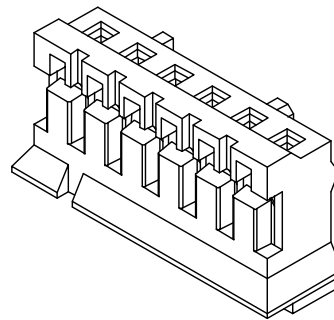
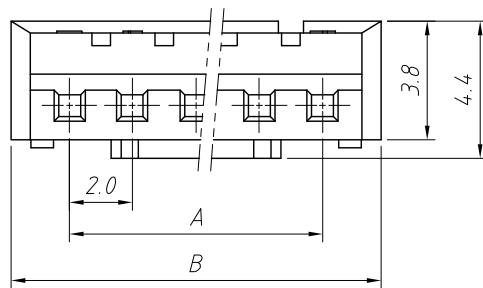
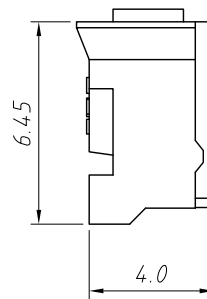
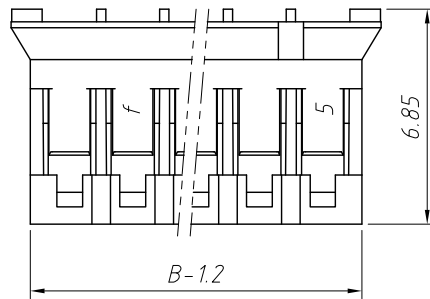
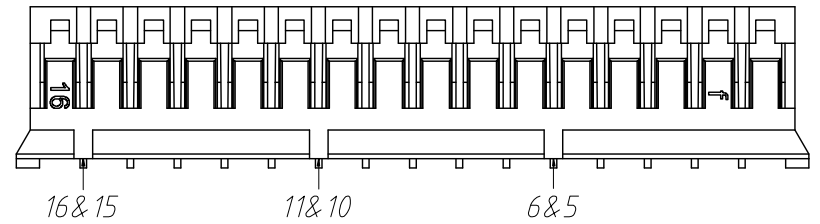
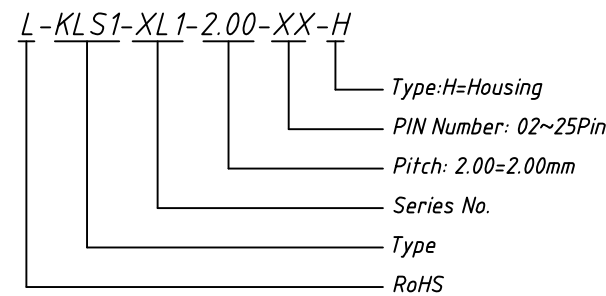


Circuit	Dimensions(mm)	
	A	B
02	2.00	5.75
03	4.00	7.75
04	6.00	9.75
05	8.00	11.75
06	10.00	13.75
07	12.00	15.75
08	14.00	17.75
09	16.00	19.75
10	18.00	21.75
11	20.00	23.75
12	22.00	25.75
13	24.00	27.75
14	26.00	29.75
15	28.00	31.75
16	30.00	33.75

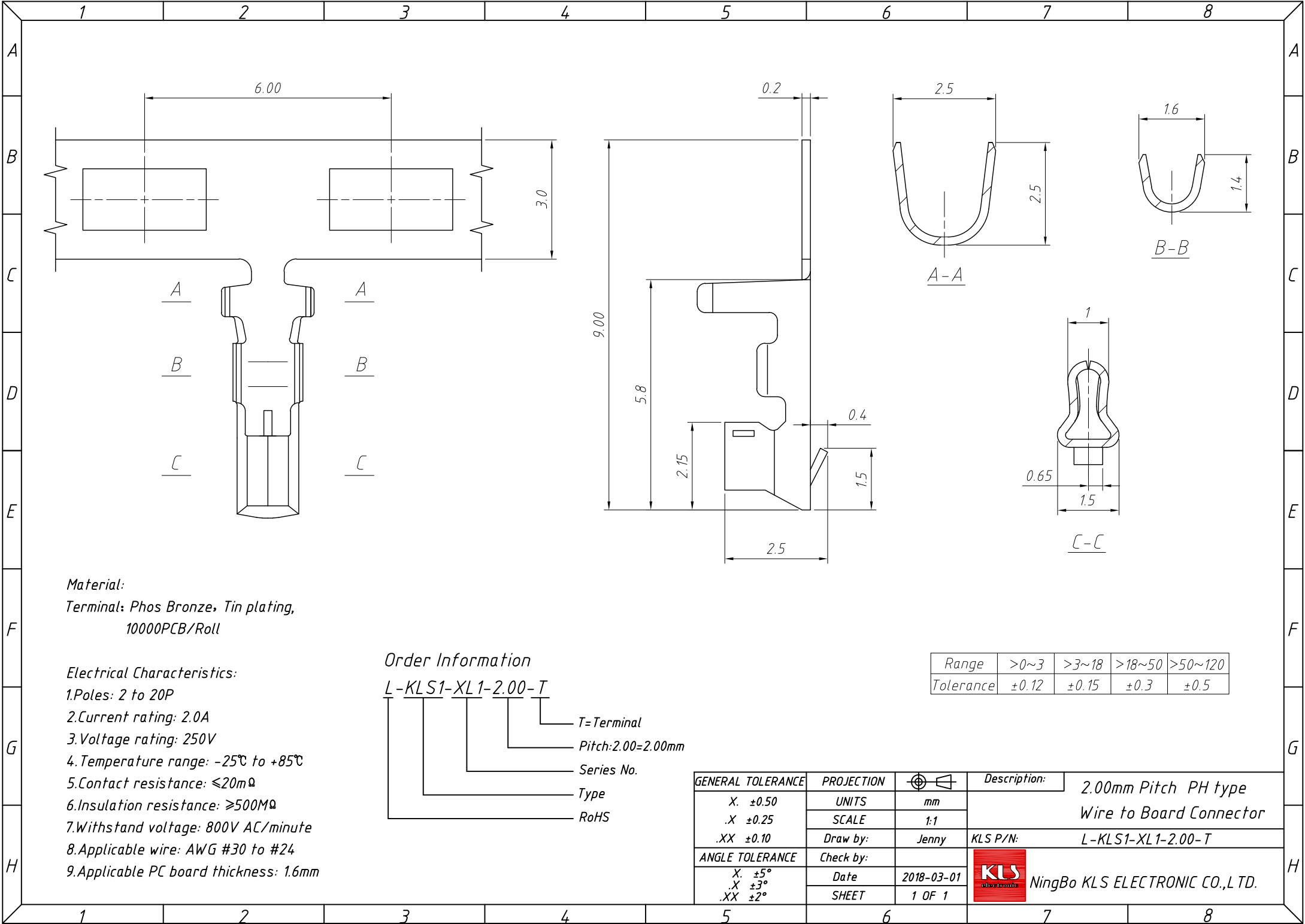
Material:
Housing:PA66(UL 94 V-0),White

- Electrical Characteristics:
- 1.Poles: 2 to 20P
 - 2.Current rating: 2.0A
 - 3.Voltage rating: 100V
 - 4.Temperature range: -25℃ to +85℃
 - 5.Contact resistance: $\leq 10m\Omega$
 - 6.Insulation resistance: $\geq 1000M\Omega$
 - 7.Withstand voltage: 800V AC/minute
 - 8.Applicable wire: AWG #30 to #24
 - 9.Applicable PC board thickness: 0.8~.6mm

Order Information



GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.50	UNITS	mm	2.00mm Pitch PH type Wire to Board Connector
.X ± 0.25	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-XX-H
ANGLE TOLERANCE	Check by:		
X. $\pm 5^\circ$	Date	2018-03-01	NingBo KLS ELECTRONIC CO.,L TD.
.X $\pm 3^\circ$	SHEET	1 OF 1	
.XX $\pm 2^\circ$			



Material:
Terminal: Phos Bronze, Tin plating,
10000PCB/Roll

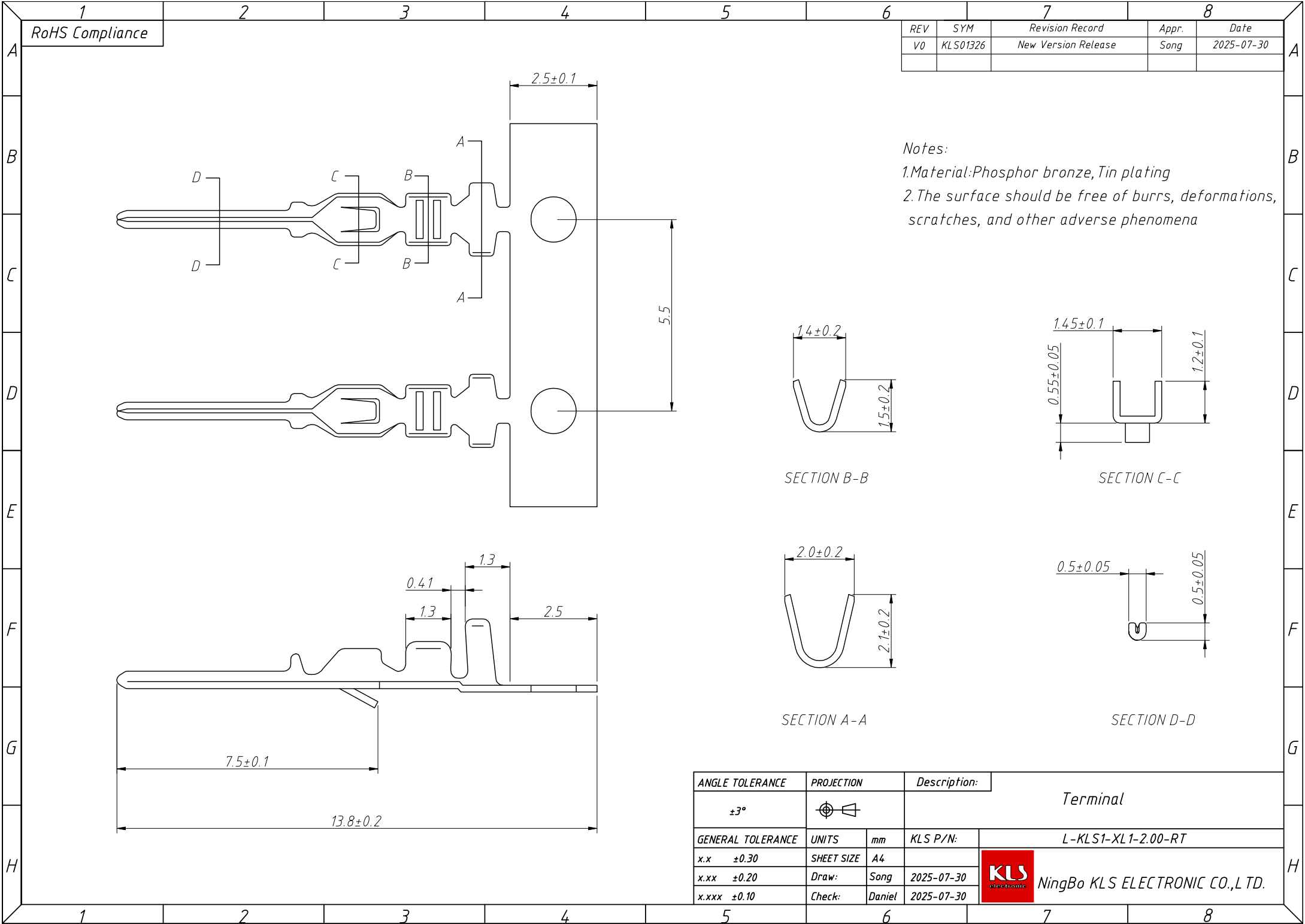
Electrical Characteristics:
1.Poles: 2 to 20P
2.Current rating: 2.0A
3.Voltage rating: 250V
4.Temperature range: -25℃ to +85℃
5.Contact resistance: ≤20mΩ
6.Insulation resistance: ≥500MΩ
7.Withstand voltage: 800V AC/minute
8.Applicable wire: AWG #30 to #24
9.Applicable PC board thickness: 1.6mm

Order Information
L-KLS1-XL1-2.00-T

T=Terminal
Pitch:2.00=2.00mm
Series No.
Type
RoHS

Range	>0~3	>3~18	>18~50	>50~120
Tolerance	±0.12	±0.15	±0.3	±0.5

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	2.00mm Pitch PH type Wire to Board Connector
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-T
ANGLE TOLERANCE	Check by:		 NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3° .XX ±2°	SHEET	1 OF 1	

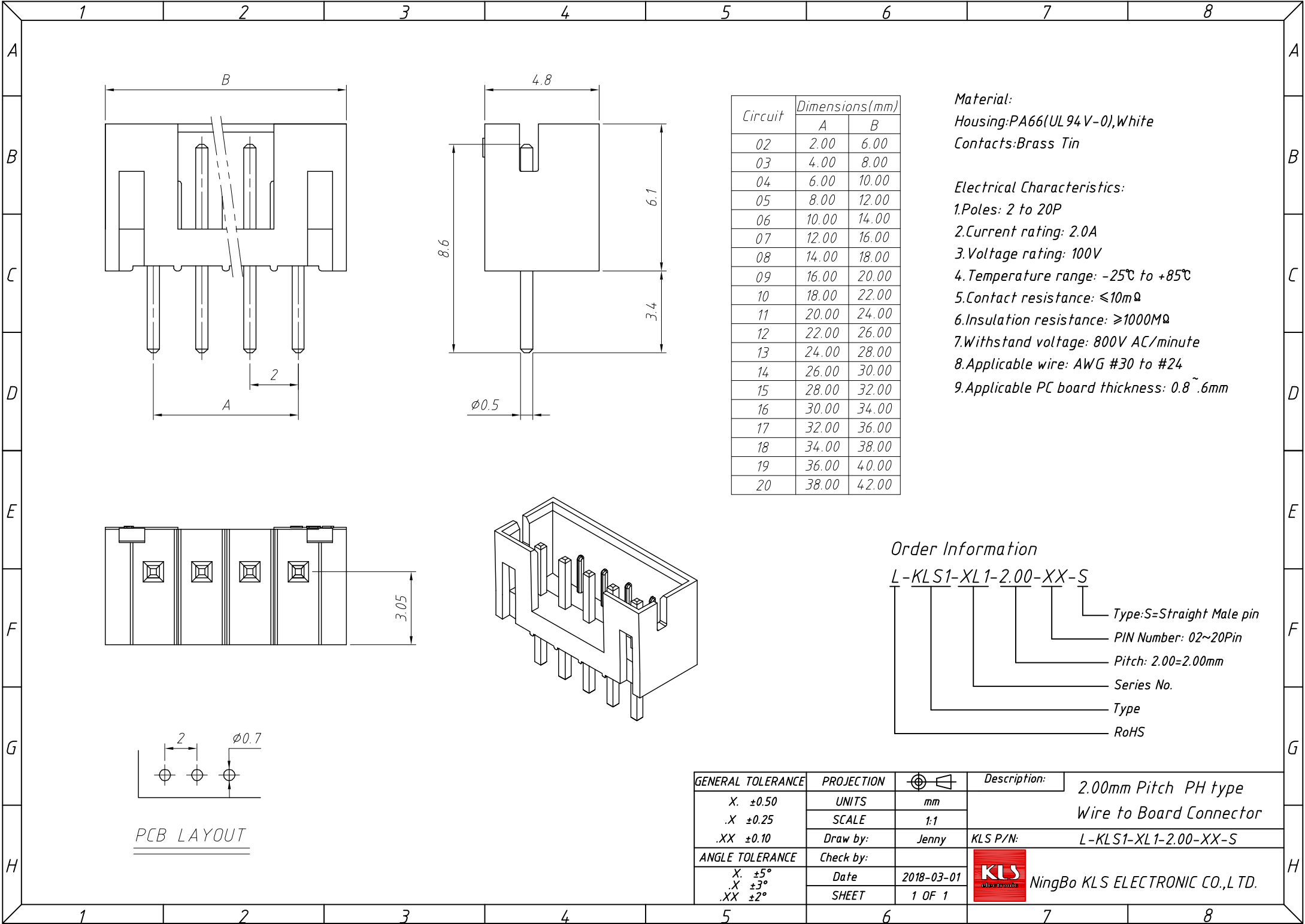


1
RoHS Compliance

REV	SYM	Revision Record	Appr.	Date
V0	KLS01326	New Version Release	Song	2025-07-30

Notes:
1.Material:Phosphor bronze,Tin plating
2.The surface should be free of burrs, deformations, scratches, and other adverse phenomena

ANGLE TOLERANCE	PROJECTION	Description:	Terminal	
$\pm 3^\circ$				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS1-XL1-2.00-RT
x.x ± 0.30	SHEET SIZE	A4		
x.xx ± 0.20	Draw:	Song	2025-07-30	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx ± 0.10	Check:	Daniel	2025-07-30	



Circuit	Dimensions(mm)	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00

Material:
Housing:PA66(UL 94 V-0),White
Contacts:Brass Tin

Electrical Characteristics:

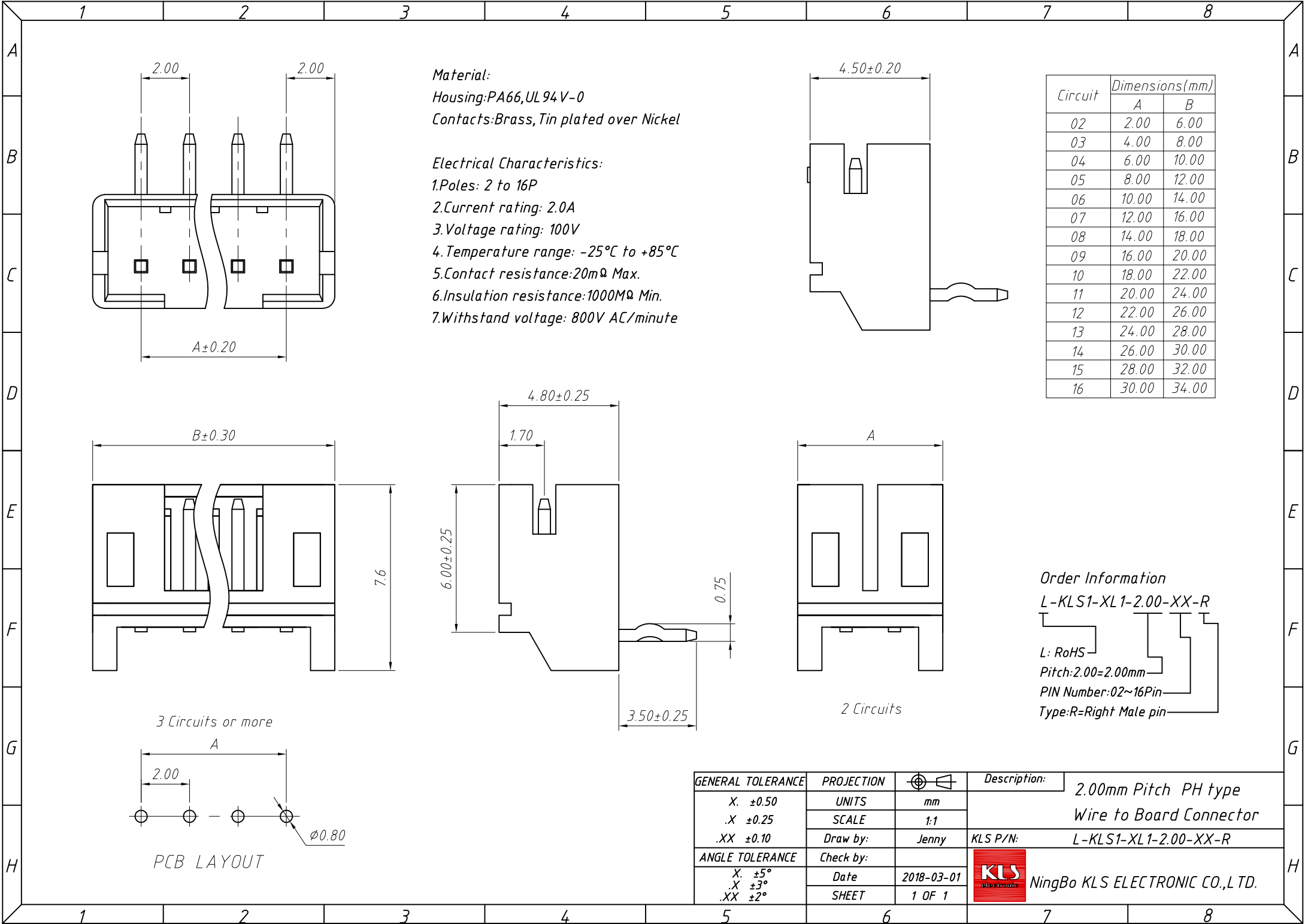
- 1.Poles: 2 to 20P
- 2.Current rating: 2.0A
- 3.Voltage rating: 100V
- 4.Temperature range: -25℃ to +85℃
- 5.Contact resistance: ≤10mΩ
- 6.Insulation resistance: ≥1000MΩ
- 7.Withstand voltage: 800V AC/minute
- 8.Applicable wire: AWG #30 to #24
- 9.Applicable PC board thickness: 0.8~1.6mm

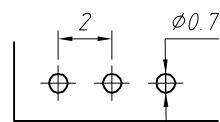
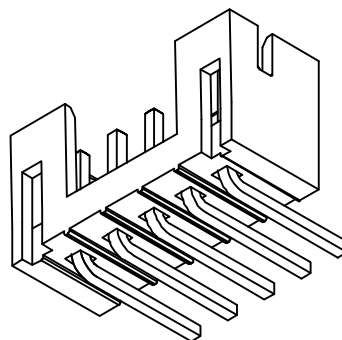
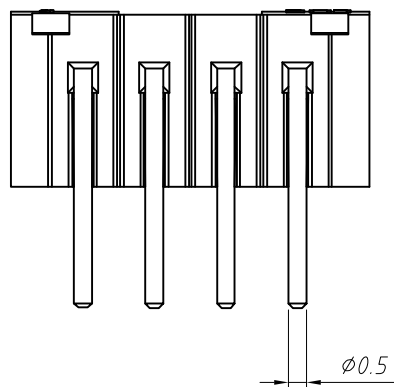
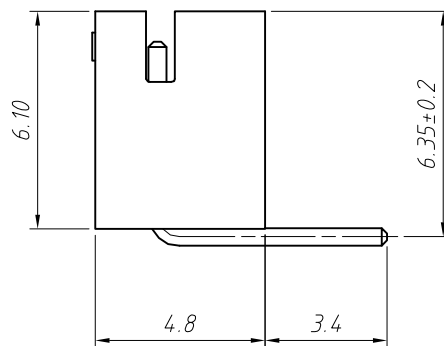
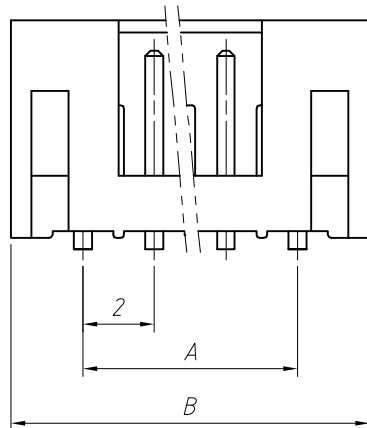
Order Information

L-KLS1-XL1-2.00-XX-S

- Type:S=Straight Male pin
- PIN Number: 02~20Pin
- Pitch: 2.00=2.00mm
- Series No.
- Type
- RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	2.00mm Pitch PH type Wire to Board Connector
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-XX-S
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3°	SHEET	1 OF 1	
.XX ±2°			





PCB LAYOUT

Circuit	Dimensions(mm)	
	A	B
02	2.00	6.00
03	4.00	8.00
04	6.00	10.00
05	8.00	12.00
06	10.00	14.00
07	12.00	16.00
08	14.00	18.00
09	16.00	20.00
10	18.00	22.00
11	20.00	24.00
12	22.00	26.00
13	24.00	28.00
14	26.00	30.00
15	28.00	32.00
16	30.00	34.00
17	32.00	36.00
18	34.00	38.00
19	36.00	40.00
20	38.00	42.00

Material:

Housing:PA66(UL 94 V-0),White

Contacts:Brass Tin

Electrical Characteristics:

1.Poles: 2 to 20P

2.Current rating: 2.0A

3.Voltage rating: 100V

4.Temperature range: -25℃ to +85℃

5.Contact resistance: ≤10mΩ

6.Insulation resistance: ≥1000MΩ

7.Withstand voltage: 800V AC/minute

8.Applicable wire: AWG #30 to #24

9.Applicable PC board thickness: 0.8~1.6mm

Order Information

L-KLS1-XL1-2.00-XX-R1

Type:R1=Right Male pin

PIN Number: 02~20Pin

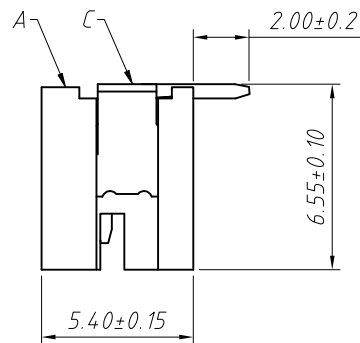
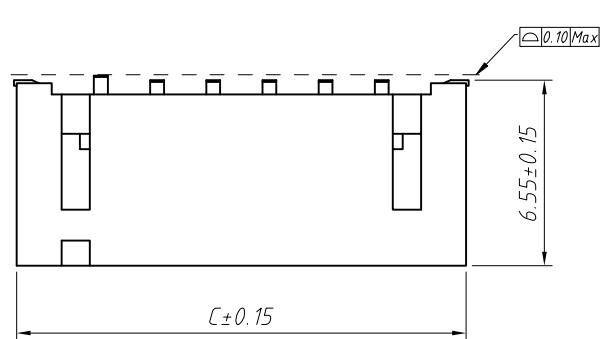
Pitch: 2.00=2.00mm

Series No.

Type

RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	2.00mm Pitch PH type Wire to Board Connector
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-XX-R1
ANGLE TOLERANCE	Check by:		
X. ±5°	Date	2018-03-01	NingBo KLS ELECTRONIC CO.,L TD.
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



Material:

Insulator: LCP UL 94 V-0, Beige

Contacts: Brass, Tin Plated

Solder Tab: Phosphor Bronze, Tin Plated

Electrical Specification:

Poles: 02 to 16

Contact resistance: $\leq 20m\Omega$

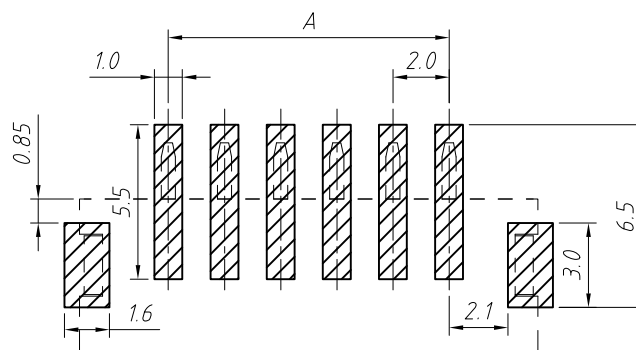
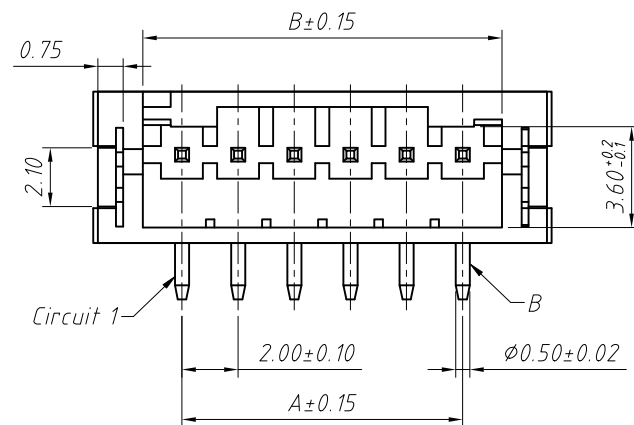
Insulation resistance: $\geq 1000M\Omega$

Rated voltage: 250V AC DC

Rated current: 2.0A AC DC

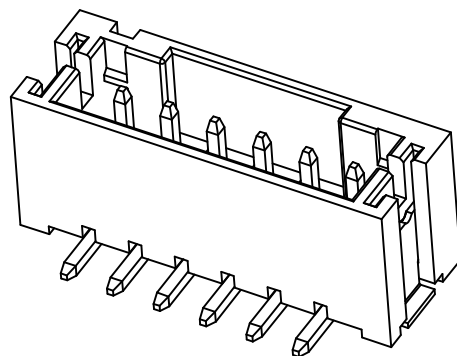
Withstand Voltage: 1000V AC/minute

Temperature Range: $-25^{\circ}C \sim +105^{\circ}C$

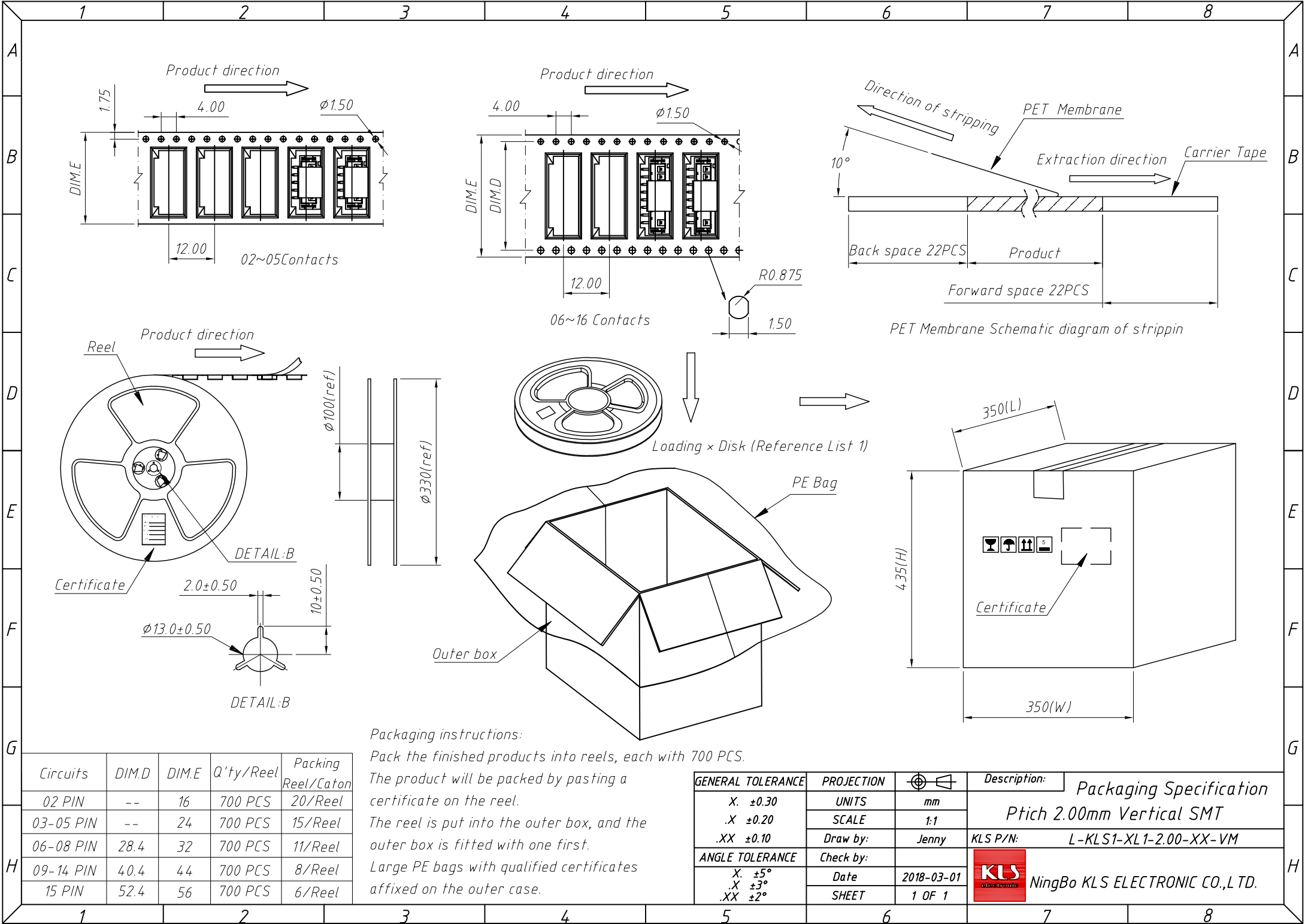


Suggested PCB Layout

Circuit	Dimensions(mm)		
	A	B	C
02	2.00	4.80	8.00
03	4.00	6.80	10.00
04	6.00	8.80	12.00
05	8.00	10.80	14.00
06	10.00	12.80	16.00
07	12.00	14.80	18.00
08	14.00	16.80	20.00
09	16.00	18.80	22.00
10	18.00	20.80	24.00
11	20.00	22.80	26.00
12	22.00	24.80	28.00
13	24.00	26.80	30.00
14	26.00	28.80	32.00
15	28.00	30.80	34.00
16	30.00	32.80	36.00



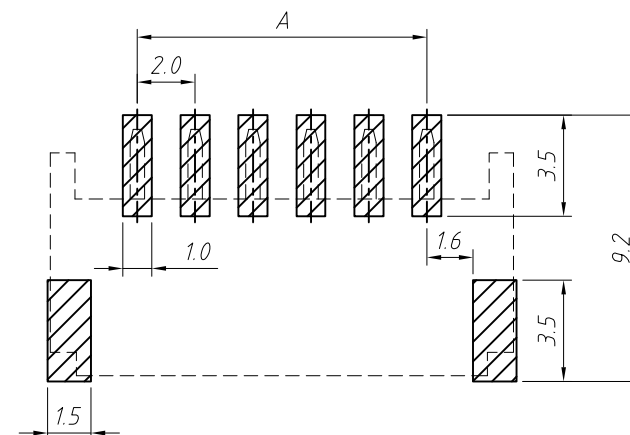
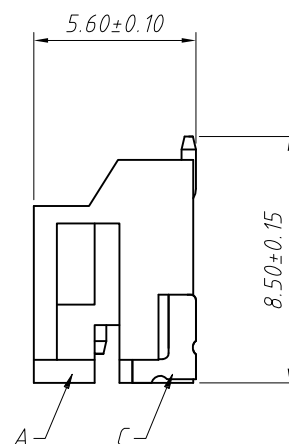
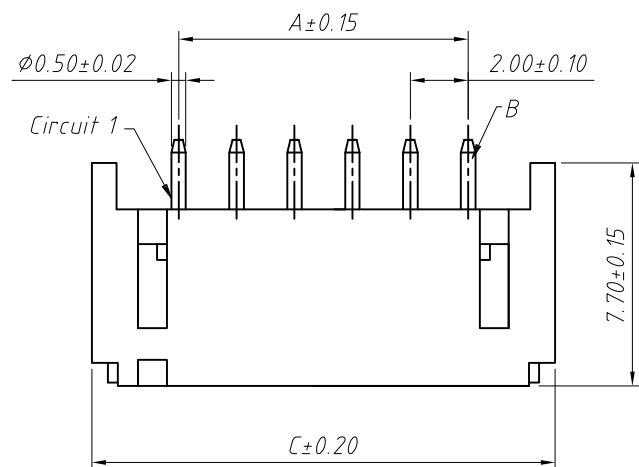
GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.30	UNITS	mm	Pitch 2.00mm Vertical SMT Wafer
.X ± 0.20	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-XX-VM
ANGLE TOLERANCE	Check by:		
X. $\pm 5^{\circ}$	Date	2018-03-01	NingBo KLS ELECTRONIC CO.,L TD.
.X $\pm 3^{\circ}$	SHEET	1 OF 1	
.XX $\pm 2^{\circ}$			



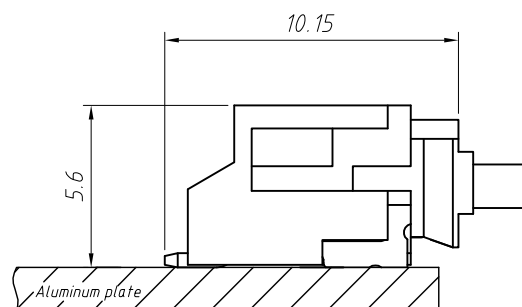
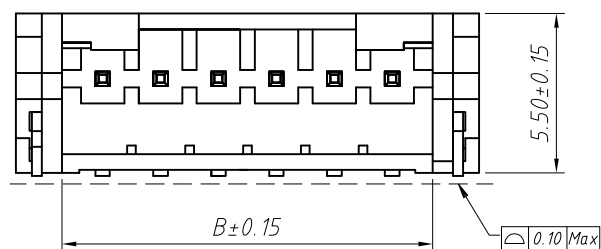
Packaging instructions:
Pack the finished products into reels, each with 700 PCS.
The product will be packed by pasting a certificate on the reel.
The reel is put into the outer box, and the outer box is fitted with one first.
Large PE bags with qualified certificates affixed on the outer case.

Circuits	DIM.D	DIM.E	Q'ty/Reel	Packing Reel/Carton
02 PIN	--	16	700 PCS	20/Reel
03-05 PIN	--	24	700 PCS	15/Reel
06-08 PIN	28.4	32	700 PCS	11/Reel
09-14 PIN	40.4	44	700 PCS	8/Reel
15 PIN	52.4	56	700 PCS	6/Reel

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.30	UNITS	mm	Packaging Specification Ptch 2.00mm Vertical SMT KLS P/N: L-KLS1-XL1-2.00-XX-VM
.X ±0.20	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



Suggested PCB Layout



Assembly Layout

Circuit	Dimensions(mm)		
	A	B	C
02	2.00	4.75	8.00
03	4.00	6.75	10.00
04	6.00	8.75	12.00
05	8.00	10.75	14.00
06	10.00	12.75	16.00
07	12.00	14.75	18.00
08	14.00	16.75	20.00
09	16.00	18.75	22.00
10	18.00	20.75	24.00
11	20.00	22.75	26.00
12	22.00	24.75	28.00
13	24.00	26.75	30.00
14	26.00	28.75	32.00
15	28.00	30.75	34.00
16	30.00	32.70	36.00

Material:

Insulator:LCP UL94V-0,Beige

Contacts:Brass,Tin Plated

Solder Tab:Brass,Tin Plated

Electrical Specification:

Poles: 02 to 16

Contact resistance:≤20mΩ

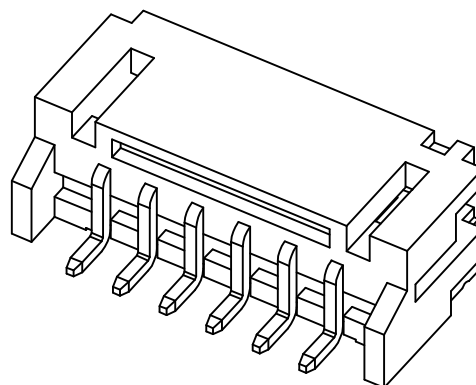
Insulation resistance:≥1000MΩ

Rated voltage:250V AC DC

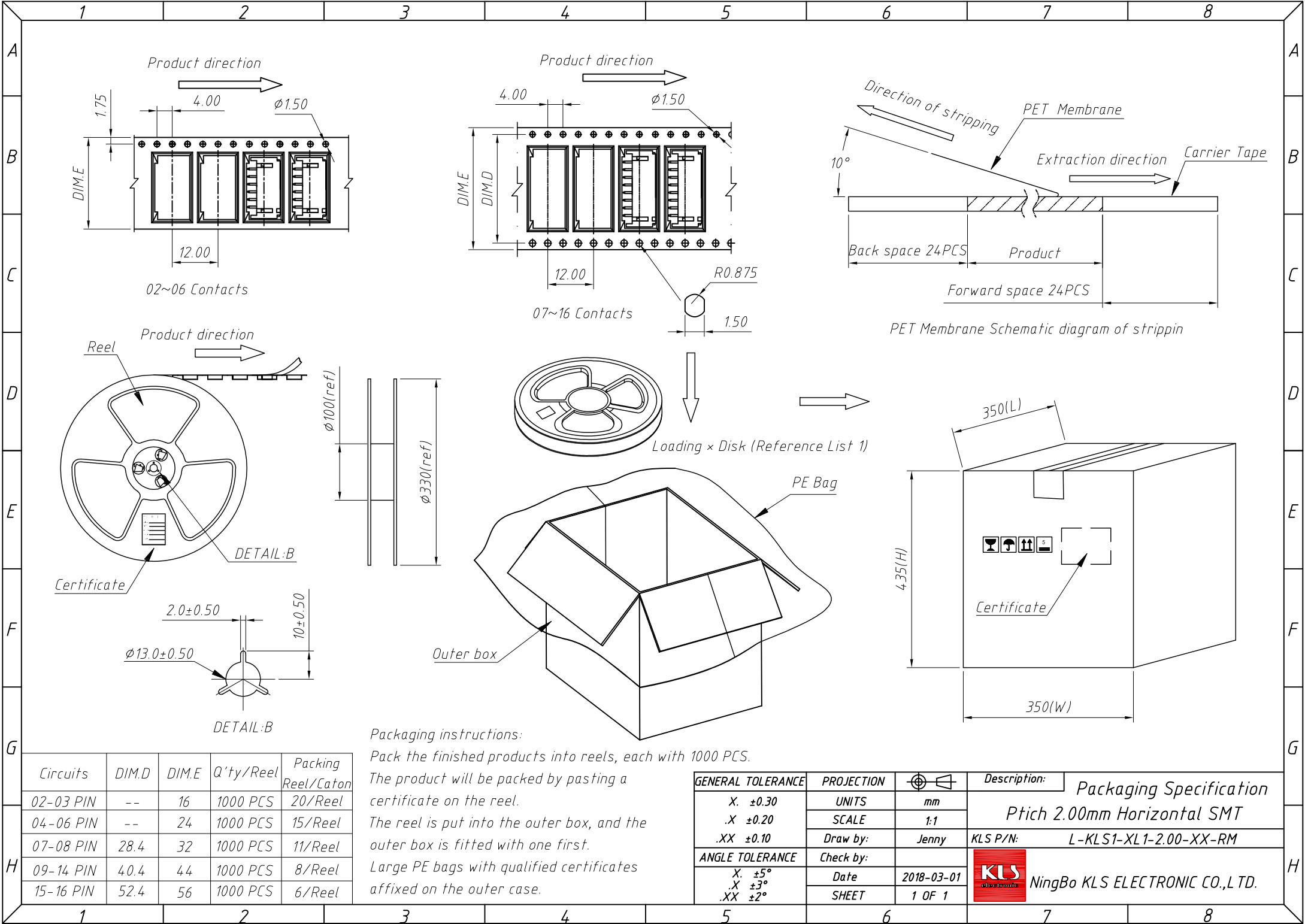
Rated current:2.0A AC DC

Withstand Voltage:1000V AC/minute

Temperature Range:-25℃~ +105℃



GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.30	UNITS	mm	Pitch 2.00mm Horizontal SMT Wafer
.X ±0.20	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-2.00-XX-RM
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



Circuits	DIM.D	DIM.E	Q'ty/Reel	Packing Reel/Carton
02-03 PIN	--	16	1000 PCS	20/Reel
04-06 PIN	--	24	1000 PCS	15/Reel
07-08 PIN	28.4	32	1000 PCS	11/Reel
09-14 PIN	40.4	44	1000 PCS	8/Reel
15-16 PIN	52.4	56	1000 PCS	6/Reel

Packaging instructions:
Pack the finished products into reels, each with 1000 PCS.
The product will be packed by pasting a certificate on the reel.
The reel is put into the outer box, and the outer box is fitted with one first.
Large PE bags with qualified certificates affixed on the outer case.

GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.30	UNITS	mm	Ptch 2.00mm Horizontal SMT
.X ± 0.20	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	
ANGLE TOLERANCE	Check by:		KLS NingBo KLS ELECTRONIC CO.,L TD.
X. $\pm 5^{\circ}$	Date	2018-03-01	
.X $\pm 3^{\circ}$	SHEET	1 OF 1	
.XX $\pm 2^{\circ}$			