

1  
RoHS Compliance

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A

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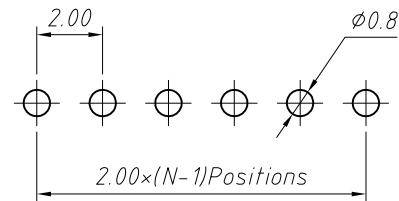
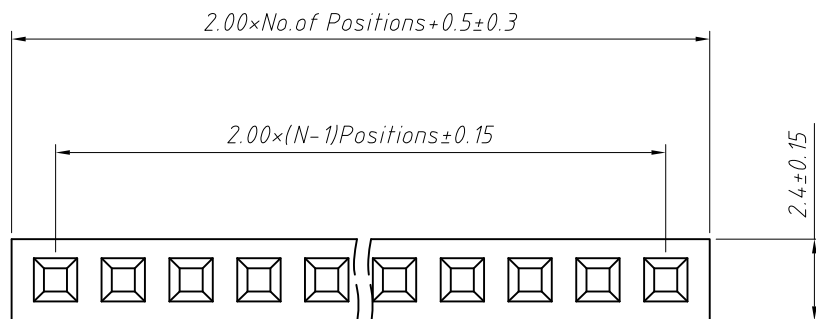
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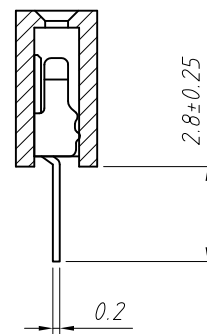
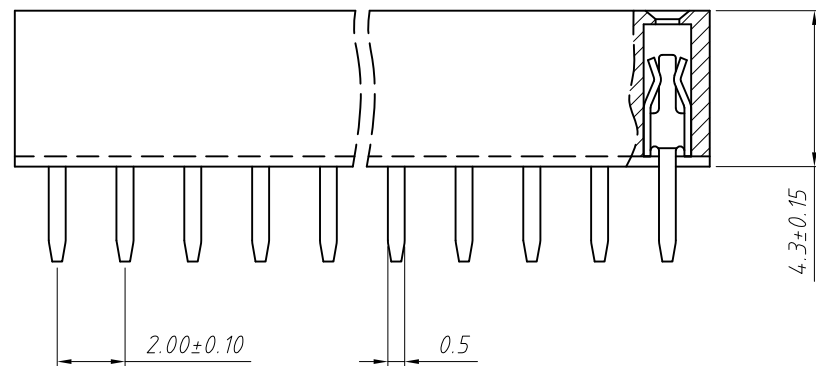
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Recommended P.C.B Layout( Top Side)  
(PCB BOARD TOLERANCE ± 0.05)



Material:

Standard: PBT/PA6T

Contact: Brass

Plating: Au or Sn Over Ni

Insulator: Polyester, UL 94V-0

Electrical Characteristics:

Rated Current: 1.5AMP

Contact Resistance: 20mΩ Max

Withstand Voltage: 500V AC/DC

Insulator Resistance: 1000MΩ Min

Mechanical

Operating Temperature: -40°C ~ +105°C

Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)

Order Information:

L-KLS1-208B-4.3-1-XX-S-B

L: RoHS

Female Header

Series 208B: 2.00mm

Plastics Height: 4.3mm

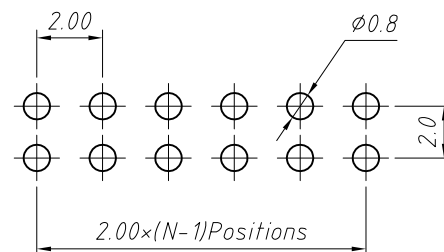
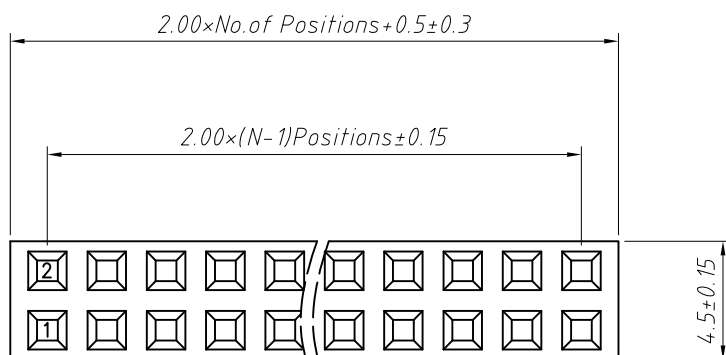
Per Row: Single layer

Pin: No. of Pins (1x40)

Type: Straight Pin

Material: A=PBT B=PA6T C=LCP

| ANGLE TOLERANCE   |       | PROJECTION |        | Description:                                                   |                                |
|-------------------|-------|------------|--------|----------------------------------------------------------------|--------------------------------|
| ±3°               |       |            |        | 2.0x4.3mm Female Header<br>Single layer, Straight Pin, 1xN Pin |                                |
| GENERAL TOLERANCE |       | UNITS      | mm     | KLS P/N:                                                       |                                |
| x.x               | ±0.30 | SHEET SIZE | A4     | L-KLS1-208B-4.3-1-XX-S-B                                       |                                |
| x.xx              | ±0.20 | Draw:      | Daniel | 2018-07-10                                                     | NingBo KLS ELECTRONIC CO.,LTD. |
| x.xxx             | ±0.10 | Check:     | Daniel | 2018-07-10                                                     |                                |

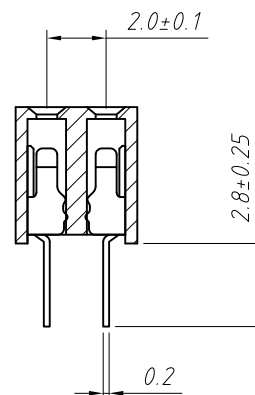
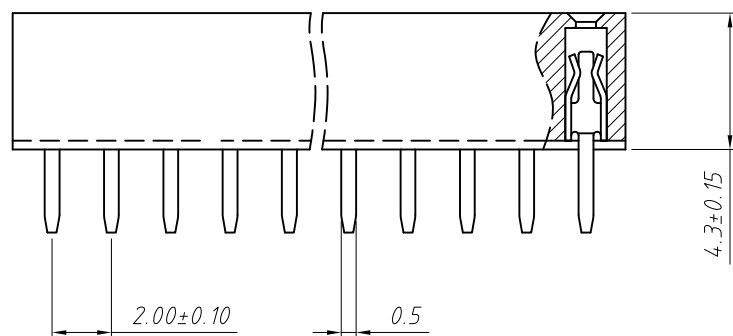


Recommended P.C.B Layout( Top Side)  
(PCB BOARD TOLERANCE±0.05)

Material:  
Standard:PBT/PA6T  
Contact:Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL 94 V-0

Electrical Characteristics:  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

Mechanical  
Operating Temperature: -40°C ~ +105°C  
Max.Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)



Order Information:  
L-KLS1-208B-4.3-2-XX-S-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Double layer  
Pin: No. of Pins (2x40)  
Type: Straight Pin  
Material: A=PBT B=PA6T C=LCP

| ANGLE TOLERANCE   |       | PROJECTION |        | Description:                                                   |                                 |
|-------------------|-------|------------|--------|----------------------------------------------------------------|---------------------------------|
| ±3°               |       |            |        | 2.0x4.3mm Female Header<br>Double layer, Straight Pin, 2xN Pin |                                 |
| GENERAL TOLERANCE |       | UNITS      | mm     | KLS P/N:                                                       |                                 |
| x.x               | ±0.30 | SHEET SIZE | A4     | L-KLS1-208B-4.3-2-XX-S-B                                       |                                 |
| x.xx              | ±0.20 | Draw:      | Daniel | 2018-07-10                                                     | NingBo KLS ELECTRONIC CO.,L TD. |
| x.xxx             | ±0.10 | Check:     | Daniel | 2018-07-10                                                     |                                 |

1  
RoHS Compliance

2

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A

A

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E

E

F

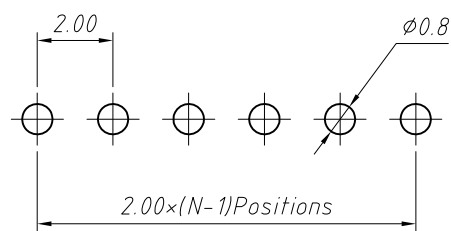
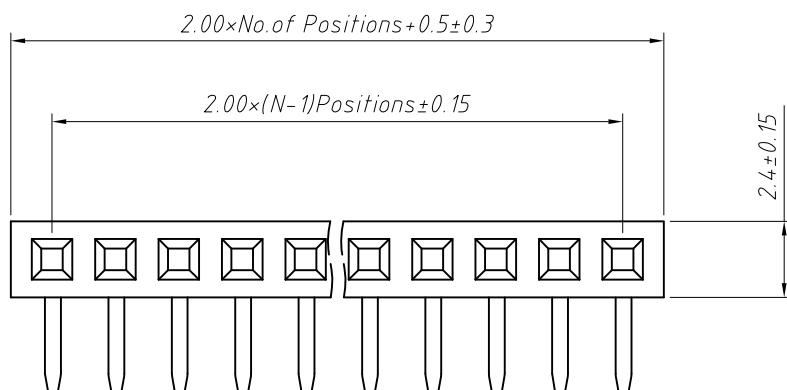
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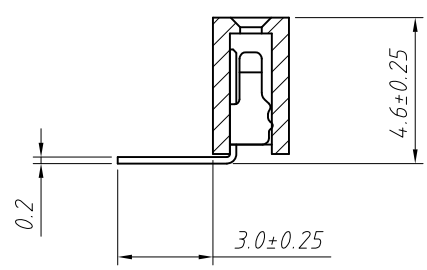
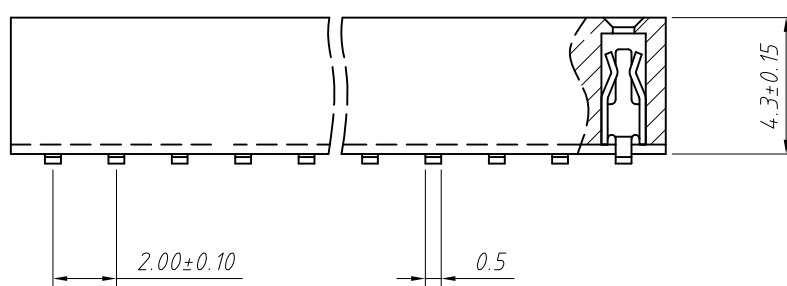
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Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ± 0.05)



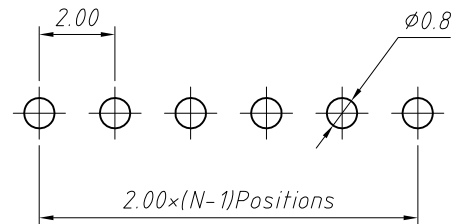
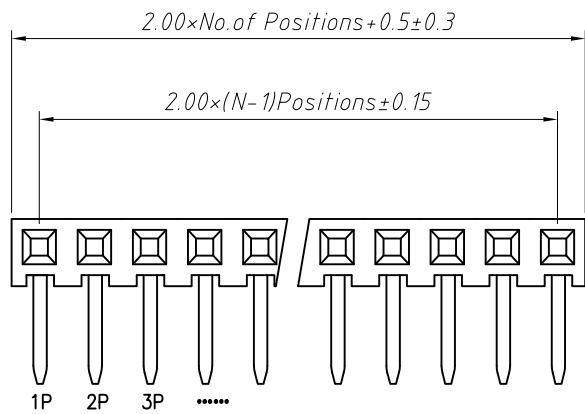
Material:  
Standard: PBT/PA6T  
Contact: Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL94V-0

Electrical Characteristics:  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

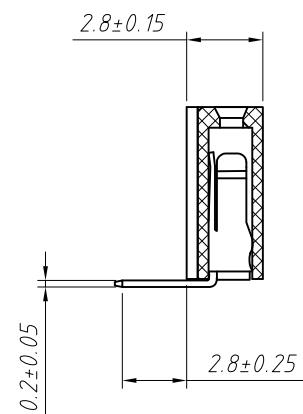
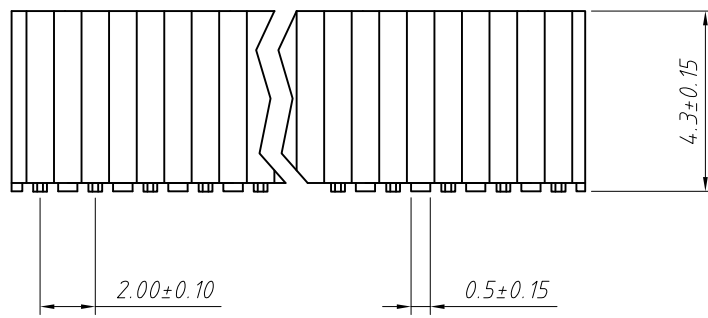
Mechanical  
Operating Temperature: -40°C ~ +105°C  
Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)

Order Information:  
L-KLS1-208B-4.3-1-XX-R1-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Single layer  
Pin: No. of Pins (1x40)  
Right Angle Pin: R1 Type  
Material: A=PBT B=PA6T C=LCP

| ANGLE TOLERANCE   |       | PROJECTION |        | Description:                                                      |                                |
|-------------------|-------|------------|--------|-------------------------------------------------------------------|--------------------------------|
| ±3°               |       |            |        | 2.0x4.3mm Female Header<br>Single layer, Right Angle Pin, 1xN Pin |                                |
| GENERAL TOLERANCE |       | UNITS      | mm     | KLS P/N:                                                          |                                |
| x.x               | ±0.30 | SHEET SIZE | A4     | L-KLS1-208B-4.3-1-XX-R1-B                                         |                                |
| x.xx              | ±0.20 | Draw:      | Daniel | 2018-07-10                                                        | NingBo KLS ELECTRONIC CO.,LTD. |
| x.xxx             | ±0.10 | Check:     | Daniel | 2018-07-10                                                        |                                |



Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE  $\pm 0.05$ )



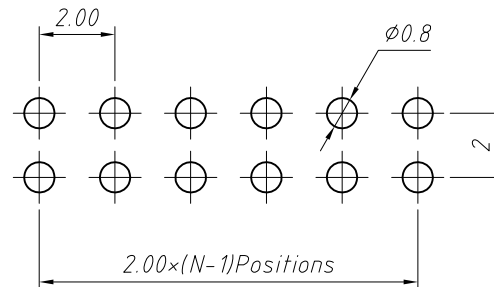
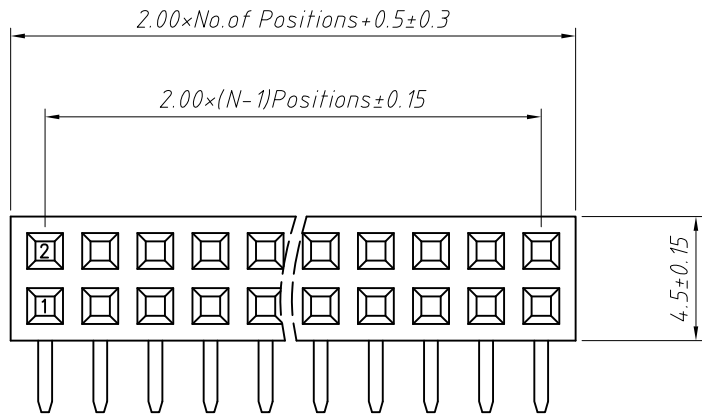
Material:  
Standard: PBT/PA6T  
Contact: Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL94V-0

Electrical Characteristics:  
Rated Current: 1.5AMP  
Contact Resistance:  $20m\Omega$  Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance:  $1000M\Omega$  Min

Mechanical  
Operating Temperature:  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$   
Max. Processing Temp:  $230^{\circ}\text{C}$  for 30-60 seconds ( $260^{\circ}\text{C}$  for 10 seconds)

Order Information:  
L-KLS1-208B-4.3-1-XX-R2-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Single layer  
Pin: No. of Pins (1x40)  
Right Angle Pin: R2 Type  
Material: A=PBT B=PA6T C=LCP

| ANGLE TOLERANCE   | PROJECTION | Description:                                                      |
|-------------------|------------|-------------------------------------------------------------------|
| $\pm 3^{\circ}$   |            | 2.0x4.3mm Female Header<br>Single layer, Right Angle Pin, 1xN Pin |
| GENERAL TOLERANCE | UNITS      | mm                                                                |
| x.x $\pm 0.30$    | SHEET SIZE | A4                                                                |
| x.xx $\pm 0.20$   | Draw:      | Daniel                                                            |
| x.xxx $\pm 0.10$  | Check:     | Daniel                                                            |
|                   |            | KLS P/N: L-KLS1-208B-4.3-1-XX-R2-B                                |
|                   |            | NingBo KLS ELECTRONIC CO.,LTD.                                    |



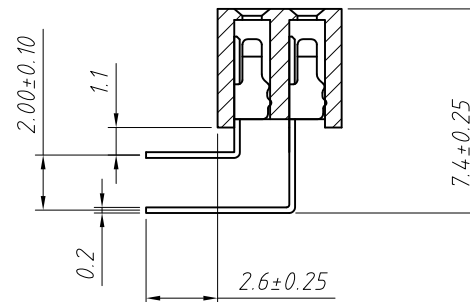
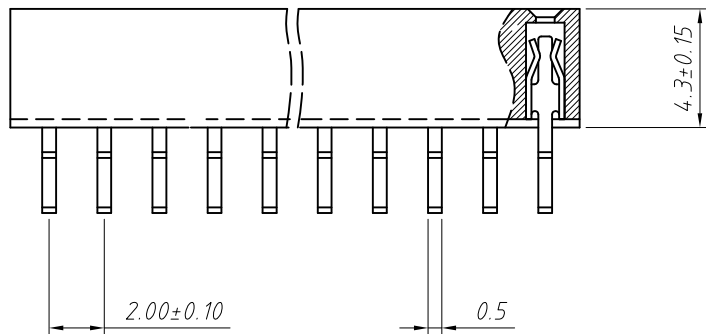
Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ±0.05)

**Material:**  
Standard: PBT/PA6T  
Contact: Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL94V-0

**Electrical Characteristics:**  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

**Mechanical**  
Operating Temperature: -40°C ~ +105°C  
Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)

**Order Information:**  
L-KLS1-208B-4.3-2-XX-R-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Double layer  
Pin: No. of Pins (2x40)  
Type: Right Angle Pin  
Material: A=PBT B=PA6T C=LCP

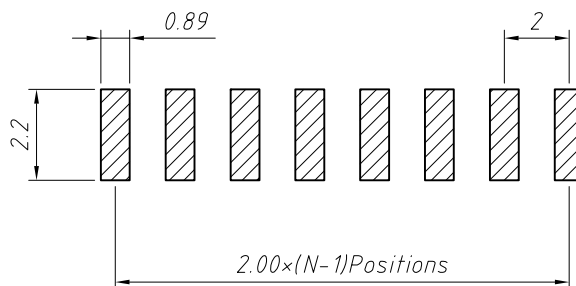
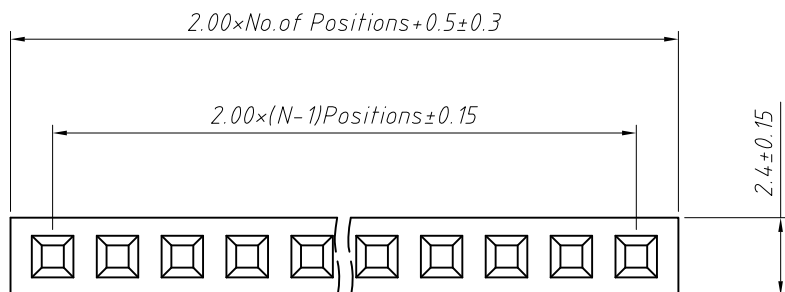


| ANGLE TOLERANCE   | PROJECTION | Description:                                                      |
|-------------------|------------|-------------------------------------------------------------------|
| ±3°               |            | 2.0x4.3mm Female Header<br>Double layer, Right Angle Pin, 2xN Pin |
| GENERAL TOLERANCE | UNITS      | mm                                                                |
| x.x ±0.30         | SHEET SIZE | A4                                                                |
| x.xx ±0.20        | Draw:      | Daniel                                                            |
| x.xxx ±0.10       | Check:     | Daniel                                                            |
|                   |            | 2018-07-10                                                        |
|                   |            | 2018-07-10                                                        |

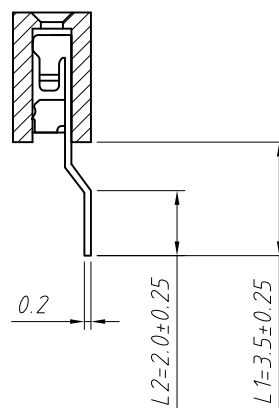
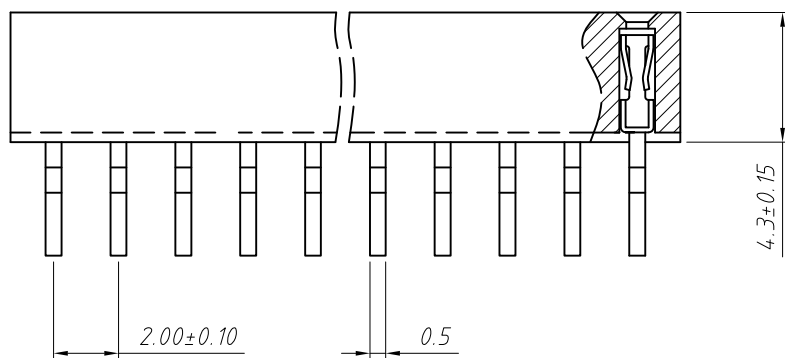


NingBo KLS ELECTRONIC CO.,LTD.

RoHS Compliance



Recommended P.C.B Layout(Top Side)  
(PCB BOARD TOLERANCE±0.05)



Material:

Standard:PA6T

Contact:Phosphor Bronze

Plating: Au or Sn Over Ni

Insulator:Polyester,UL94V-0

Electrical Characteristics:

Rated Current: 15AMP

Contact Resistance: 20mΩ Max

Withstand Voltage: 500V AC/DC

Insulator Resistance: 1000MΩ Min

Mechanical

Operating Temperature: -40°C ~ +105°C

Max.Processing Temp:230°C for 30-60  
seconds (260°C for 10 seconds)

Order Information:

L-KLS1-208B-4.3-1-XX-RM-L1xL2-N-B-R

L: RoHS

Female Header

Series 208B:2.00mm

Plastics Height:4.3mm

Per Row:Single layer

Pin: No. of Pins (1x40)

SMT Type:Horizontal SMT

Size:L1xL2

Post:W=With Post N=Without Post

Material:A=PBT B=PA6T C=LCP

Packing:

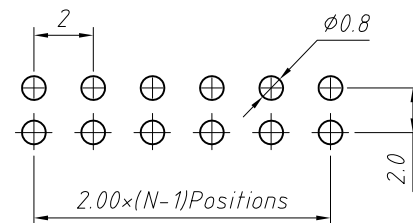
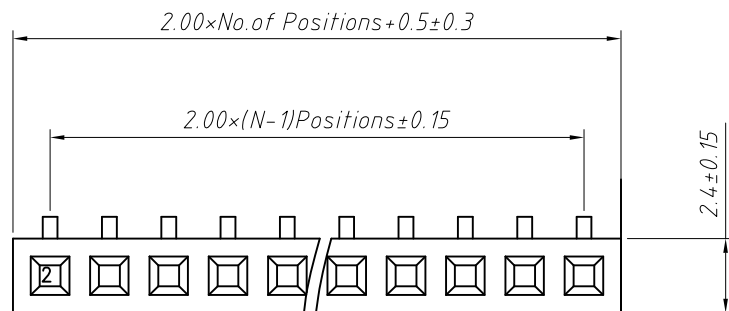
A=Tray T=Tube M=Reel+Mylar

P=Tube+Cap R=Reel+Cap

Dimension antitheses list (mm)

| ITEM        | L1   | L2   | Plastic Height |
|-------------|------|------|----------------|
| Standard    | 3.50 | 2.00 | 4.30           |
| Nonstandard | ---  | ---  | ---            |

| ANGLE TOLERANCE   |       | PROJECTION |        | Description:                        |                                 |
|-------------------|-------|------------|--------|-------------------------------------|---------------------------------|
| ±3°               |       |            |        | 2.0x4.3mm Female Header             |                                 |
|                   |       |            |        | Single layer,Horizontal SMT,1xN Pin |                                 |
| GENERAL TOLERANCE |       | UNITS      | mm     | KLS P/N:                            |                                 |
| x.x               | ±0.30 | SHEET SIZE | A4     | L-KLS1-208B-4.3-1-XX-RM-L1xL2-N-B-R |                                 |
| x.xx              | ±0.20 | Draw:      | Daniel | 2018-07-10                          | NingBo KLS ELECTRONIC CO.,L TD. |
| x.xxx             | ±0.10 | Check:     | Daniel | 2018-07-10                          |                                 |

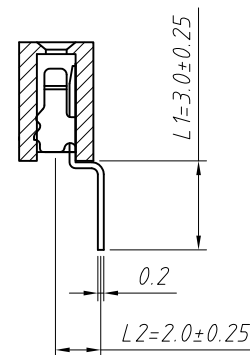
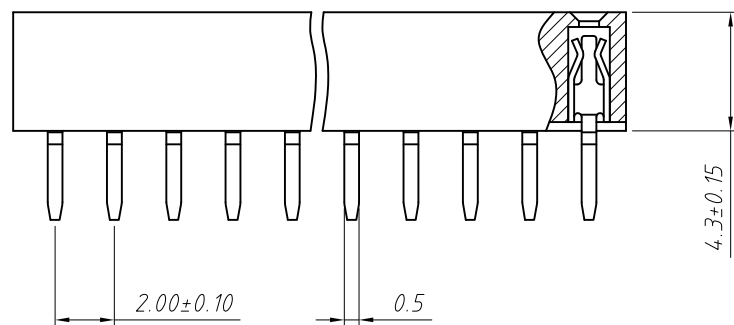


Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ± 0.05)

**Material:**  
Standard: PBT/PA6T  
Contact: Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL 94 V-0

**Electrical Characteristics:**  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

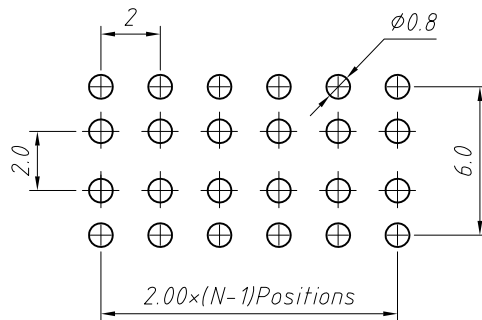
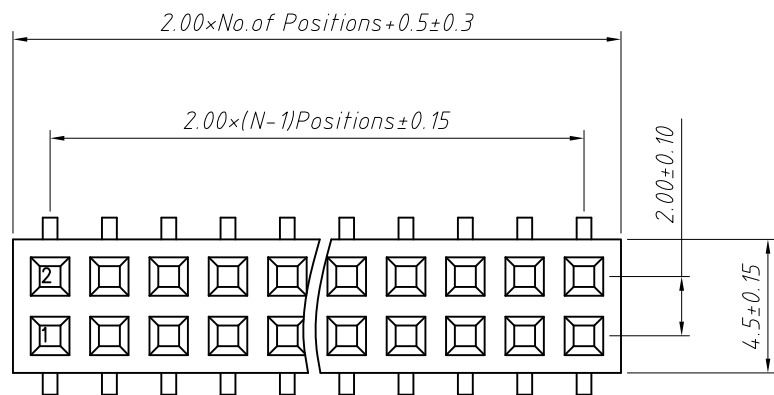
**Mechanical**  
Operating Temperature: -40°C ~ +105°C  
Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)



**Order Information:**  
L-KLS1-208B-4.3-1-XX-W-L1xL2-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Single layer  
Pin: No. of Pins (1x40)  
Type: Bottom Entry  
Size: L1xL2  
Material: A=PBT B=PA6T C=LCP

| Dimension antitheses list (mm) |      |      |                |
|--------------------------------|------|------|----------------|
| ITEM                           | L1   | L2   | Plastic Height |
| Standard                       | 3.00 | 2.00 | 4.30           |
| Nonstandard                    | ---  | ---  | ---            |

| ANGLE TOLERANCE   | PROJECTION | Description: | 2.0x4.3mm Female Header<br>Single layer, Bottom Entry, 1xN Pin |                                 |
|-------------------|------------|--------------|----------------------------------------------------------------|---------------------------------|
| ±3°               |            |              |                                                                |                                 |
| GENERAL TOLERANCE | UNITS      | mm           | KLS P/N:                                                       | L-KLS1-208B-4.3-1-XX-W-L1xL2-B  |
| x.x ±0.30         | SHEET SIZE | A4           |                                                                |                                 |
| x.xx ±0.20        | Draw:      | Daniel       | 2018-07-10                                                     | NingBo KLS ELECTRONIC CO.,L TD. |
| x.xxx ±0.10       | Check:     | Daniel       | 2018-07-10                                                     |                                 |



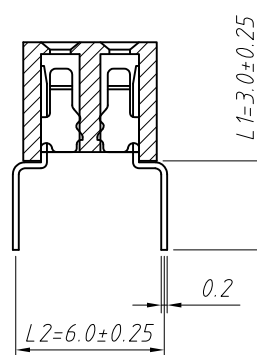
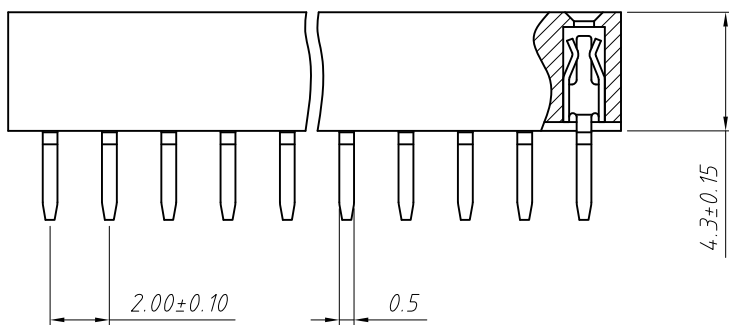
Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ± 0.05)

**Material:**  
Standard: PBT/PA6T  
Contact: Brass  
Plating: Au or Sn Over Ni  
Insulator: Polyester, UL 94 V-0

**Electrical Characteristics:**  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

**Mechanical**  
Operating Temperature: -40°C ~ +105°C  
Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)

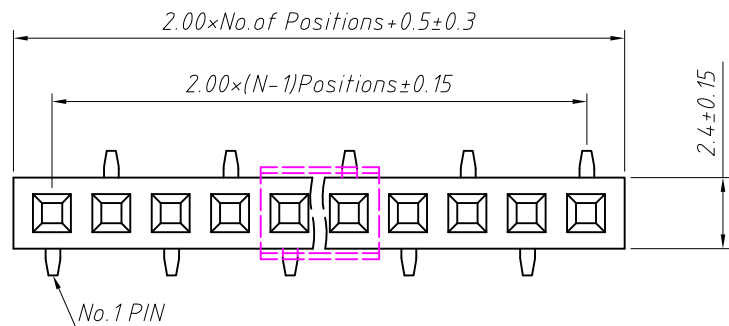
**Order Information:**  
L-KLS1-208B-4.3-2-XX-W-L1xL2-B  
L: RoHS  
Female Header  
Series 208B: 2.00mm  
Plastics Height: 4.3mm  
Per Row: Double layer  
Pin: No. of Pins (2x40)  
Type: Bottom Entry  
Size: L1xL2  
Material: A=PBT B=PA6T C=LCP



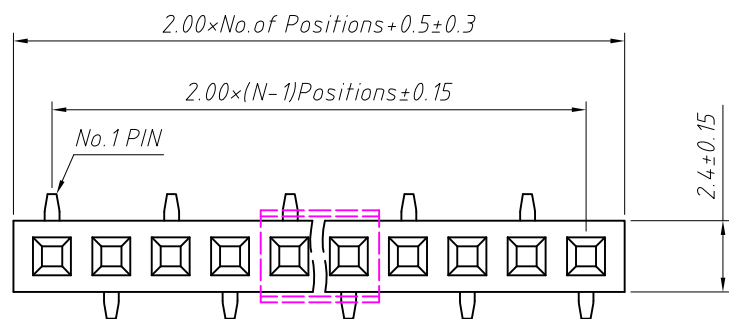
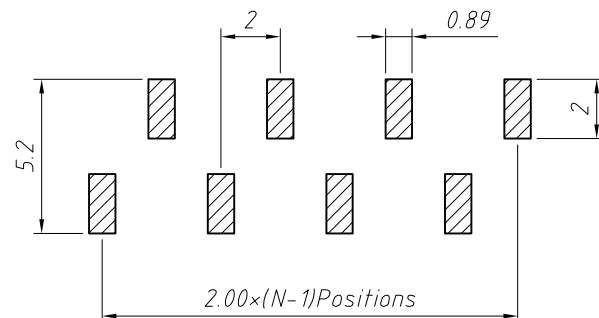
Dimension antitheses list (mm)

| ITEM        | L1   | L2   | Plastic Height |
|-------------|------|------|----------------|
| Standard    | 3.00 | 6.00 | 4.30           |
| Nonstandard | ---  | ---  | ---            |

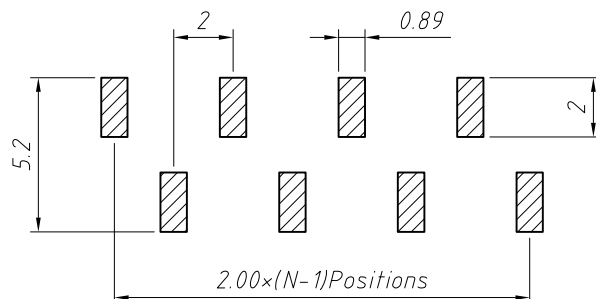
| ANGLE TOLERANCE   | PROJECTION | Description:                                                   |
|-------------------|------------|----------------------------------------------------------------|
| ±3°               |            | 2.0x4.3mm Female Header<br>Double layer, Bottom Entry, 2xN Pin |
| GENERAL TOLERANCE | UNITS      | mm                                                             |
| x.x ±0.30         | SHEET SIZE | A4                                                             |
| x.xx ±0.20        | Draw:      | Daniel                                                         |
| x.xxx ±0.10       | Check:     | Daniel                                                         |
|                   |            | KLS P/N:                                                       |
|                   |            | L-KLS1-208B-4.3-2-XX-W-L1xL2-B                                 |
|                   |            | NingBo KLS ELECTRONIC CO.,LTD.                                 |



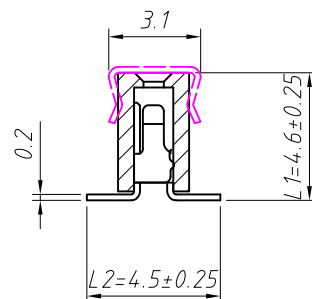
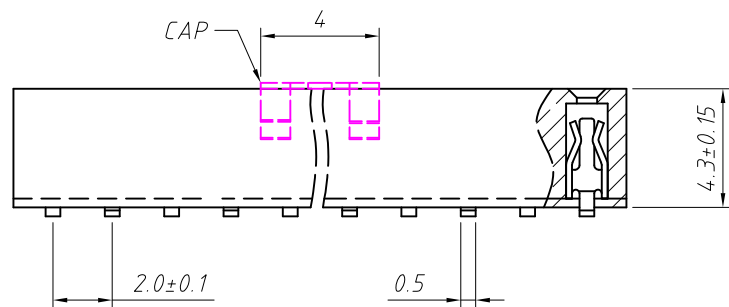
T2 Type



T1 Type



Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE±0.05)



Material:  
Standard:PA6T  
Contact:Brass  
Contact plating:Au or Sn over Ni  
NickelInsulator:Polyester,UL 94 V-0

Electrical Characteristics:  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

Mechanical  
Operating Temperature: -40°C~+105°C  
Max.Processing Temp:230°C for 30-60 seconds (260°C for 10 seconds)

#### Order Information:

L-KLS1-208B-4.3-1-XX-T1-L1xL2-N-B-R

L: RoHS  
Pin Header Series-  
208B:2.00mm  
Plastics Height:4.3mm  
Per Row:Single layer  
Pin: No. of Pins (1x40)  
SMT Pin:T1 Type,T2 Type  
Size:L1xL2  
Post:W=With Post N=W/O Post  
Material:A=PBT B=PA6T C=LCP  
Packing:  
A=Tray T=Tube M=Reel+Mylar  
P=Tube+Cap R=Reel+Cap

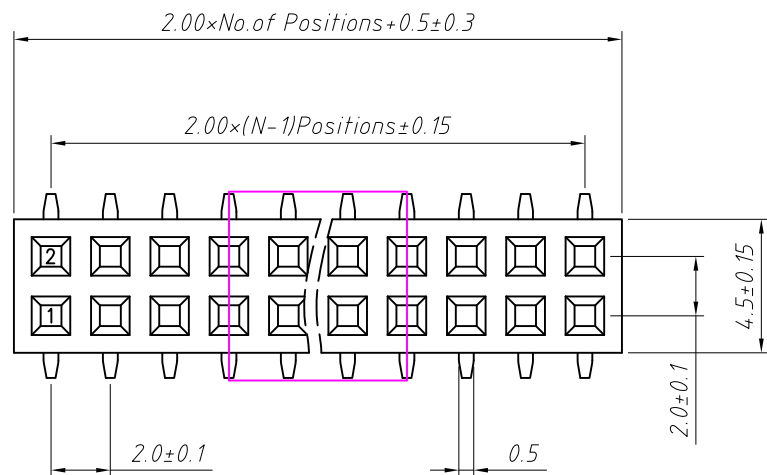
| Dimension antitheses list (mm) |      |      |                |
|--------------------------------|------|------|----------------|
| ITEM                           | L1   | L2   | Plastic Height |
| Standard                       | 4.60 | 4.50 | 4.30           |
| Nonstandard                    | ---  | ---  | ---            |

| ANGLE TOLERANCE   | PROJECTION | Description:                                         |                                     |
|-------------------|------------|------------------------------------------------------|-------------------------------------|
| ±3°               |            | 2.00mm Female Header<br>Single layer,SMT Pin,1xN Pin |                                     |
| GENERAL TOLERANCE | UNITS      | mm                                                   | KLS P/N:                            |
| x.x ±0.30         | SHEET SIZE | A4                                                   | L-KLS1-208B-4.3-1-XX-T1-L1xL2-N-B-R |
| x.xx ±0.20        | Draw:      | Daniel                                               | 2018-07-10                          |
| x.xxx ±0.10       | Check:     | Daniel                                               | 2018-07-10                          |

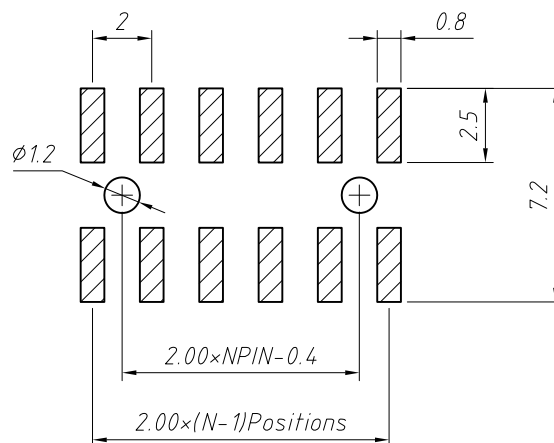


NingBo KLS ELECTRONIC CO.,L TD.

RoHS Compliance



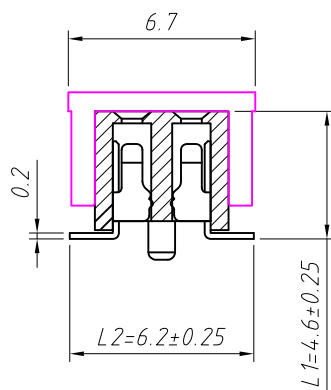
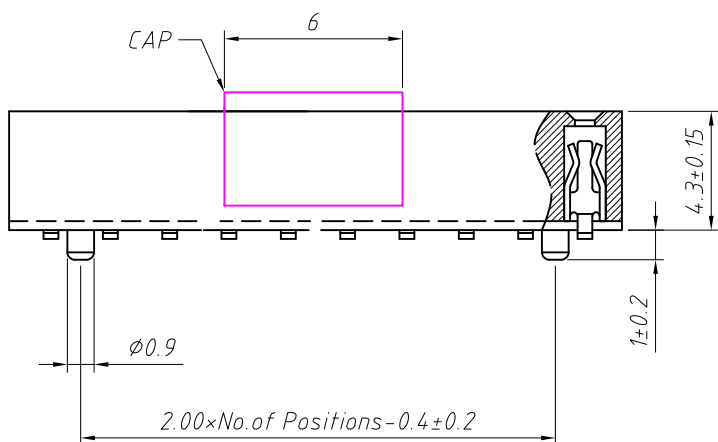
Recommended P.C.B Layout( Top Side)  
(PCB BOARD TOLERANCE±0.05)



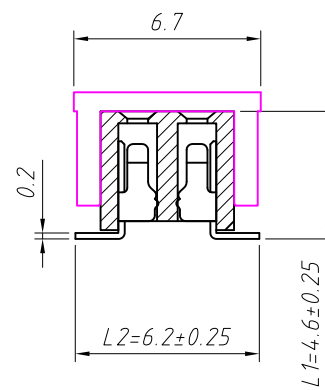
**Material:**  
Standard:PA6T  
Contact:Brass  
Contact plating: Au or Sn over Ni  
Nickel Insulator: Polyester, UL 94 V-0

**Electrical Characteristics:**  
Rated Current: 1.5AMP  
Contact Resistance: 20mΩ Max  
Withstand Voltage: 500V AC/DC  
Insulator Resistance: 1000MΩ Min

**Mechanical**  
Operating Temperature: -40°C ~ +105°C  
Max. Processing Temp: 230°C for 30-60 seconds (260°C for 10 seconds)



T3=With Post



T=Without Post

Order Information:

L-KLS1-208B-4.3-2-XX-T-L1xL2-B-R

L: RoHS  
Pin Header Series-  
208B:2.00mm  
Plastics Height:4.3mm  
Per Row:Double layer  
Pin: No. of Pins (2x40)  
SMT:T=Without Post,T3=With Post  
Size:L1xL2  
Material:A=PBT B=PA6T C=LCP  
Packing:  
A=Tray T=Tube M=Reel+Mylar  
P=Tube+Cap R=Reel+Cap

Dimension antitheses list (mm)

| ITEM        | L1   | L2   | Plastic Height |
|-------------|------|------|----------------|
| Standard    | 4.60 | 6.20 | 4.30           |
| Nonstandard | ---  | ---  | ---            |

| ANGLE TOLERANCE                 | PROJECTION | Description:                                          |
|---------------------------------|------------|-------------------------------------------------------|
| ±3°                             |            | 2.00mm Female Header<br>Double layer ,SMT Pin,2xN Pin |
| GENERAL TOLERANCE               | UNITS      | mm                                                    |
| x.x ±0.30                       | SHEET SIZE | A4                                                    |
| x.xx ±0.20                      | Draw:      | Daniel                                                |
| x.xxx ±0.10                     | Check:     | Daniel                                                |
| KLS P/N:                        |            | L-KLS1-208B-4.3-2-XX-T-L1xL2-B-R                      |
| NingBo KLS ELECTRONIC CO.,L TD. |            |                                                       |