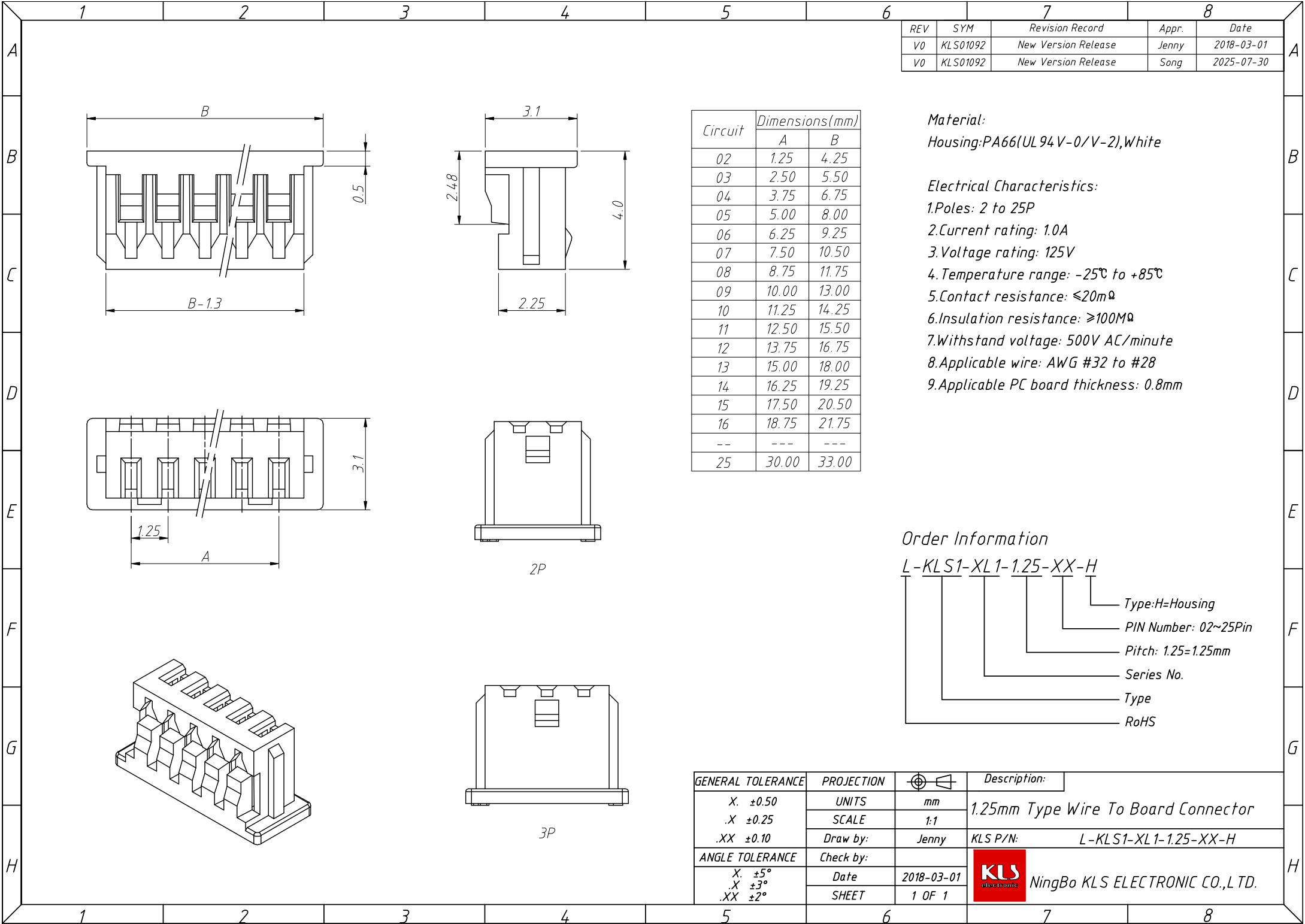




REV	SYM	Revision Record	Appr.	Date
V0	KLS01092	New Version Release	Jenny	2018-03-01
V0	KLS01092	New Version Release	Song	2025-07-30

Material:
Housing:PA66(UL 94 V-0/V-2),White

Electrical Characteristics:

- 1.Poles: 2 to 25P
- 2.Current rating: 1.0A
- 3.Voltage rating: 125V
- 4.Temperature range: -25℃ to +85℃
- 5.Contact resistance: ≤20mΩ
- 6.Insulation resistance: ≥100MΩ
- 7.Withstand voltage: 500V AC/minute
- 8.Applicable wire: AWG #32 to #28
- 9.Applicable PC board thickness: 0.8mm

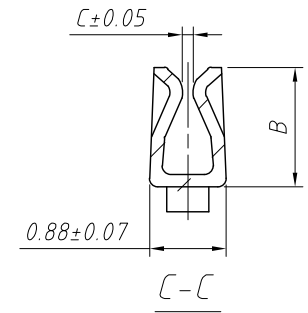
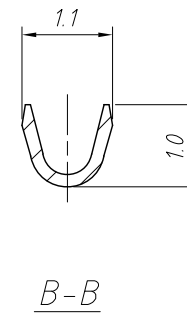
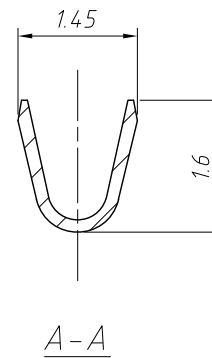
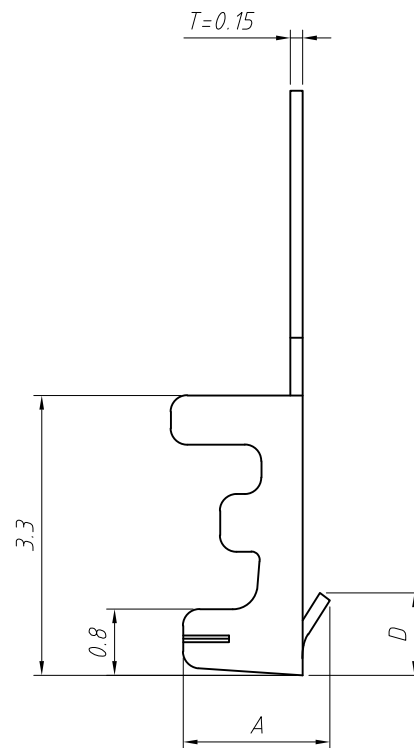
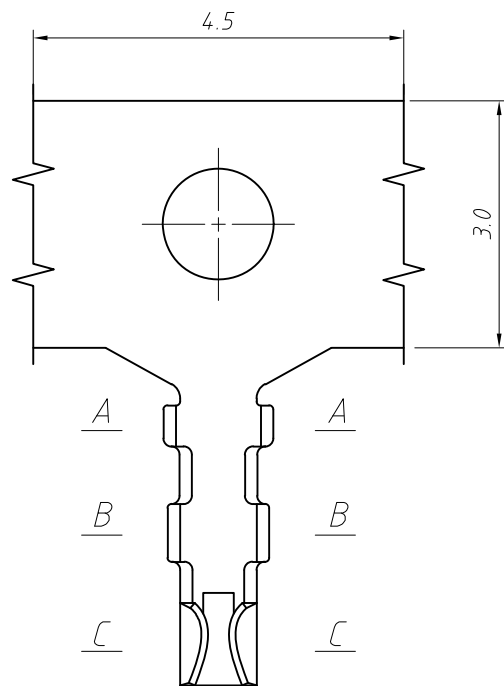
Circuit	Dimensions(mm)	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
--	---	---
25	30.00	33.00

Order Information

L-KLS1-XL1-1.25-XX-H

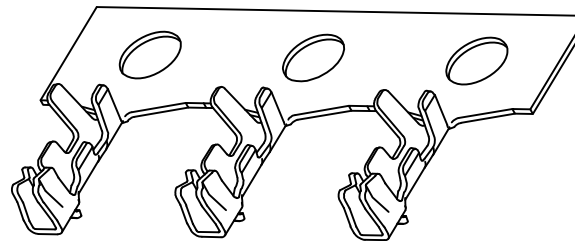
Type:H=Housing
PIN Number: 02~25Pin
Pitch: 1.25=1.25mm
Series No.
Type
RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	1.25mm Type Wire To Board Connector
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	
ANGLE TOLERANCE	Check by:		L-KLS1-XL1-1.25-XX-H
X. ±5°	Date	2018-03-01	 NingBo KLS ELECTRONIC CO.,L TD.
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



A	B	C	D	Material	Finish	Qty/reel
1.78	1.45	0.13	1.0	Phosphor Bronze	TIN	12000 PCS

Electrical Characteristics:
 Current rating: 1.0A
 Voltage rating: 125V
 Temperature range: -25°C to +85°C5.
 Contact resistance: $\leq 20m\Omega$
 Insulation resistance: $\geq 100M\Omega$
 Withstand voltage: 500V AC/minute
 Applicable wire: AWG #32 to #28
 Applicable PC board thickness: 0.8mm

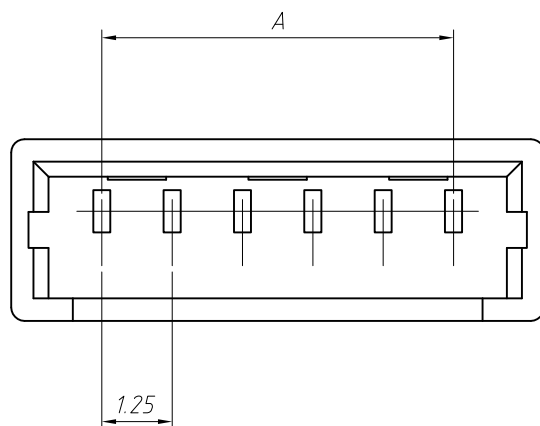


Order Information

L-KLS1-XL1-1.25-T

Terminal: See table
 Pitch: 1.25=1.25mm
 Series No.
 Type
 RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.50	UNITS	mm	1.25mm Type Wire To Board Connector
.X ± 0.25	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. $\pm 5^\circ$	Date	2018-03-01	
.X $\pm 3^\circ$	SHEET	1 OF 1	
.XX $\pm 2^\circ$			



Circuit	Dimensions(mm)	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50

Material:

Housing:PA66,UL 94 V-0,White

Electrical Characteristics:

1.Poles: 2 to 15P

2.Current rating: 1.0A

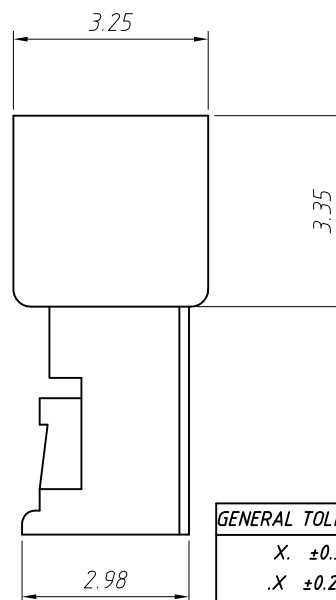
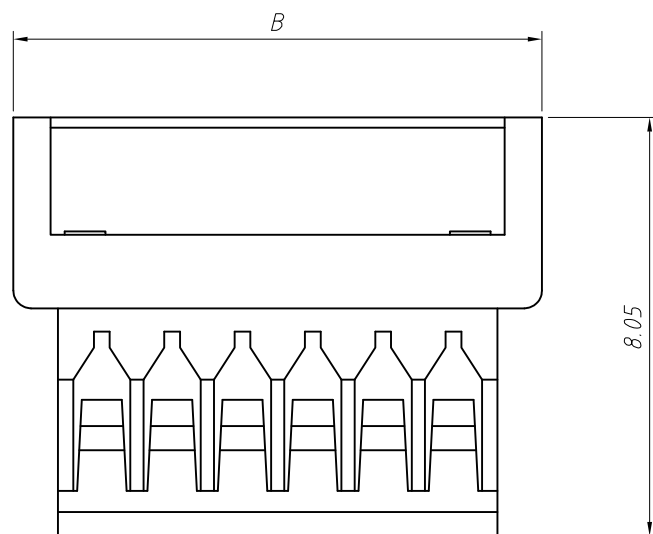
3.Voltage rating: 125V

4.Temperature range: -25°C to +85°C

5.Contact resistance: $\leq 20m\Omega$

6.Insulation resistance: $\geq 100M\Omega$

7.Withstand voltage: 500V AC/minute



Order Information

L-KLS1-XL1-1.25-XX-H2

Type:H2=Housing

PIN Number: 02~15Pin

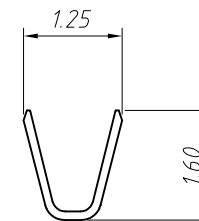
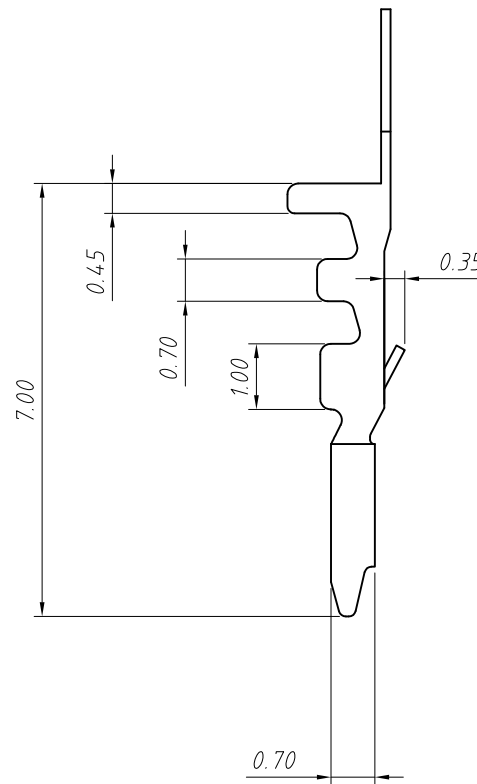
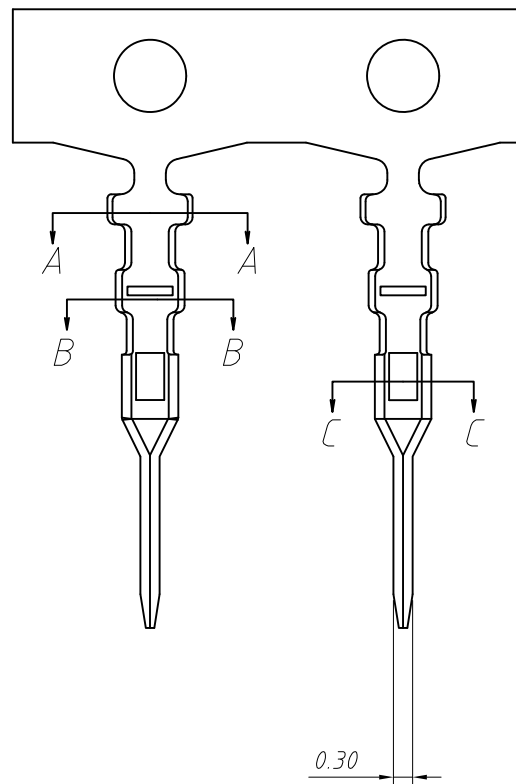
Pitch: 1.25=1.25mm

Series No.

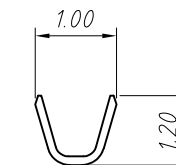
Type

RoHS

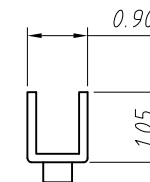
GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.50	UNITS	mm	1.25mm Pitch Wire To Board Connector
.X ± 0.25	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-1.25-XX-H2
ANGLE TOLERANCE	Check by:		
X. $\pm 5^\circ$	Date	2018-03-01	NingBo KLS ELECTRONIC CO.,L TD.
.X $\pm 3^\circ$	SHEET	1 OF 1	
.XX $\pm 2^\circ$			



A-A



B-B



C-C

Electrical Characteristics:
Current rating: 1.0A
Voltage rating: 125V
Temperature range: -25°C to +85°C5.
Contact resistance: $\leq 20\text{m}\Omega$
Insulation resistance: $\geq 100\text{M}\Omega$
Withstand voltage: 500V AC/minute

Order Information

L-KLS1-XL1-1.25-T2

Terminal: See table

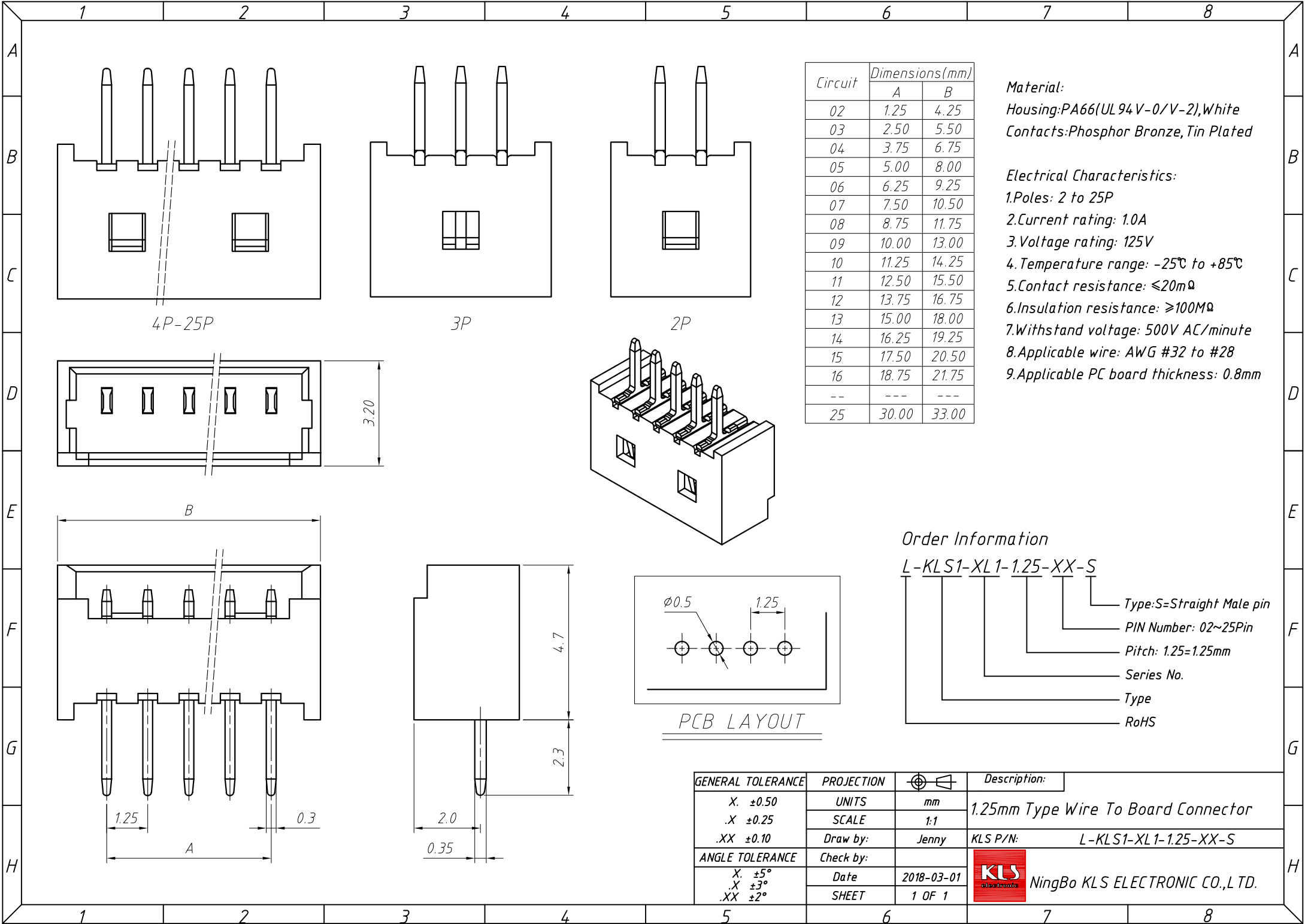
Pitch: 1.25=1.25mm

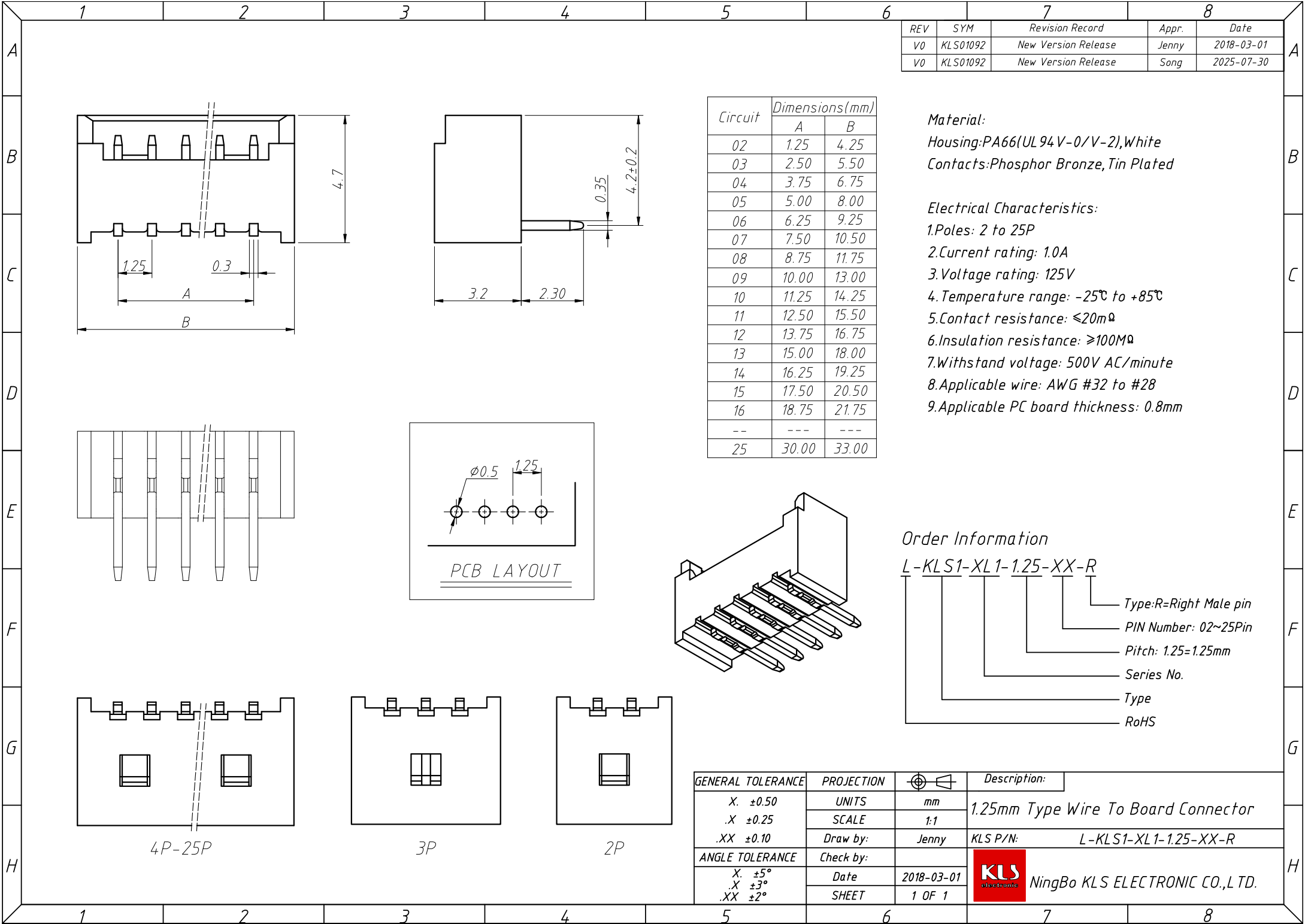
Series No.

Type

RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.50	UNITS	mm	1.25mm Wire To Board Connector Terminal
.X ± 0.25	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	
ANGLE TOLERANCE	Check by:		KLS P/N: L-KLS1-XL1-1.25-T2
X. $\pm 5^\circ$	Date	2018-03-01	 NingBo KLS ELECTRONIC CO.,L TD.
.X $\pm 3^\circ$	SHEET	1 OF 1	
.XX $\pm 2^\circ$			





REV		SYM	Revision Record	Appr.	Date
V0		KLS01092	New Version Release	Jenny	2018-03-01
V0		KLS01092	New Version Release	Song	2025-07-30

Circuit	Dimensions(mm)	
	A	B
02	1.25	4.25
03	2.50	5.50
04	3.75	6.75
05	5.00	8.00
06	6.25	9.25
07	7.50	10.50
08	8.75	11.75
09	10.00	13.00
10	11.25	14.25
11	12.50	15.50
12	13.75	16.75
13	15.00	18.00
14	16.25	19.25
15	17.50	20.50
16	18.75	21.75
--	---	---
25	30.00	33.00

Material:
Housing:PA66(UL 94 V-0/V-2),White
Contacts:Phosphor Bronze,Tin Plated

Electrical Characteristics:

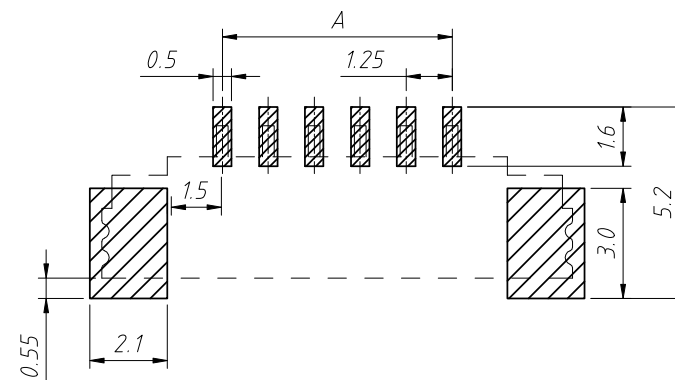
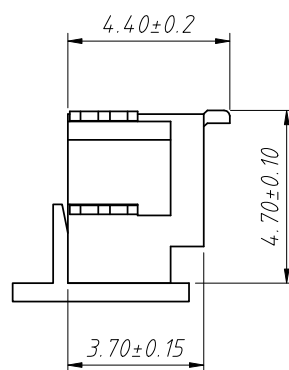
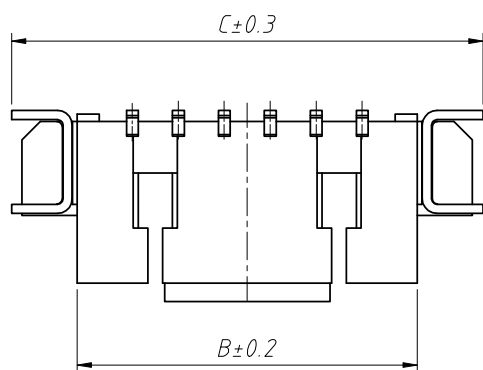
- 1.Poles: 2 to 25P
- 2.Current rating: 1.0A
- 3.Voltage rating: 125V
- 4.Temperature range: -25℃ to +85℃
- 5.Contact resistance: ≤20mΩ
- 6.Insulation resistance: ≥100MΩ
- 7.Withstand voltage: 500V AC/minute
- 8.Applicable wire: AWG #32 to #28
- 9.Applicable PC board thickness: 0.8mm

Order Information

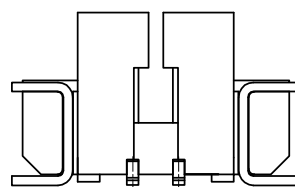
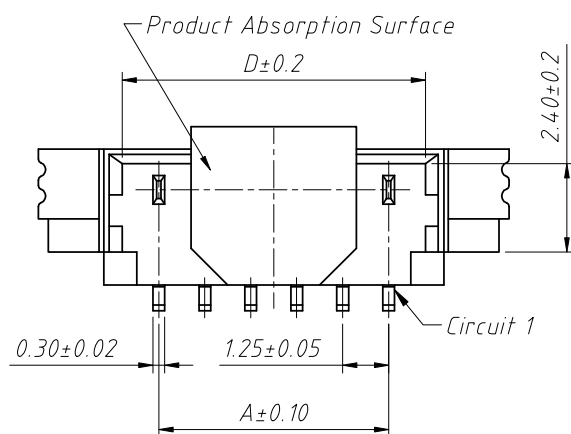
L-KLS1-XL1-1.25-XX-R

- Type:R=Right Male pin
- PIN Number: 02~25Pin
- Pitch: 1.25=1.25mm
- Series No.
- Type
- RoHS

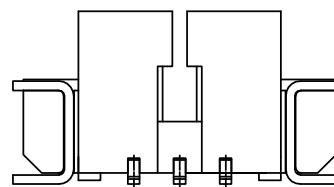
GENERAL TOLERANCE		PROJECTION		Description:
X. ±0.50		UNITS	mm	1.25mm Type Wire To Board Connector
.X ±0.25		SCALE	1:1	
.XX ±0.10		Draw by:	Jenny	KLS P/N: L-KLS1-XL1-1.25-XX-R
ANGLE TOLERANCE		Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°		Date	2018-03-01	
.X ±3°		SHEET	1 OF 1	
.XX ±2°				



Suggested PCB Layout



2P



3P

Material:

Insulator:LCP UL94V-0,Beige

Contacts:Phosphor Bronze,Tin Plated

Solder Tab:Brass,Tin Plated

Electrical Specification:

Poles: 02 to 16

Contact resistance:≤20mΩ

Insulation resistance:≥100MΩ

Rated voltage:125V AC DC

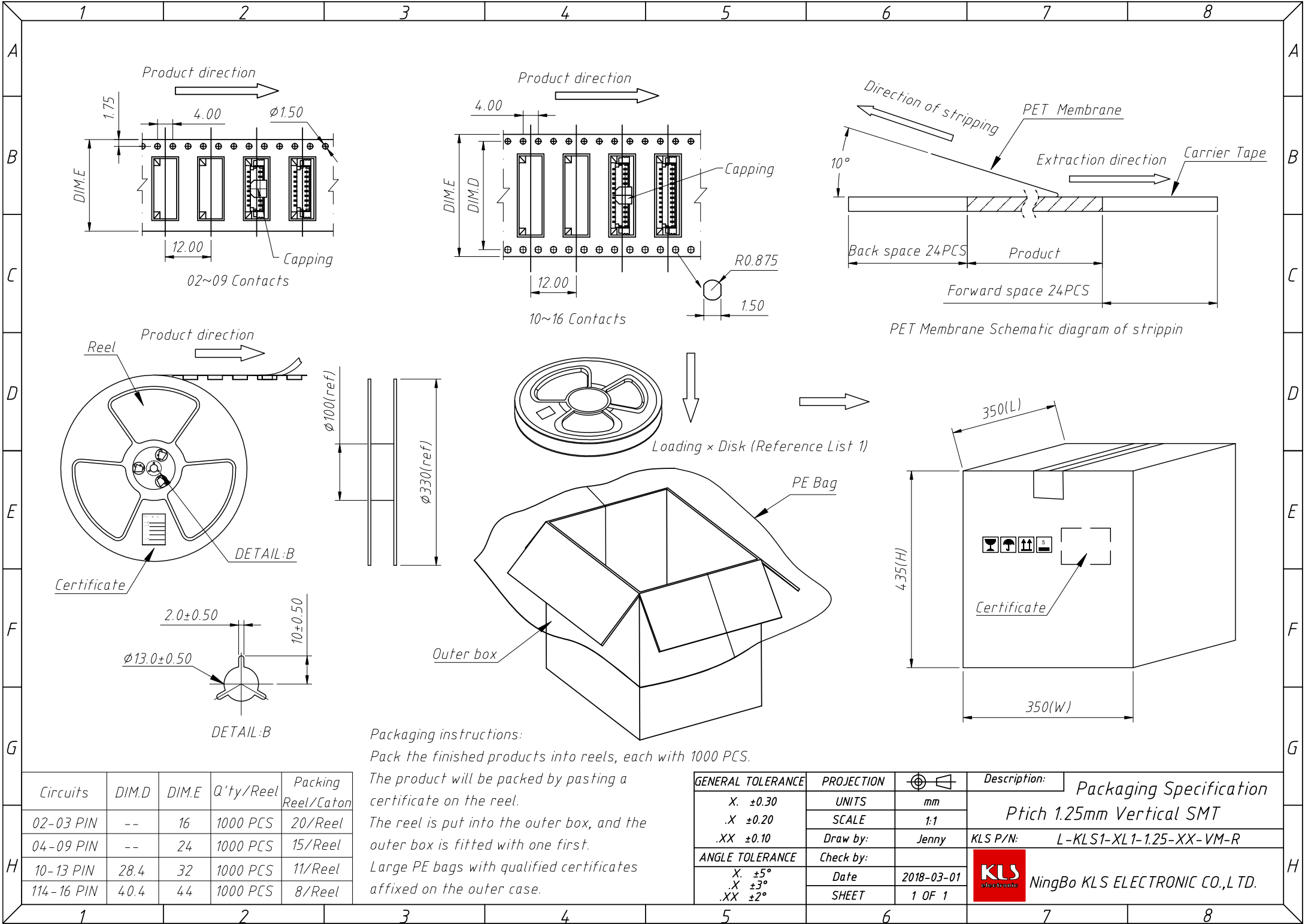
Rated current:1.0A AC DC

Withstand Voltage:500V AC/minute

Temperature Range:-25°C~ +105°C

Circuit	Dimensions(mm)				Circuit	Dimensions(mm)			
	A	B	C	D		A	B	C	D
02	1.50	4.25	7.75	3.05	10	11.25	14.25	17.75	13.05
03	2.50	5.50	9.00	4.30	11	12.50	15.50	19.00	14.30
04	3.75	6.75	10.25	5.55	12	13.75	16.75	20.25	15.55
05	5.00	8.00	11.50	6.80	13	15.00	18.00	21.50	16.80
06	6.25	9.25	12.75	8.05	14	16.25	19.25	22.75	18.05
07	7.50	10.50	14.00	9.30	15	17.50	20.50	24.00	19.30
08	8.75	11.75	15.25	10.55	16	18.75	21.75	25.25	20.55
09	10.00	13.00	16.50	11.80					

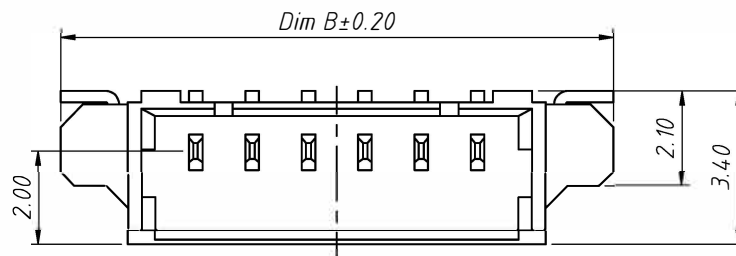
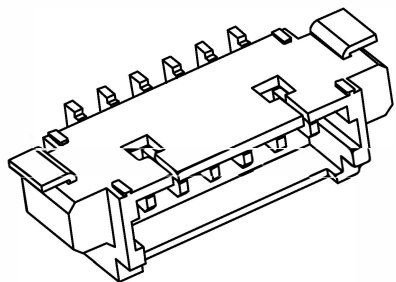
GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.30	UNITS	mm	Pitch 1.25mm Vertical SMT Wafer
.X ±0.20	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-1.25-XX-VM-R
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



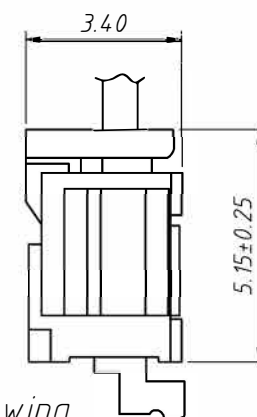
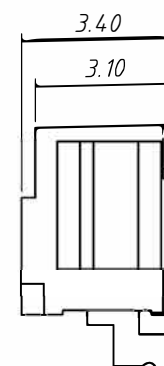
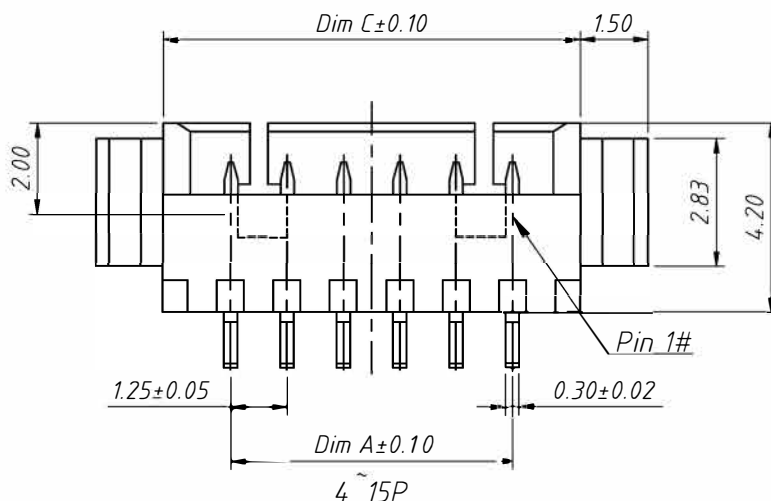
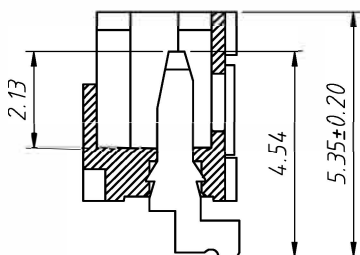
Packaging instructions:
Pack the finished products into reels, each with 1000 PCS.
The product will be packed by pasting a certificate on the reel.
The reel is put into the outer box, and the outer box is fitted with one first.
Large PE bags with qualified certificates affixed on the outer case.

Circuits	DIM.D	DIM.E	Q'ty/Reel	Packing Reel/Caton
02-03 PIN	--	16	1000 PCS	20/Reel
04-09 PIN	--	24	1000 PCS	15/Reel
10-13 PIN	28.4	32	1000 PCS	11/Reel
114-16 PIN	40.4	44	1000 PCS	8/Reel

GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.30	UNITS	mm	Packaging Specification Ptch 1.25mm Vertical SMT
.X ± 0.20	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-1.25-XX-VM-R
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 $\pm 2^\circ$			

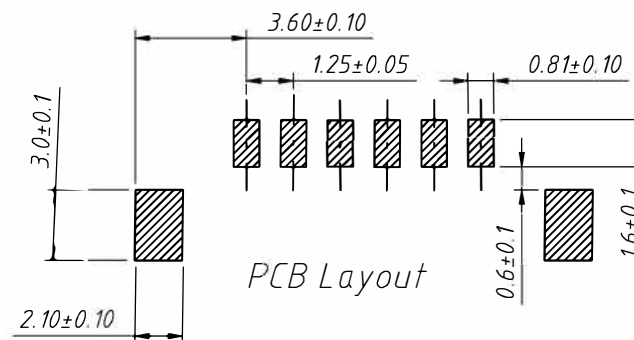
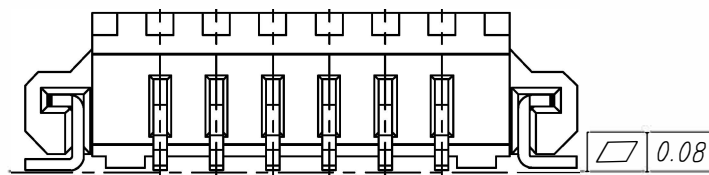
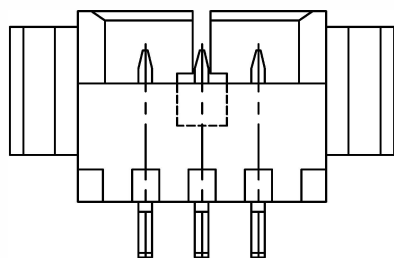


Electrical Specification:
 Voltage rating: 125V AC/DC
 Current rating: 1.0A AC/DC
 Withstand Voltage: 250V AC/minute
 Insulation resistance: 100M Ω min
 Contact resistance: 20m Ω max
 Temperature Range: -25°C ~ + 85°C



Mating Height Drawing

2P:3P



PCB Layout

Circuit	Dimensions(mm)			Circuit	Dimensions(mm)		
	A	B	C		A	B	C
02	1.25	7.25	4.75	10	11.25	17.25	14.25
03	2.50	8.50	5.50	11	12.50	18.50	15.50
04	3.75	9.75	6.75	12	13.75	19.75	16.75
05	5.00	11.00	8.00	13	15.00	21.00	18.00
06	6.25	12.25	9.25	14	16.25	22.25	19.25
07	7.50	13.50	10.50	15	17.50	23.50	20.50
08	8.75	14.75	11.75				
09	10.00	16.00	13.00				

Material:
 Poles: 02 to 15P
 Insulator: Nylon 46, UL 94 V-0
 Colour: Beige
 Contacts: Phosphor Bronze
 Plating: Tin Plated
 Solder Tab: Brass
 Plating: Tin Plated

GENERAL TOLERANCE	PROJECTION		Description:
X. ± 0.30	UNITS	mm	1.25mm SMT 90° Wafer Connector
.X ± 0.20	SCALE	1:1	
.XX ± 0.10	Draw by:	Jenny	KLS P/N: L-KLS1-XL1-1.25-XX-RM-R
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. $\pm 5^\circ$	Date	2018-03-01	
.X $\pm 3^\circ$	SHEET	1 OF 1	
.XX $\pm 2^\circ$			

GENERAL TOLERANCE	PROJECTION		Description:	Packaging Specification
X. ± 0.30	UNITS	mm	Ptich 1.25mm Horizontal SMT	L-KLS1-XL1-1.25-XX-RM-R
.X ± 0.20	SCALE	1:1		
.XX ± 0.10	Draw by:	Jenny		
ANGLE TOLERANCE	Check by:			NingBo KLS ELECTRONIC CO.,LTD.
X. $\pm 5^{\circ}$	Date	2018-03-01		
.X $\pm 3^{\circ}$.XX $\pm 2^{\circ}$	SHEET	1 OF 1		