

PCB Connector Series

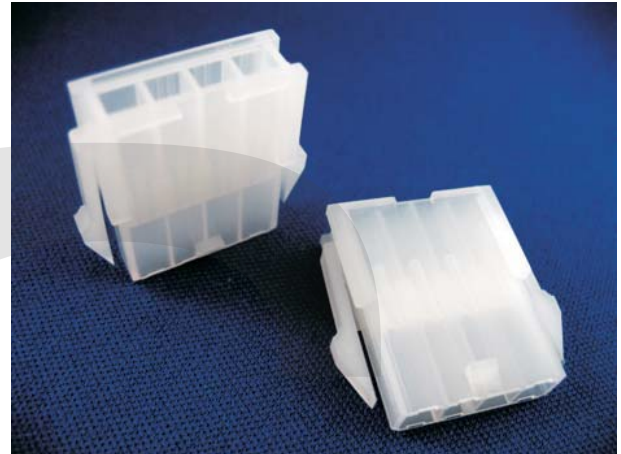
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

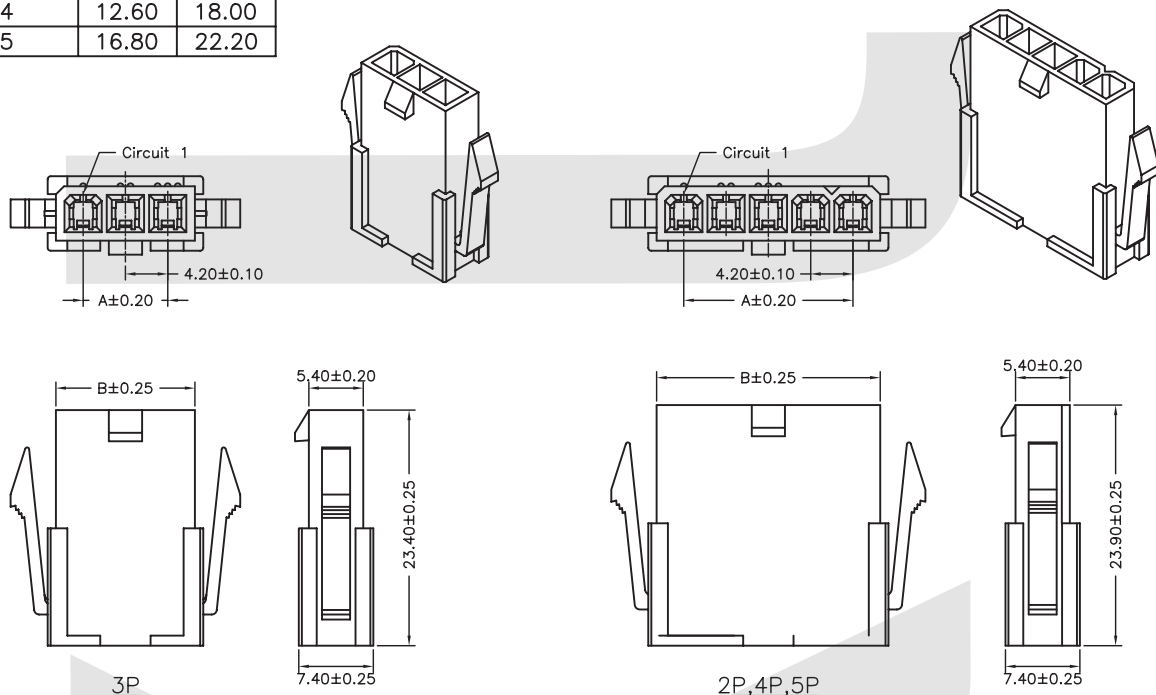
Housing: PA66 (PA66) UL94V-2
Contacts: Phosphor Bronze
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Single layer Female Housing

PART NO.	Dimensions	
	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

mate with terminal p/n: KLS1-4.20-MT



ORDER INFORMATION

Product NO.: KLS1-4.20 -1X05-FH

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing FT=Female Terminal
FH=Female Housing MT=Male Terminal
S=Straight pin R=Right pin
SW=Straight pin with Peg RW=Right pin with Peg
SB=Straight pin Special Type RB=Right pin with Ears

PCB Connector

KLS electronic
www.cnkls.com

PCB Connector Series

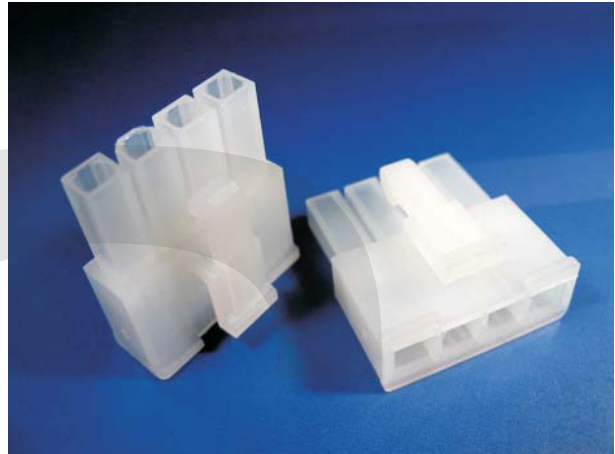
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Phosphor Bronze
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22

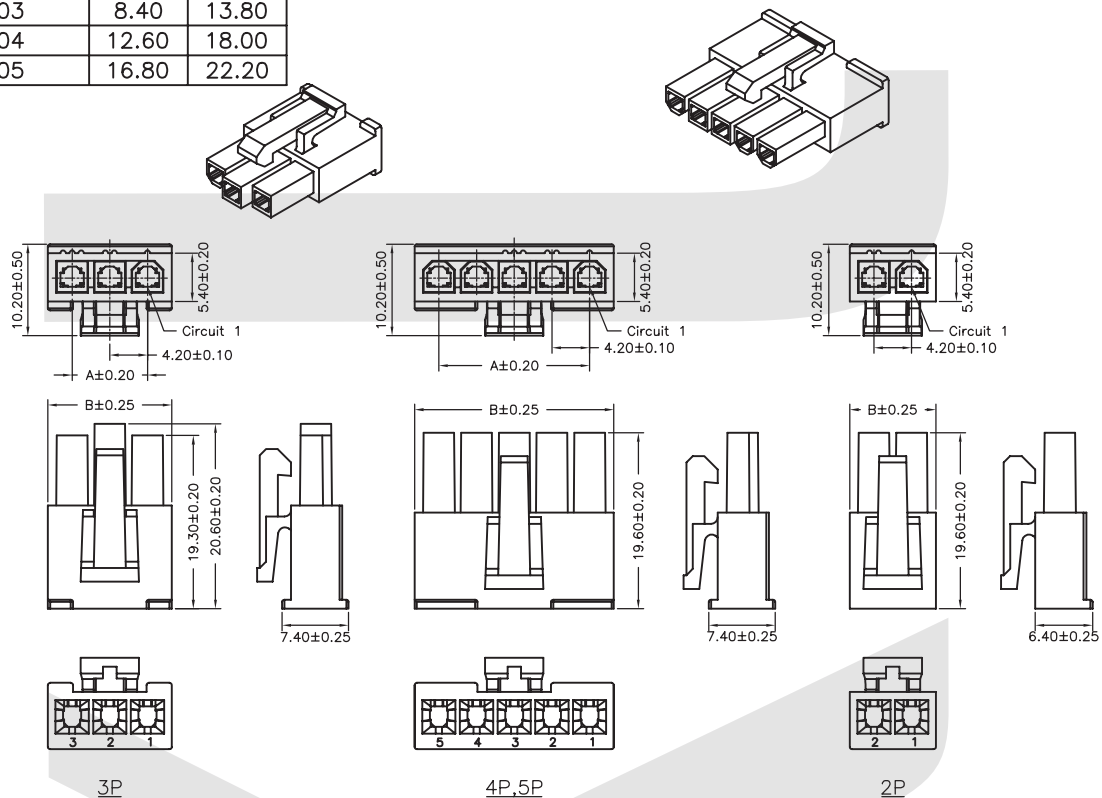


I

Single layer Male Housing

PART NO.	Dimensions	
	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

mate with terminal p/n: KLS1-4.20-FT



ORDER INFORMATION

Product NO.: KLS1-4.20 -1X05- MH

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing
FH=Female Housing
S=Straight pin
SW=Straight pin with Peg
SB=Straight pin Special Type
FT=Female Terminal
MT=Male Terminal
R=Right pin
RW=Right pin with Peg
RB=Right pin with Ears

All specification & dimensions are subject to change, please call your nearest KLS sales representative for update information

PCB Connector

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PCB Connector Series

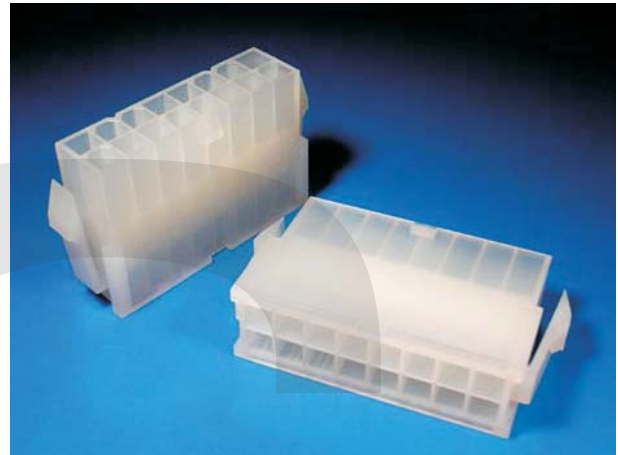
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

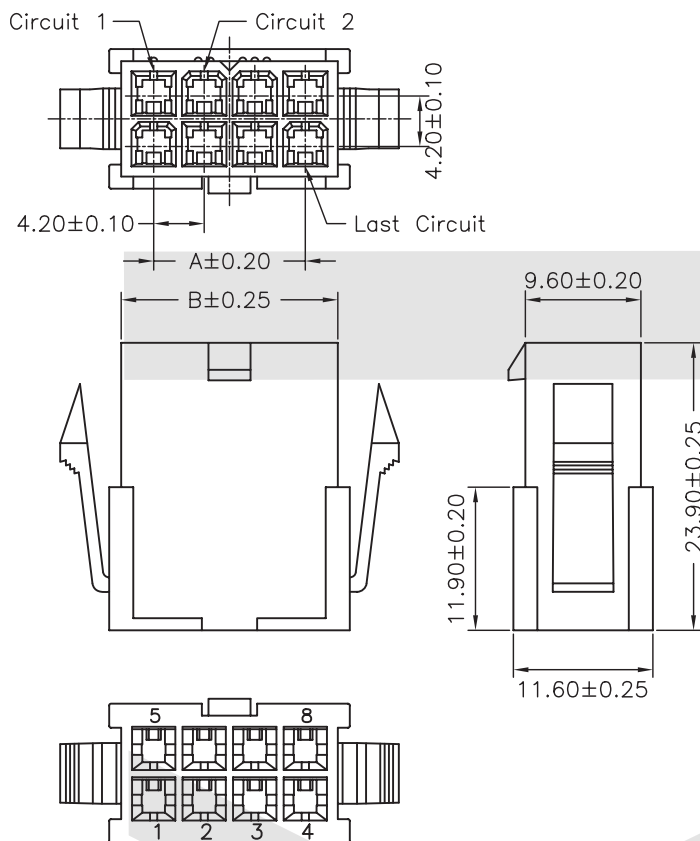
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

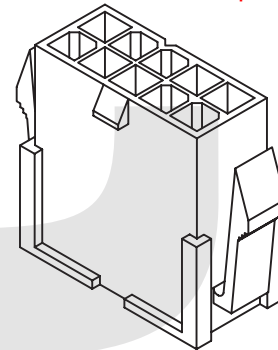
Housing: PA66 (PA66) UL94V-2
Contacts: Phosphor Bronze
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Double layer Female Housing



mate with terminl p/n: KLS1-4.20-MT



PART NO.	Dimensions	
	A	B
2X01	---	5.40
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05-FH

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing FT=Female Terminal
FH=Female Housing MT=Male Terminal
S=Straight pin R=Right pin
SW=Straight pin with Peg RW=Right pin with Peg
SB=Straight pin Special Type RB=Right pin with Ears

All specification & dimensions are subject to change, please call your nearest KLS sales representative for update information

PCB Connector

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PCB Connector Series

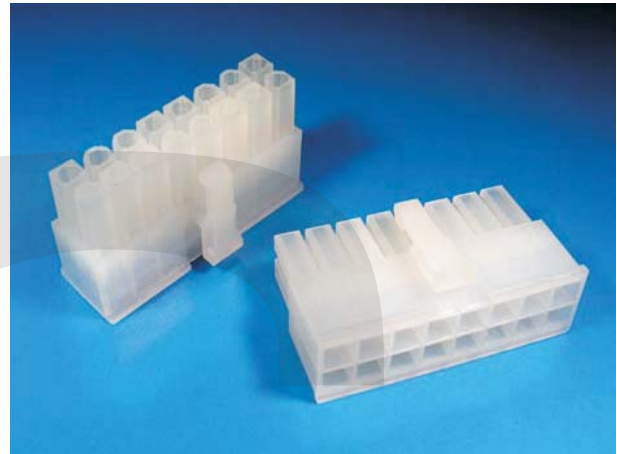
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

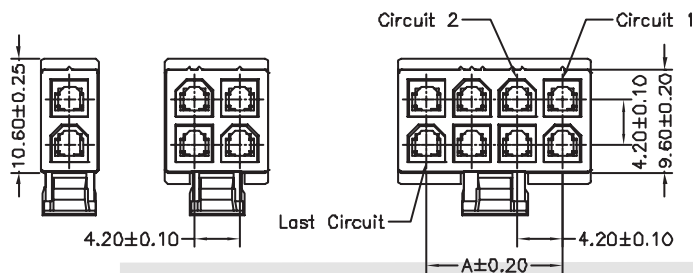
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

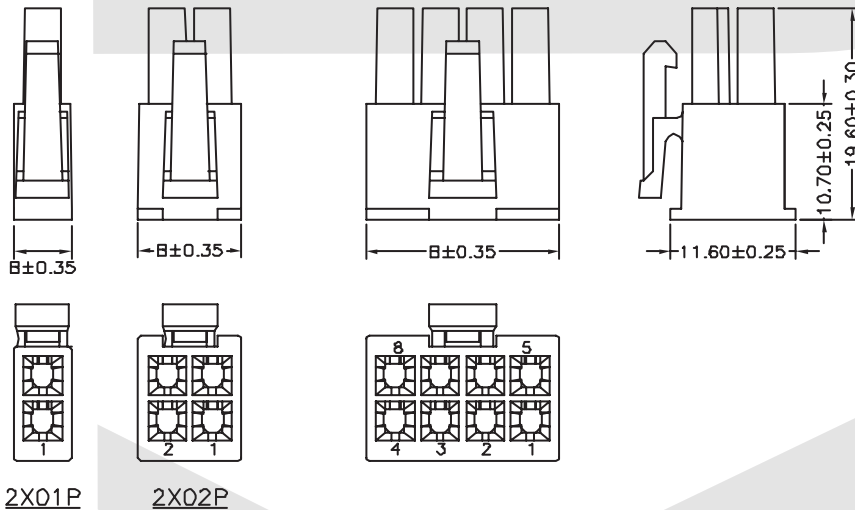
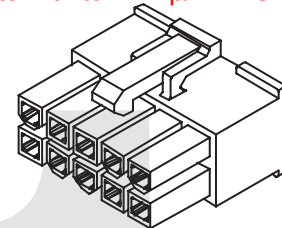
Housing: PA66 (PA66) UL94V-2
Contacts: Phosphor Bronze
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Double layer Male Housing



mate with terminl p/n: KLS1-4.20-FT



PART NO.	Dimensions	
	A	B
2X01	---	5.70
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05- MH

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing
FH=Female Housing
S=Straight pin
SW=Straight pin with Peg
SB=Straight pin Special Type
FT=Female Terminal
MT=Male Terminal
R=Right pin
RW=Right pin with Peg
RB=Right pin with Ears

All specification & dimensions are subject to change, please call your nearest KLS sales representative for update information

PCB Connector Series

KLS1-4.20 Pitch=4.20mm TYPE

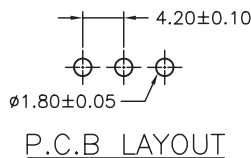
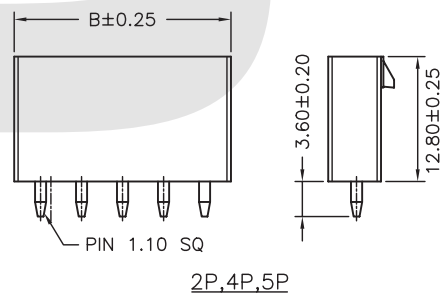
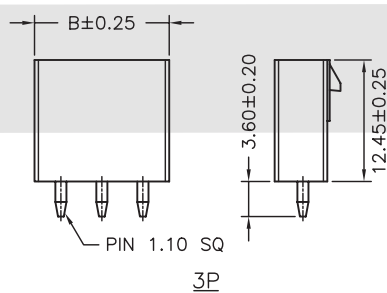
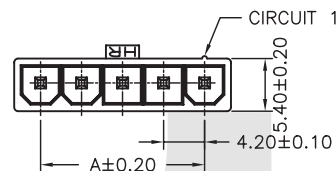
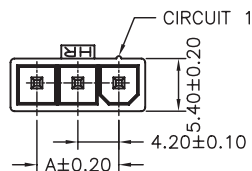
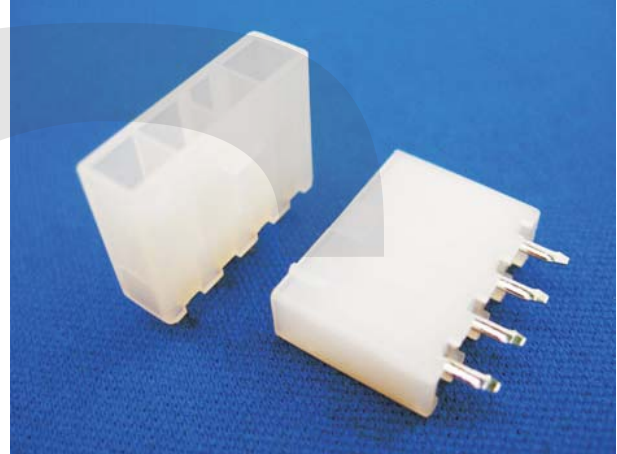
Electrical Specification:

Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22

Single layer Straight pin



PART NO.	Dimensions	
	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

ORDER INFORMATION

Product NO.: KLS1-4.20 -1X05- S

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing
FH=Female Housing
S=Straight pin
SW=Straight pin with Peg
SB=Straight pin Special Type
FT=Female Terminal
MT=Male Terminal
R=Right pin
RW=Right pin with Peg
RB=Right pin with Ears

PCB Connector

PCB Connector Series

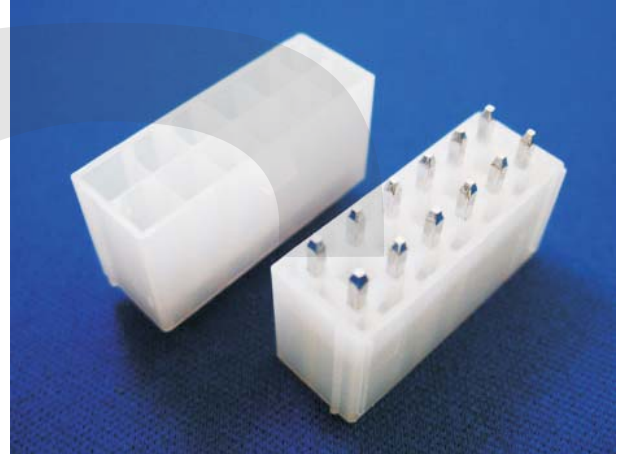
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

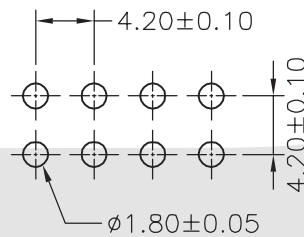
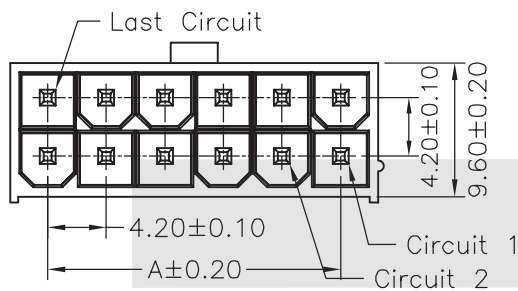
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

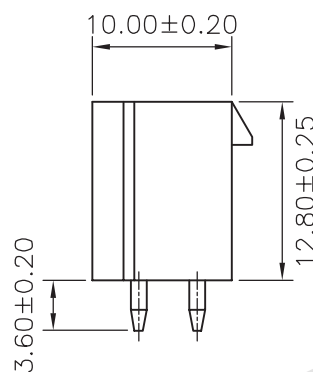
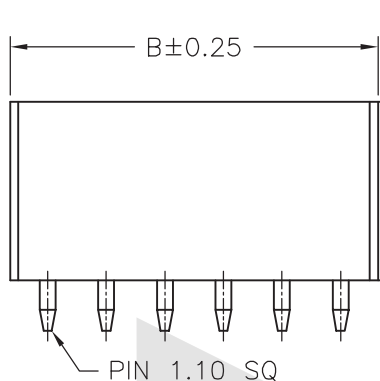
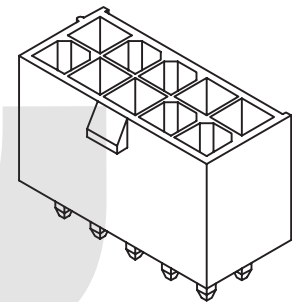
Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Double layer Straight pin



P.C.B LAYOUT



PART NO.	Dimensions	
	A	B
2X01	---	5.40
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05- S

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing
FH=Female Housing
S=Straight pin
SW=Straight pin with Peg
SB=Straight pin Special Type
FT=Female Terminal
MT=Male Terminal
R=Right pin
RW=Right pin with Peg
RB=Right pin with Ears

PCB Connector Series

KLS1-4.20 Pitch=4.20mm TYPE

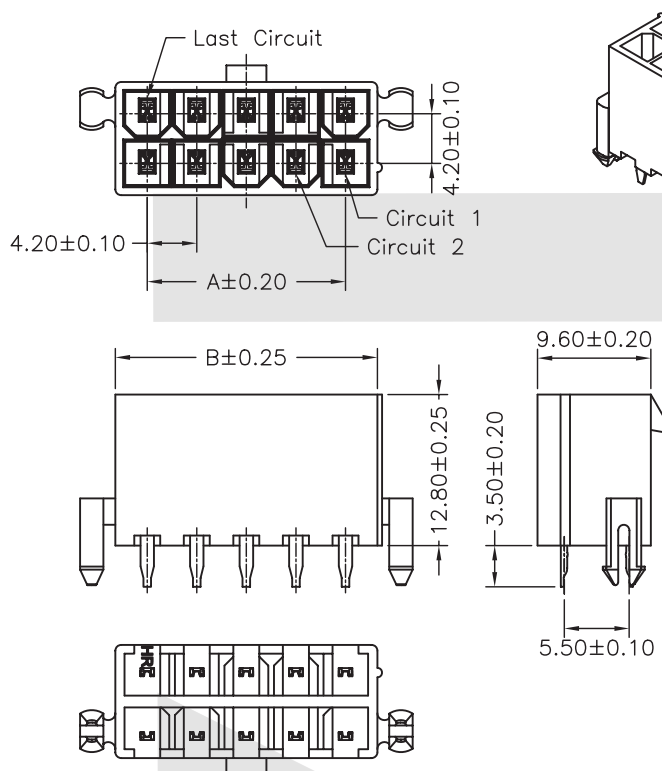
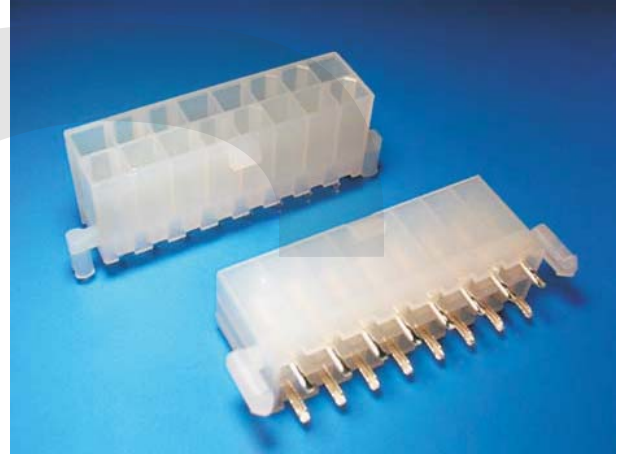
Electrical Specification:

Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

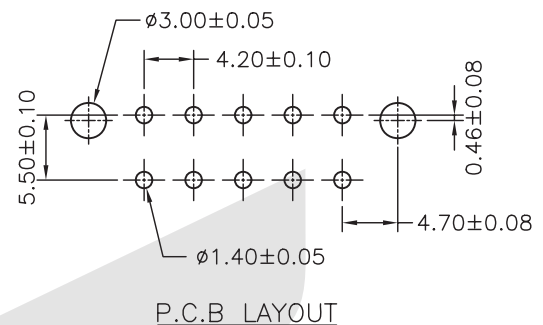
Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22

Double layer Straight pin With Peg



PART NO.	Dimensions	
	A	B
2X01	---	5.40
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60



ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05-SW

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing FH=Female Housing S=Straight pin SW=Straight pin with Peg SB=Straight pin Special Type FT=Female Terminal MT=Male Terminal R=Right pin RW=Right pin with Peg RB=Right pin with Ears

PCB Connector Series

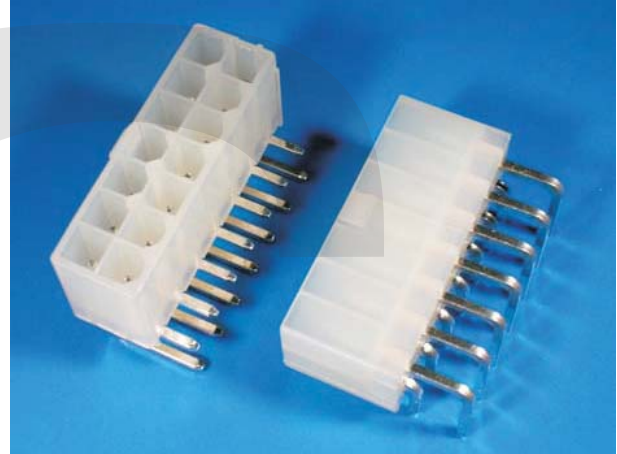
KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

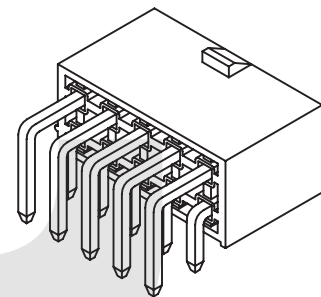
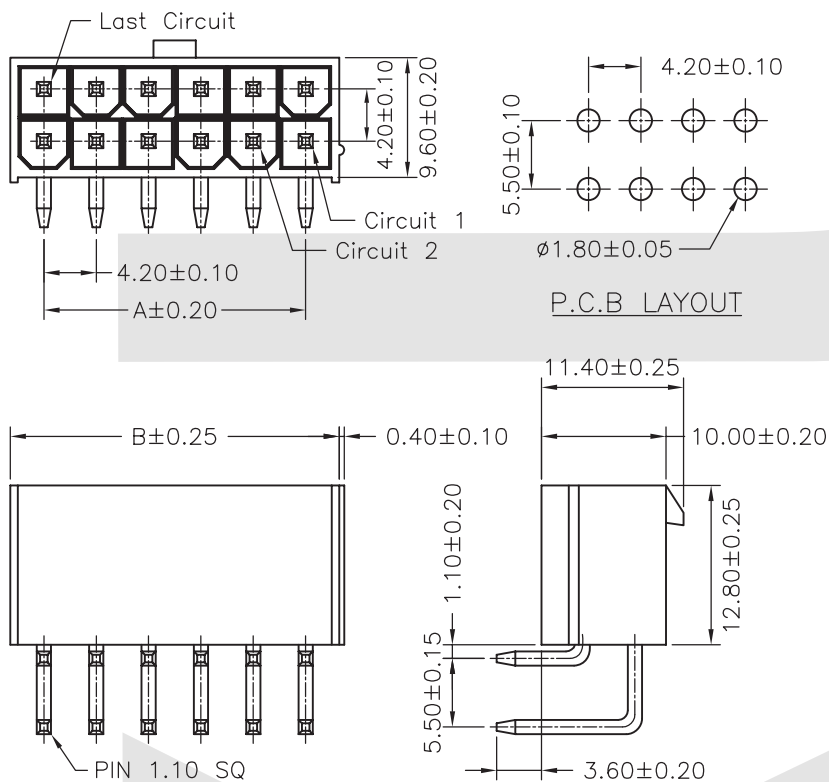
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Double layer Right pin



PART NO.	Dimensions	
	A	B
2X01	---	5.40
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05- R

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing FT=Female Terminal
FH=Female Housing MT=Male Terminal
S=Straight pin R=Right pin
SW=Straight pin with Peg RW=Right pin with Peg
SB=Straight pin Special Type RB=Right pin with Ears

PCB Connector Series

KLS1-4.20 Pitch=4.20mm TYPE

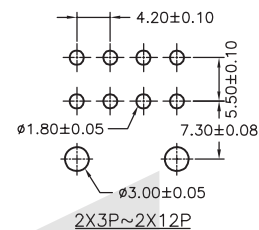
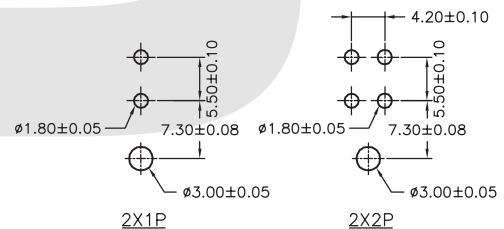
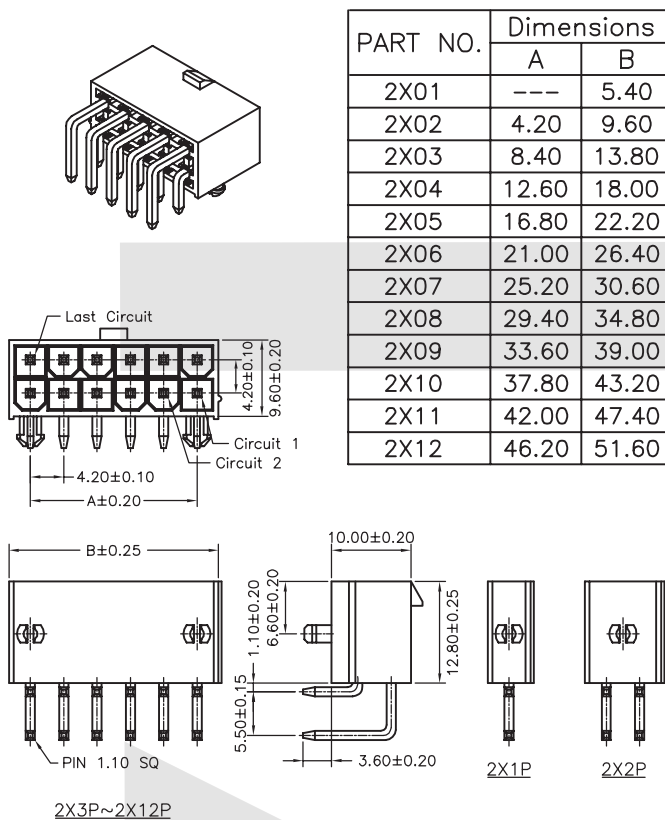
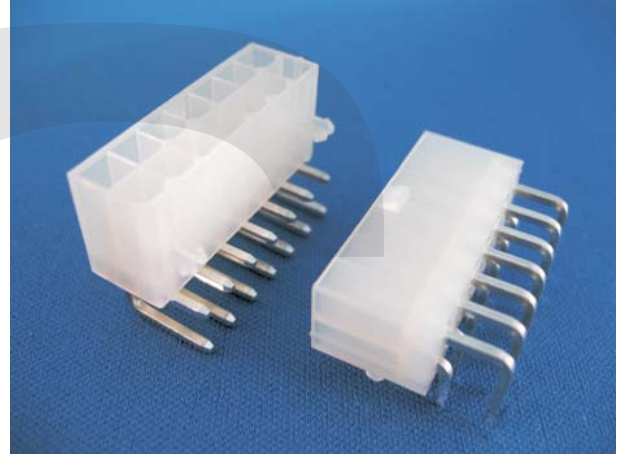
Electrical Specification:

Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22

Double layer Right pin With Peg



P.C.B. LAYOUT

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05-RW

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing
FH=Female Housing
S=Straight pin
SW=Straight pin with Peg
SB=Straight pin Special Type
FT=Female Terminal
MT=Male Terminal
R=Right pin
RW=Right pin with Peg
RB=Right pin with Ears

PCB Connector Series

KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

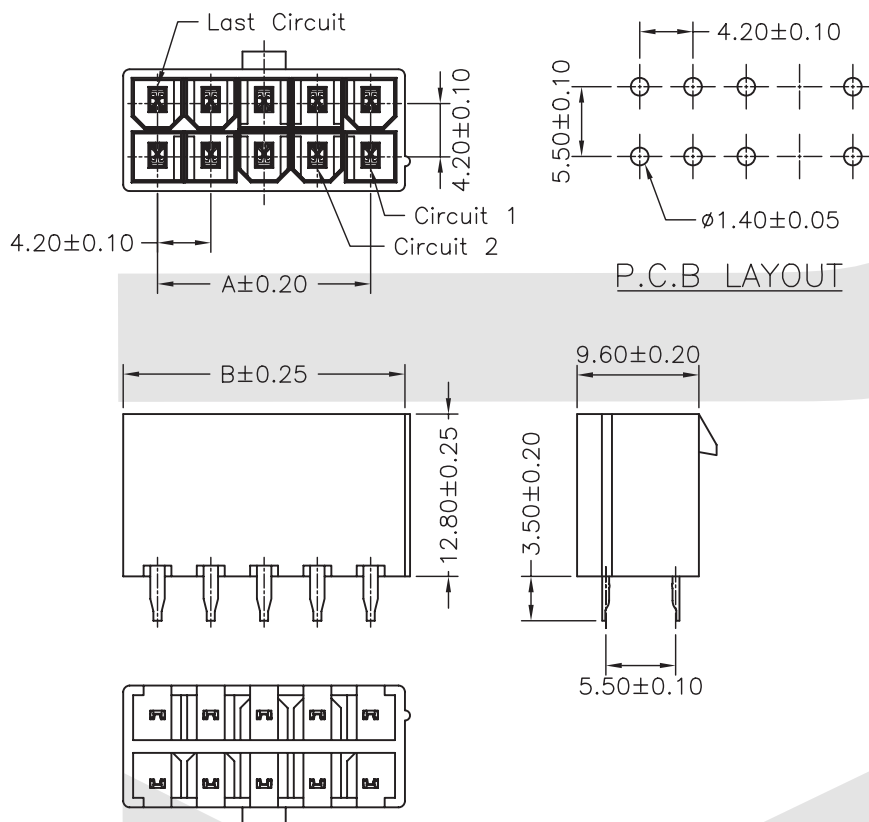
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Double layer Straight pin



PART NO.	Dimensions	
	A	B
2X01	---	5.40
2X02	4.20	9.60
2X03	8.40	13.80
2X04	12.60	18.00
2X05	16.80	22.20
2X06	21.00	26.40
2X07	25.20	30.60
2X08	29.40	34.80
2X09	33.60	39.00
2X10	37.80	43.20
2X11	42.00	47.40
2X12	46.20	51.60

ORDER INFORMATION

Product NO.: KLS1-4.20 -2X05-SB

Pitch: 4.20=4.20mm
Pins: 1-Single layer
Pin Number: 2~12Pin

2-Double layer

Type: MH=Male Housing FT=Female Terminal
FH=Female Housing MT=Male Terminal
S=Straight pin R=Right pin
SW=Straight pin with Peg RW=Right pin with Peg
SB=Straight pin Special Type RB=Right pin with Ears

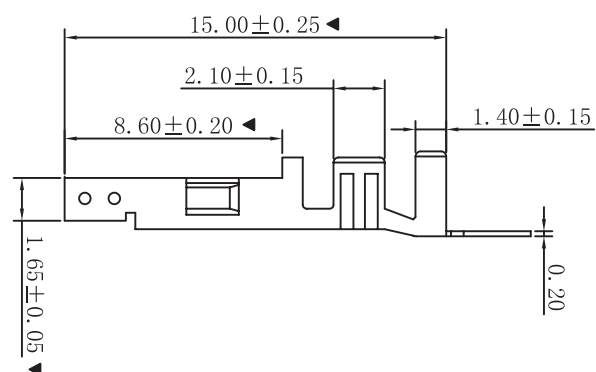
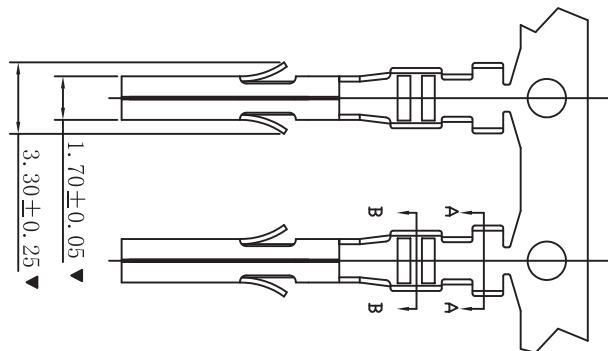
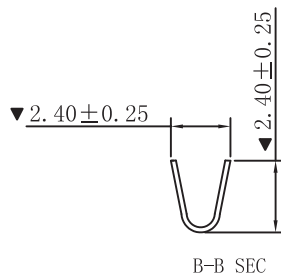
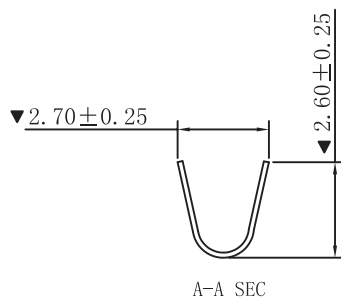
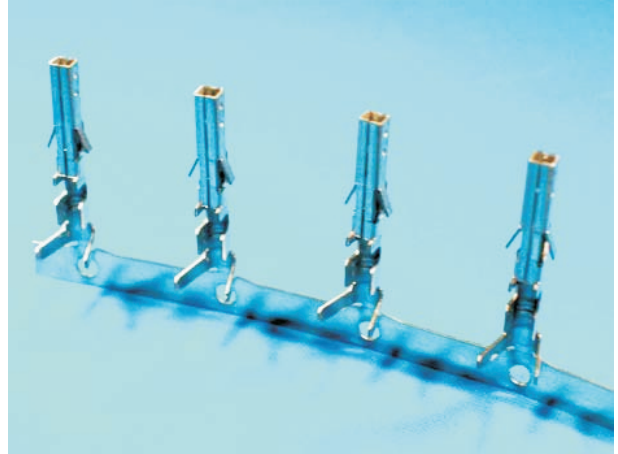
PCB Connector Series
KLS1-4.20 Pitch=4.20mm TYPE
Electrical Specification:

Rated Voltage: 300V AC/DC
 Rated Current: 9A
 Contact Resistance: 0.015Ω max
 Insulation Resistance: 1000MΩ min
 Withstand voltage: 1500V AC/MIN
 Temperature range for usage: -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
 Contacts: Brass
 Plating: Tin 50u" over 100u" nickel
 Wire range : AWG#30~#22

Fem ale Terminal


ORDER INFORMATION
Product NO.: KLS1-4.20 -FT

Pitch: 4.20=4.20mm

Type: MH=Male Housing FT=Female Terminal
 FH=Female Housing MT=Male Terminal
 S=Straight pin R=Right pin
 SW=Straight pin with Peg RW=Right pin with Peg
 SB=Straight pin Special Type RB=Right pin with Ears

PCB Connector Series

KLS1-4.20 Pitch=4.20mm TYPE

Electrical Specification:

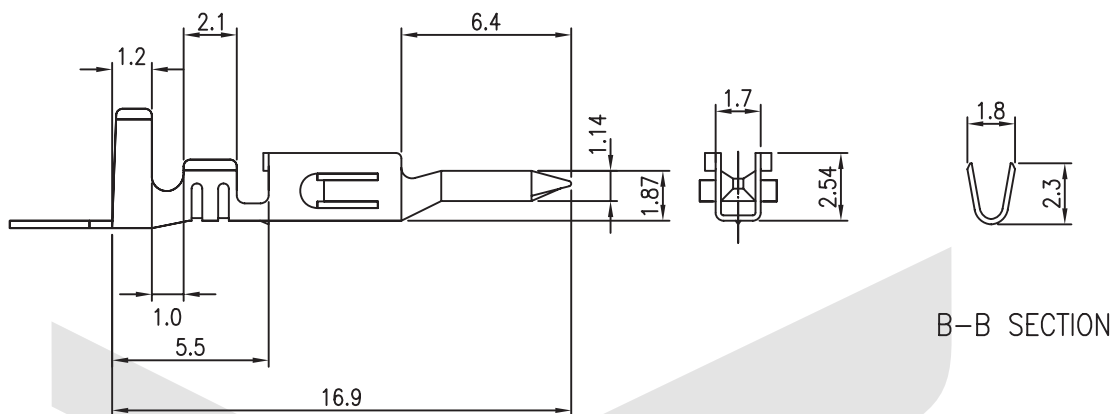
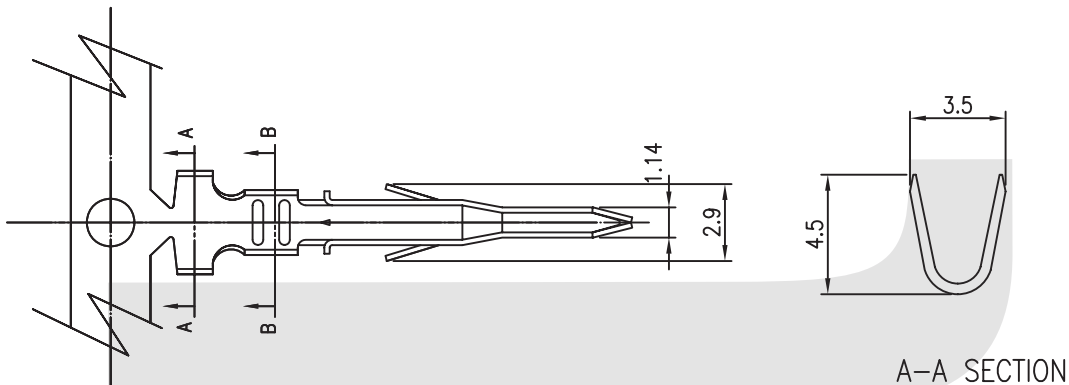
Rated Voltage: 300V AC/DC
Rated Current: 9A
Contact Resistance: 0.015Ω max
Insulation Resistance: 1000MΩ min
Withstand voltage: 1500V AC/MIN
Temperature range for usage : -40°C~+105°C

Material:

Housing: PA66 (PA66) UL94V-2
Contacts: Brass
Plating: Tin 50u" over 100u" nickel
Wire range : AWG#30~#22



Male Terminal



ORDER INFORMATION

Product NO.: KLS1-4.20 -MT

Pitch: 4.20=4.20mm

Type: MH=Male Housing FT=Female Terminal
FH=Female Housing MT=Male Terminal
S=Straight pin R=Right pin
SW=Straight pin with Peg RW=Right pin with Peg
SB=Straight pin Special Type RB=Right pin with Ears

PCB Connector Series

KLS1-4.20-1XN-SW

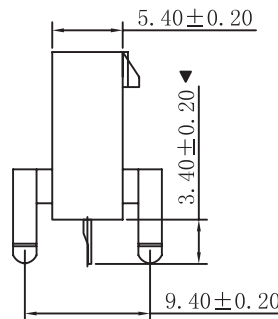
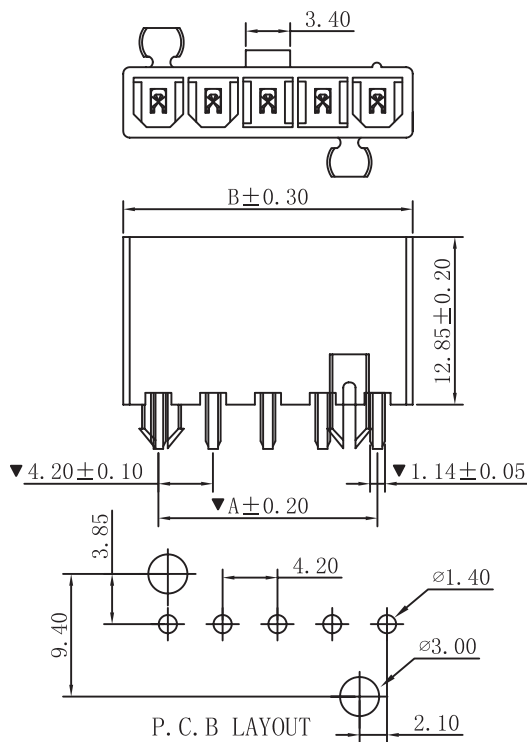
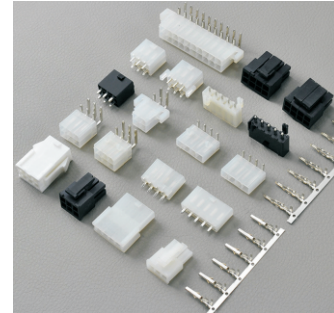
Pitch=4.20mm Type

■ SPECIFICATIONS

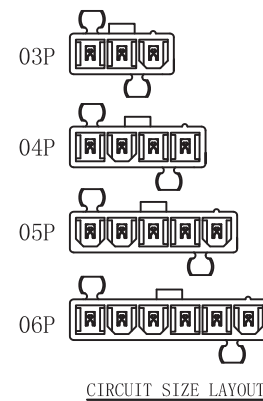
- Voltage rating: 600V AC, DC
- Current rating: 7A, AC, DC
- Withstanding Voltage: 1500V AC/minute
- Insulation resistance: 1000M Ω min
- Temperature range: -25° C~+85° C
- Contact resistance: 20m Ω max

■ WAFER

- Part No. : W4202VTTD-1xNP-XXXX
- Poles : 03-06P
- Housing Material: Nylon66 UL94V-2 or UL94V-0
- Pin Material: Brass
- Contact Area Plating: Tin-Plated or Gold-Flash
- Mates With: H4201 Single row receptacle
- The Dimension Marked "▼" Must Be Recorded



PART NO.	Dimensions (mm)	
	A	B
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20
06	21.00	26.40



ORDER INFORMATION

Product NO. : KLS1-4.20-1XN-SW

Pitch:4.20mm