 3B-PH-KBL-H	S 3B-PH-KL	4.0(.157)	7.9(.311)	1,000	1,000
4	B 4B-PH-KBL-H	S 4B-PH-KL	6.0(.236)	9.9(.390)	1,000	500
5	B 5B-PH-KBL-H	S 5B-PH-KL	8.0(.315)	11.9(.469)	1,000	500
6	B 6B-PH-KBL-H	S 6B-PH-KL	10.0(.394)	13.9(.547)	1,000	500
7	B 7B-PH-KBL-H	S 7B-PH-KL	12.0(.472)	15.9(.626)	500	500
8	B 8B-PH-KBL-H	S 8B-PH-KL	14.0(.551)	17.9(.705)	500	250
9	B 9B-PH-KBL-H	S 9B-PH-KL	16.0(.630)	19.9(.783)	500	250
10	B10B-PH-KBL-H	S10B-PH-KL	18.0(.709)	21.9(.862)	500	250
11	B11B-PH-KBL-H	S11B-PH-KL	20.0(.787)	23.9(.941)	500	250
12	B12B-PH-KBL-H	S12B-PH-KL	22.0(.866)	25.9(1.020)	500	250
13	B13B-PH-KBL-H	S13B-PH-KL	24.0(.945)	27.9(1.098)	250	250
14	B14B-PH-KBL-H	S14B-PH-KL	26.0(1.024)	29.9(1.177)	250	200
15	B15B-PH-KBL-H	S15B-PH-KL	28.0(1.102)	31.9(1.256)	250	200
16	B16B-PH-KBL-H	S16B-PH-KL	30.0(1.181)	33.9(1.335)	250	200

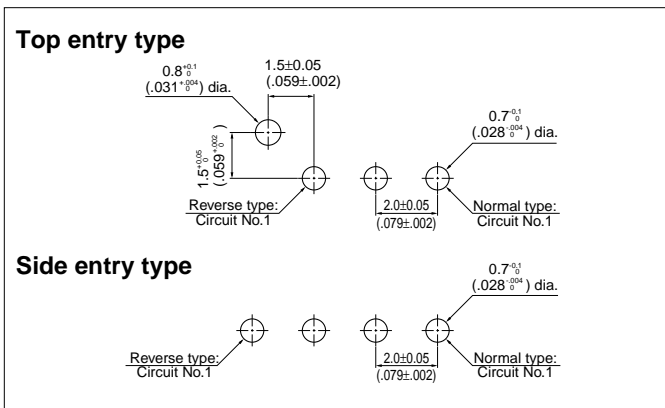
Circuits	Reverse type Model No.		Dimensions mm(in.)		Qty / box	
	Top entry type (with a boss)	Side entry type	A	B	Top entry type (with a boss)	Side entry type
2	B 2B-PH-KBLC-H	S 2B-PH-KLC-H	2.0(.079)	5.9(.232)	1,000	1,000
3	B 3B-PH-KBLC-H	S 3B-PH-KLC-H	4.0(.157)	7.9(.311)	1,000	1,000
4	B 4B-PH-KBLC-H	S 4B-PH-KLC-H	6.0(.236)	9.9(.390)	1,000	500
5	B 5B-PH-KBLC-H	S 5B-PH-KLC-H	8.0(.315)	11.9(.469)	1,000	500
6	B 6B-PH-KBLC-H	S 6B-PH-KLC-H	10.0(.394)	13.9(.547)	1,000	500
7	B 7B-PH-KBLC-H	S 7B-PH-KLC-H	12.0(.472)	15.9(.626)	500	500
8	B 8B-PH-KBLC-H	S 8B-PH-KLC-H	14.0(.551)	17.9(.705)	500	250
9	B 9B-PH-KBLC-H	S 9B-PH-KLC-H	16.0(.630)	19.9(.783)	500	250
10	B10B-PH-KBLC-H	S10B-PH-KLC-H	18.0(.709)	21.9(.862)	500	250
11	B11B-PH-KBLC-H	S11B-PH-KLC-H	20.0(.787)	23.9(.941)	500	250
12	B12B-PH-KBLC-H	S12B-PH-KLC-H	22.0(.866)	25.9(1.020)	500	250
13	B13B-PH-KBLC-H	S13B-PH-KLC-H	24.0(.945)	27.9(1.098)	250	250
14	B14B-PH-KBLC-H	S14B-PH-KLC-H	26.0(1.024)	29.9(1.177)	250	200
15	B15B-PH-KBLC-H	S15B-PH-KLC-H	28.0(1.102)	31.9(1.256)	250	200
16	B16B-PH-KBLC-H	S16B-PH-KLC-H	30.0(1.181)	33.9(1.335)	250	200

### Material and Finish

Pin: Copper alloy, copper-undercoated, tin/lead-plated (reflow)  
Wafer: Nylon 66, UL94V-0, gray

Note: Top entry type headers without boss are also available.

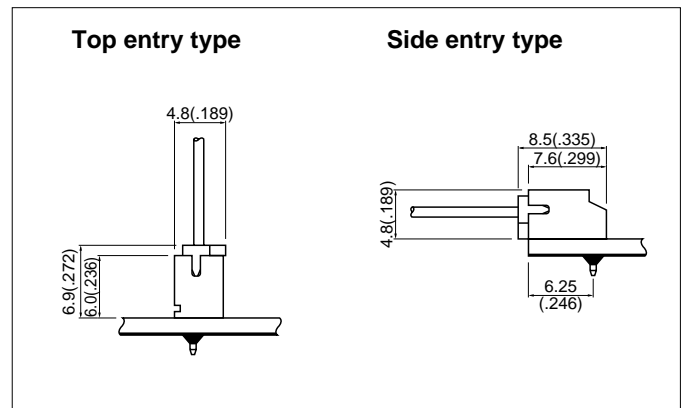
## PC board layout (viewed from component side)



Note:

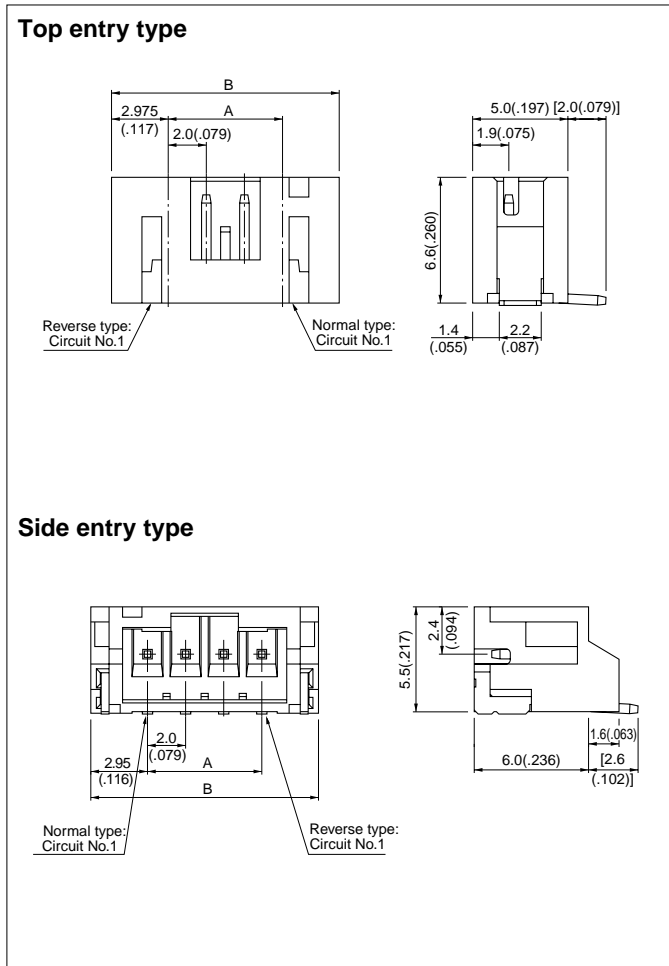
1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm 0.002''$ ) for all centers.
2. Hole dimensions differ according to the kind of PC board and piercing method. The dimensions above should serve as a guideline. Contact JST for details.

## Assembly layout



# KR FAMILY SERIES CONNECTOR

## Single-row shrouded header (SMT type)



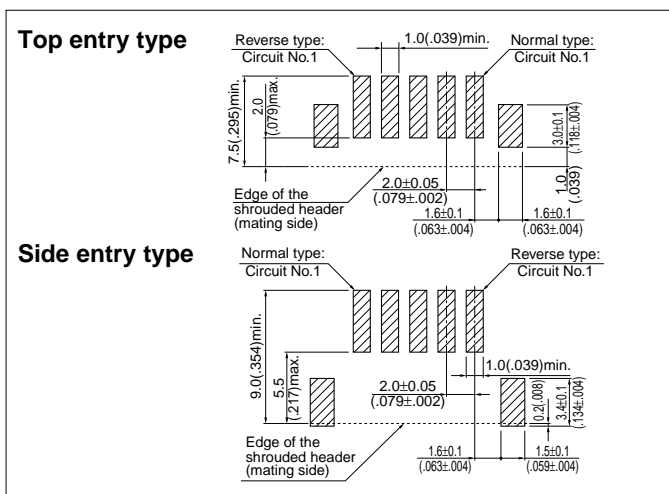
Circuits	Normal type Model No.		Dimensions mm(in.)		Q'ty / reel
	Top entry type	Side entry type	A	B	
2	B 2B-PH-SM3-TB	S 2B-PH-SM3-TB	2.0 (.079)	7.9 (.311)	1,000
3	B 3B-PH-SM3-TB	S 3B-PH-SM3-TB	4.0 (.157)	9.9 (.390)	1,000
4	B 4B-PH-SM3-TB	S 4B-PH-SM3-TB	6.0 (.236)	11.9 (.469)	1,000
5	B 5B-PH-SM3-TB	S 5B-PH-SM3-TB	8.0 (.315)	13.9 (.547)	1,000
6	B 6B-PH-SM3-TB	S 6B-PH-SM3-TB	10.0 (.394)	15.9 (.626)	1,000
7	B 7B-PH-SM3-TB	S 7B-PH-SM3-TB	12.0 (.472)	17.9 (.705)	1,000
8	B 8B-PH-SM3-TB	S 8B-PH-SM3-TB	14.0 (.551)	19.9 (.783)	1,000
9	B 9B-PH-SM3-TB	S 9B-PH-SM3-TB	16.0 (.630)	21.9 (.862)	1,000
10	B10B-PH-SM3-TB	S10B-PH-SM3-TB	18.0 (.709)	23.9 (.941)	1,000
11	B11B-PH-SM3-TB	S11B-PH-SM3-TB	20.0 (.787)	25.9 (1.020)	1,000
12	B12B-PH-SM3-TB	S12B-PH-SM3-TB	22.0 (.866)	27.9 (1.098)	1,000
13	B13B-PH-SM3-TB	S13B-PH-SM3-TB	24.0 (.945)	29.9 (1.177)	1,000
14	B14B-PH-SM3-TB	S14B-PH-SM3-TB	26.0 (1.024)	31.9 (1.256)	1,000
15	B15B-PH-SM3-TB	S15B-PH-SM3-TB	28.0 (1.102)	33.9 (1.335)	1,000
16	B16B-PH-SM3-TB	—	30.0 (1.181)	35.9 (1.413)	1,000

Circuits	Reverse type Model No.		Dimensions mm(in.)		Q'ty / reel
	Top entry type	Side entry type	A	B	
2	B 2B-PH-SM3C-TB	S 2B-PH-SM3C-TB	2.0 (.079)	7.9 (.311)	1,000
3	B 3B-PH-SM3C-TB	S 3B-PH-SM3C-TB	4.0 (.157)	9.9 (.390)	1,000
4	B 4B-PH-SM3C-TB	S 4B-PH-SM3C-TB	6.0 (.236)	11.9 (.469)	1,000
5	B 5B-PH-SM3C-TB	S 5B-PH-SM3C-TB	8.0 (.315)	13.9 (.547)	1,000
6	B 6B-PH-SM3C-TB	S 6B-PH-SM3C-TB	10.0 (.394)	15.9 (.626)	1,000
7	B 7B-PH-SM3C-TB	S 7B-PH-SM3C-TB	12.0 (.472)	17.9 (.705)	1,000
8	B 8B-PH-SM3C-TB	S 8B-PH-SM3C-TB	14.0 (.551)	19.9 (.783)	1,000
9	B 9B-PH-SM3C-TB	S 9B-PH-SM3C-TB	16.0 (.630)	21.9 (.862)	1,000
10	B10B-PH-SM3C-TB	S10B-PH-SM3C-TB	18.0 (.709)	23.9 (.941)	1,000
11	B11B-PH-SM3C-TB	S11B-PH-SM3C-TB	20.0 (.787)	25.9 (1.020)	1,000
12	B12B-PH-SM3C-TB	S12B-PH-SM3C-TB	22.0 (.866)	27.9 (1.098)	1,000
13	B13B-PH-SM3C-TB	S13B-PH-SM3C-TB	24.0 (.945)	29.9 (1.177)	1,000
14	B14B-PH-SM3C-TB	S14B-PH-SM3C-TB	26.0 (1.024)	31.9 (1.256)	1,000
15	B15B-PH-SM3C-TB	S15B-PH-SM3C-TB	28.0 (1.102)	33.9 (1.335)	1,000
16	B16B-PH-SM3C-TB	—	30.0 (1.181)	35.9 (1.413)	1,000

### Material and Finish

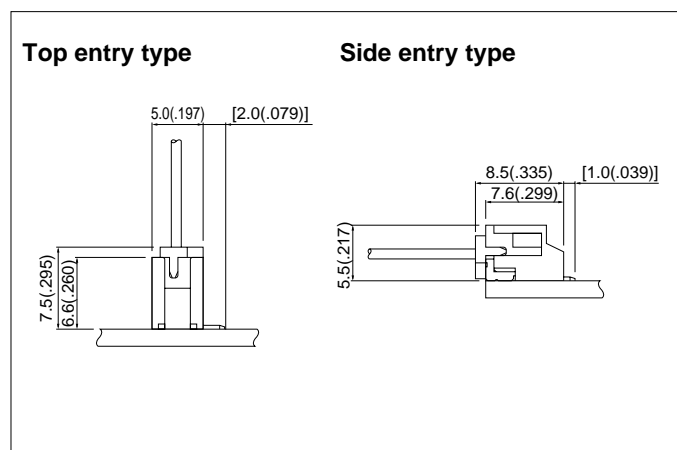
Pin: Copper alloy, copper-undercoated, tin/lead-plated  
Housing: Nylon 46, UL94V-0, ivory (natural)  
Solder tab: Brass, copper-undercoated, tin/lead-plated

## PC board layout (viewed from component side)



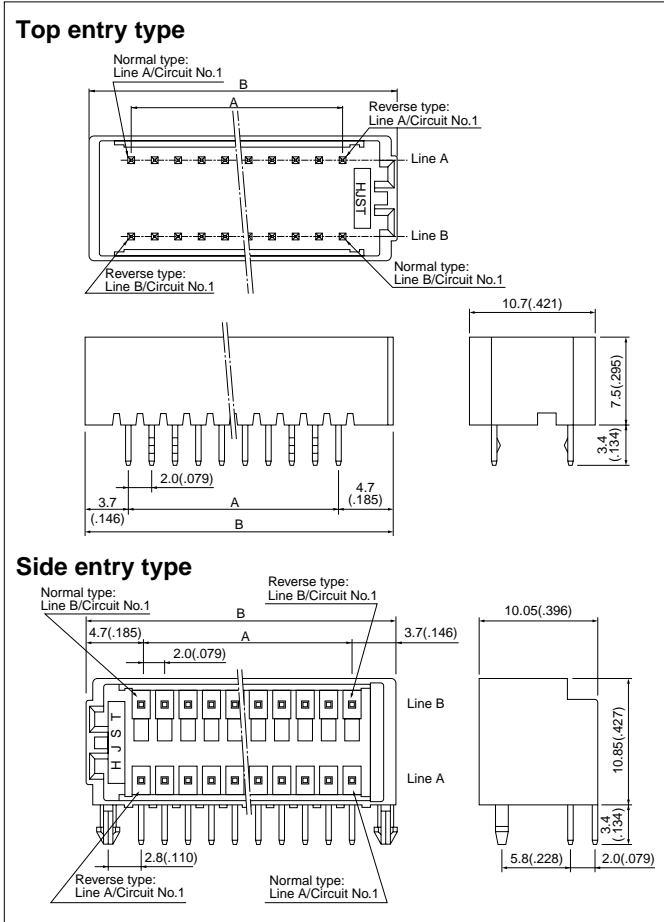
Note:  
1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm 0.002''$ ) for all centers.  
2. The dimensions above should serve as a guideline. Contact JST for details.

## Assembly layout



# KR FAMILY SERIES CONNECTOR

## Double-row shrouded Header



Circuits	Model No.				Dimensions mm(in.)		Q'ty / box	
	Normal type		Reverse type		A	B	Top entry type	Side entry type
	Top entry type	Side entry type	Top entry type	Side entry type				
10	B10B-KRWHK	—	B10B-KRWHK-C	—	8.0(.315)	16.4(.646)	416	—
12	B12B-KRWHK	—	B12B-KRWHK-C	—	10.0(.394)	18.4(.724)	384	—
14	B14B-KRWHK	—	B14B-KRWHK-C	—	12.0(.472)	20.4(.803)	352	—
16	B16B-KRWHK	S16B-KRWHS	B16B-KRWHK-C	S16B-KRWHS-C	14.0(.551)	22.4(.882)	320	280
18	B18B-KRWHK	S18B-KRWHS	B18B-KRWHK-C	S18B-KRWHS-C	16.0(.630)	24.4(.961)	288	252
20	B20B-KRWHK	S20B-KRWHS	B20B-KRWHK-C	S20B-KRWHS-C	18.0(.709)	26.4(1.039)	256	224
22	B22B-KRWHK	S22B-KRWHS	B22B-KRWHK-C	S22B-KRWHS-C	20.0(.787)	28.4(1.118)	224	196
24	B24B-KRWHK	S24B-KRWHS	B24B-KRWHK-C	S24B-KRWHS-C	22.0(.866)	30.4(1.197)	224	196
26	B26B-KRWHK	S26B-KRWHS	B26B-KRWHK-C	S26B-KRWHS-C	24.0(.945)	32.4(1.276)	192	168
28	B28B-KRWHK	S28B-KRWHS	B28B-KRWHK-C	S28B-KRWHS-C	26.0(1.024)	34.4(1.354)	192	168
30	B30B-KRWHK	S30B-KRWHS	B30B-KRWHK-C	S30B-KRWHS-C	28.0(1.102)	36.4(1.433)	192	168
32	B32B-KRWHK	S32B-KRWHS	B32B-KRWHK-C	S32B-KRWHS-C	30.0(1.181)	38.4(1.512)	160	140

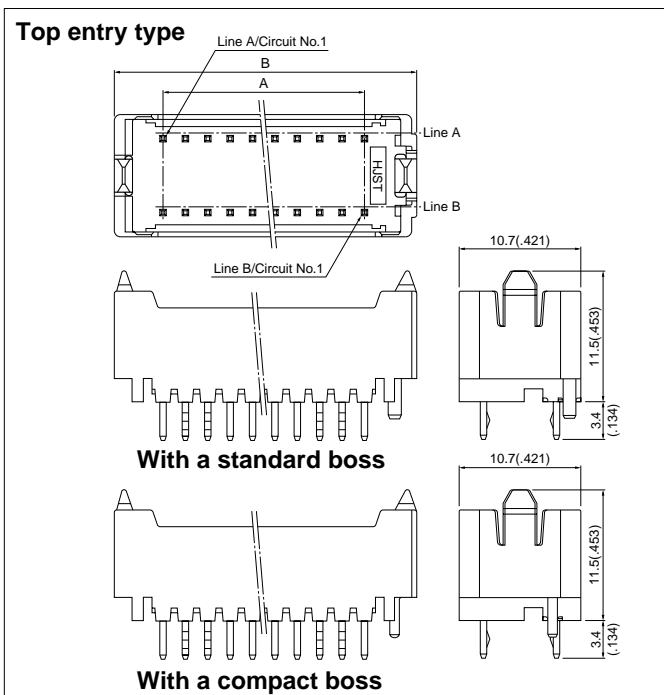
**Material and Finish**

Post: Copper alloy, copper-undercoated, tin/lead-plated  
Wafer: Nylon 66, UL94V-0, gray

**Note:**

1. Top entry type headers with bosses or without kinked tails are also available.
2. The products listed above are supplied packed in tray.

## Double-row shrouded Header (with locks)



Circuits	Model No.			Dimensions mm(in.)		Q'ty / box
	Top entry type			A	B	
	Without bosses	With a standard boss	With a compact boss			
10	B10B-KRWHK-F1	B10B-KRWHK-F1-1	B10B-KRWHK-F1-1D	8.0(.315)	17.0(.669)	364
12	B12B-KRWHK-F1	B12B-KRWHK-F1-1	B12B-KRWHK-F1-1D	10.0(.394)	19.0(.748)	308
14	B14B-KRWHK-F1	B14B-KRWHK-F1-1	B14B-KRWHK-F1-1D	12.0(.472)	21.0(.827)	280
16	B16B-KRWHK-F1	B16B-KRWHK-F1-1	B16B-KRWHK-F1-1D	14.0(.551)	23.0(.906)	252
18	B18B-KRWHK-F1	B18B-KRWHK-F1-1	B18B-KRWHK-F1-1D	16.0(.630)	25.0(.984)	252
20	B20B-KRWHK-F1	B20B-KRWHK-F1-1	B20B-KRWHK-F1-1D	18.0(.709)	27.0(1.063)	224
22	B22B-KRWHK-F1	B22B-KRWHK-F1-1	B22B-KRWHK-F1-1D	20.0(.787)	29.0(1.142)	196
24	B24B-KRWHK-F1	B24B-KRWHK-F1-1	B24B-KRWHK-F1-1D	22.0(.866)	31.0(1.220)	196
26	B26B-KRWHK-F1	B26B-KRWHK-F1-1	B26B-KRWHK-F1-1D	24.0(.945)	33.0(1.299)	168
28	B28B-KRWHK-F1	B28B-KRWHK-F1-1	B28B-KRWHK-F1-1D	26.0(1.024)	35.0(1.378)	168
30	B30B-KRWHK-F1	B30B-KRWHK-F1-1	B30B-KRWHK-F1-1D	28.0(1.102)	37.0(1.457)	168
32	B32B-KRWHK-F1	B32B-KRWHK-F1-1	B32B-KRWHK-F1-1D	30.0(1.181)	39.0(1.535)	140

**Material and Finish**

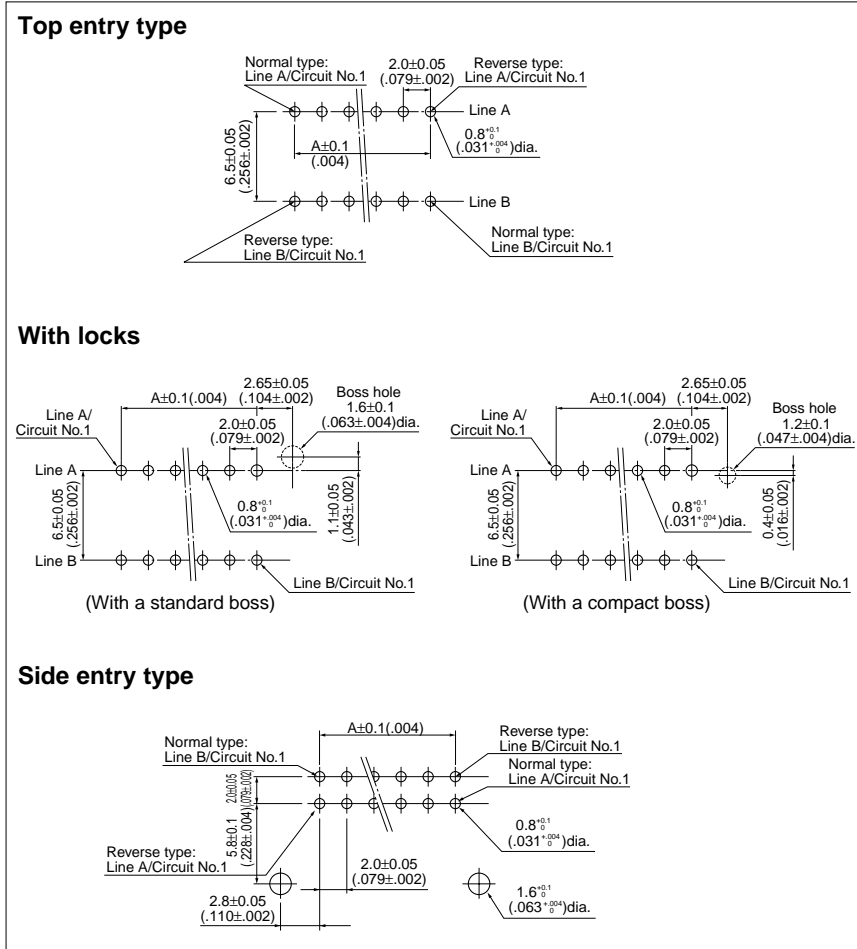
Post: Copper alloy, copper-undercoated, tin/lead-plated  
Wafer: Nylon 66, UL94V-0, gray

**Note:**

1. The products listed above are supplied packed in tray.
2. Not UL/CSA/TÜV approved.
3. The applicable holder is "KRWH-( )(-) (-) -1" only.

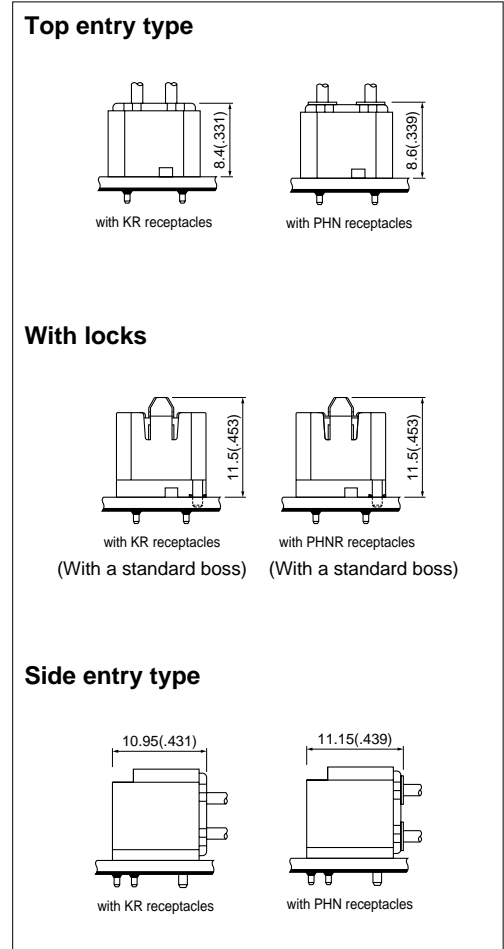
# KR FAMILY SERIES CONNECTOR

## PC board layout (viewed from component side)

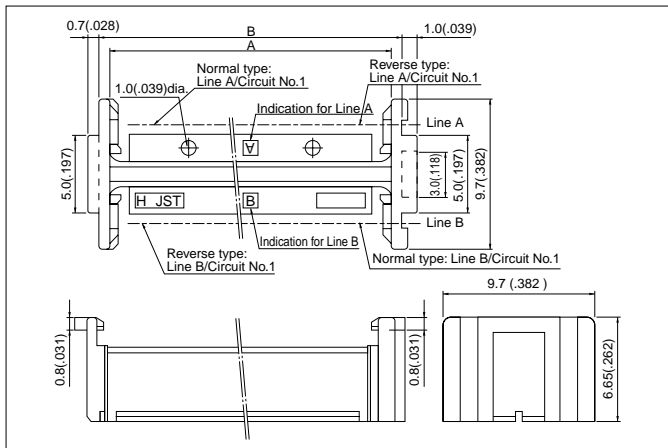


Note:  
 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm .002''$ ) for all centers.  
 2. Hole dimensions differ according to the kind of PC board and piercing method.  
 The dimensions above should serve as a guideline. Contact JST for details.

## Assembly layout



## KRW connector Holder



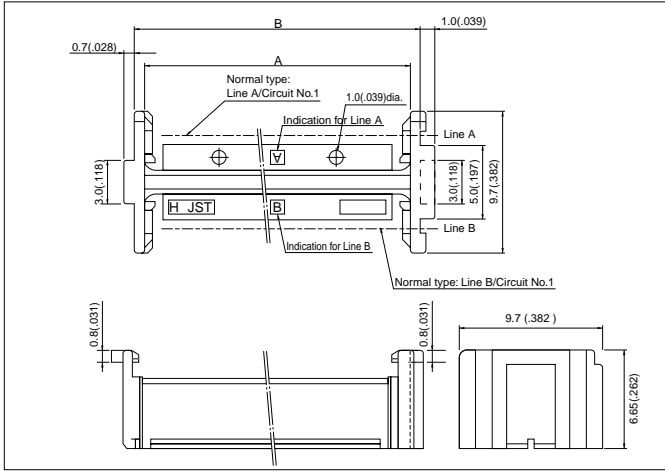
Circuits	Model No.		Dimensions mm(in.)	
	Normal type	Reverse type	A	B
10	KRWH-10-H	KRWH-10C-H	12.0(.472)	13.4(.528)
12	KRWH-12-H	KRWH-12C-H	14.0(.551)	15.4(.606)
14	KRWH-14-H	KRWH-14C-H	16.0(.630)	17.4(.685)
16	KRWH-16-H	KRWH-16C-H	18.0(.709)	19.4(.764)
18	KRWH-18-H	KRWH-18C-H	20.0(.787)	21.4(.843)
20	KRWH-20-H	KRWH-20C-H	22.0(.866)	23.4(.921)
22	KRWH-22-H	KRWH-22C-H	24.0(.945)	25.4(1.000)
24	KRWH-24-H	KRWH-24C-H	26.0(1.024)	27.4(1.079)
26	KRWH-26-H	KRWH-26C-H	28.0(1.102)	29.4(1.157)
28	KRWH-28-H	KRWH-28C-H	30.0(1.181)	31.4(1.236)
30	KRWH-30-H	KRWH-30C-H	32.0(1.260)	33.4(1.315)
32	KRWH-32-H	KRWH-32C-H	34.0(1.339)	35.4(1.394)

### Material

Nylon 66, UL94V-0, gray

# KR FAMILY SERIES CONNECTOR

## KRW connector Holder (for header with locks)



Circuits	Model No.	Dimensions mm(in.)	
		A	B
10	KRWH-10-H-1	12.0(.472)	13.4(.528)
12	KRWH-12-H-1	14.0(.551)	15.4(.606)
14	KRWH-14-H-1	16.0(.630)	17.4(.685)
16	KRWH-16-H-1	18.0(.709)	19.4(.764)
18	KRWH-18-H-1	20.0(.787)	21.4(.843)
20	KRWH-20-H-1	22.0(.866)	23.4(.921)
22	KRWH-22-H-1	24.0(.945)	25.4(1.000)
24	KRWH-24-H-1	26.0(1.024)	27.4(1.079)
26	KRWH-26-H-1	28.0(1.102)	29.4(1.157)
28	KRWH-28-H-1	30.0(1.181)	31.4(1.236)
30	KRWH-30-H-1	32.0(1.260)	33.4(1.315)
32	KRWH-32-H-1	34.0(1.339)	35.4(1.394)

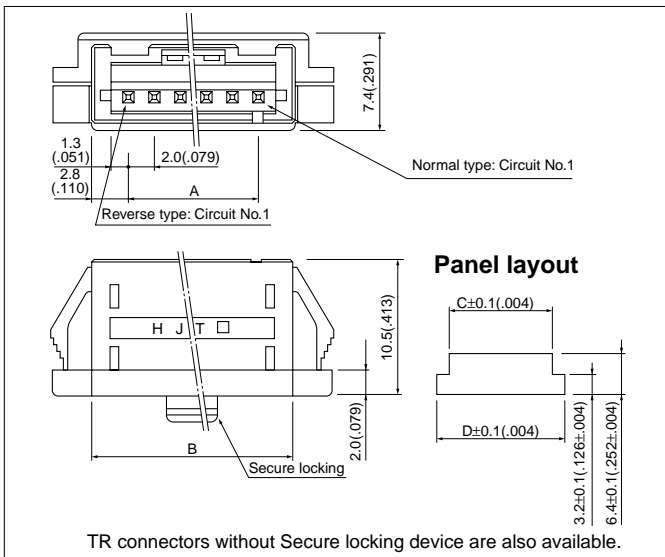
### Material

Nylon 66, UL94V-0, gray

### Note:

1. Not UL/CSA/TÜV approved.
2. The applicable header is "B( )B-KRW( )K-F1-( )" only.

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



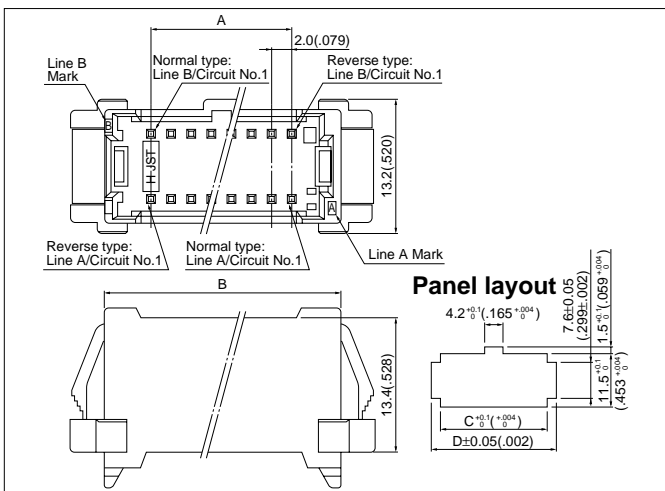
TR connectors without Secure locking device are also available.

Circuits	Model No.		Dimensions mm(in.)			
	Normal type	Reverse type	A	B	C	D
2	BU02P-TR-P-H	BU02P-TR-PC-H	2.0(.079)	7.6(.299)	7.9(.311)	11.6(.457)
3	BU03P-TR-P-H	BU03P-TR-PC-H	4.0(.157)	9.6(.378)	9.9(.390)	13.6(.535)
4	BU04P-TR-P-H	BU04P-TR-PC-H	6.0(.236)	11.6(.457)	11.9(.469)	15.6(.614)
5	BU05P-TR-P-H	BU05P-TR-PC-H	8.0(.315)	13.6(.535)	13.9(.547)	17.6(.693)
6	BU06P-TR-P-H	BU06P-TR-PC-H	10.0(.394)	15.6(.614)	15.9(.626)	19.6(.772)
7	BU07P-TR-P-H	BU07P-TR-PC-H	12.0(.472)	17.6(.693)	18.0(.709)	21.6(.850)
8	BU08P-TR-P-H	BU08P-TR-PC-H	14.0(.551)	19.6(.772)	20.0(.787)	23.6(.929)
9	BU09P-TR-P-H	BU09P-TR-PC-H	16.0(.630)	21.6(.850)	22.0(.866)	25.6(1.008)
10	BU10P-TR-P-H	BU10P-TR-PC-H	18.0(.709)	23.6(.929)	24.0(.945)	27.6(1.087)
11	BU11P-TR-P-H	BU11P-TR-PC-H	20.0(.787)	25.6(1.008)	26.0(1.024)	29.6(1.165)
12	BU12P-TR-P-H	BU12P-TR-PC-H	22.0(.866)	27.6(1.087)	28.0(1.102)	31.6(1.244)
13	BU13P-TR-P-H	BU13P-TR-PC-H	24.0(.945)	29.6(1.165)	30.0(1.181)	33.6(1.323)
14	BU14P-TR-P-H	BU14P-TR-PC-H	26.0(1.024)	31.6(1.244)	32.0(1.260)	35.6(1.402)
15	BU15P-TR-P-H	BU15P-TR-PC-H	28.0(1.102)	33.6(1.323)	34.0(1.339)	37.6(1.480)
16	BU16P-TR-P-H	BU16P-TR-PC-H	30.0(1.181)	35.6(1.402)	36.0(1.417)	39.6(1.559)

### Material and Finish

Post: Copper alloy, copper-undercoated, tin/lead-plated  
Housing: Nylon 66, UL94V-0, gray

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



Circuits	Model No.		Dimensions mm(in.)			
	Normal type	Reverse type	A	B	C	D
16	BU16P-TRW-P-H	BU16P-TRW-PC-H	14.0(.551)	23.5(.925)	23.9(.941)	27.5(1.083)
18	BU18P-TRW-P-H	BU18P-TRW-PC-H	16.0(.630)	25.5(1.004)	25.9(1.020)	29.5(1.161)
20	BU20P-TRW-P-H	BU20P-TRW-PC-H	18.0(.709)	27.5(1.083)	27.9(1.098)	31.5(1.240)
22	BU22P-TRW-P-H	BU22P-TRW-PC-H	20.0(.787)	29.5(1.161)	29.9(1.177)	33.5(1.319)
24	BU24P-TRW-P-H	BU24P-TRW-PC-H	22.0(.866)	31.5(1.240)	31.9(1.256)	35.5(1.398)
26	BU26P-TRW-P-H	BU26P-TRW-PC-H	24.0(.945)	33.5(1.319)	33.9(1.335)	37.5(1.476)
28	BU28P-TRW-P-H	BU28P-TRW-PC-H	26.0(1.024)	35.5(1.398)	35.9(1.413)	39.5(1.555)
30	BU30P-TRW-P-H	BU30P-TRW-PC-H	28.0(1.102)	37.5(1.476)	37.9(1.492)	41.5(1.634)
32	BU32P-TRW-P-H	BU32P-TRW-PC-H	30.0(1.181)	39.5(1.555)	39.9(1.571)	43.5(1.713)

### Material and Finish

Post: Copper alloy, copper-undercoated, tin/lead-plated  
Housing: Nylon 66, UL94V-0