

A

B

C

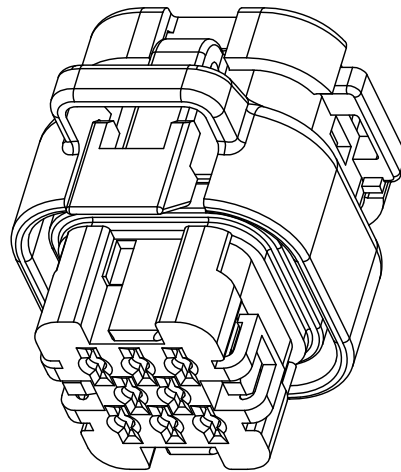
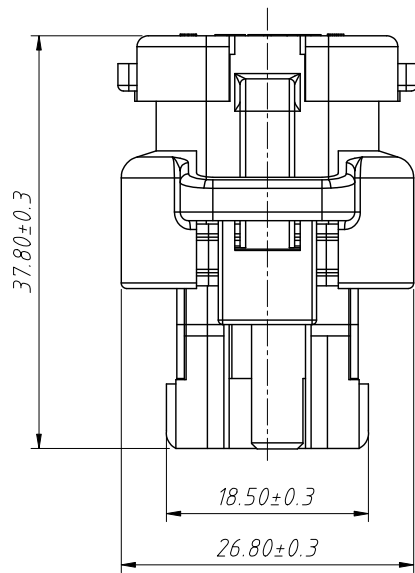
D

E

F

G

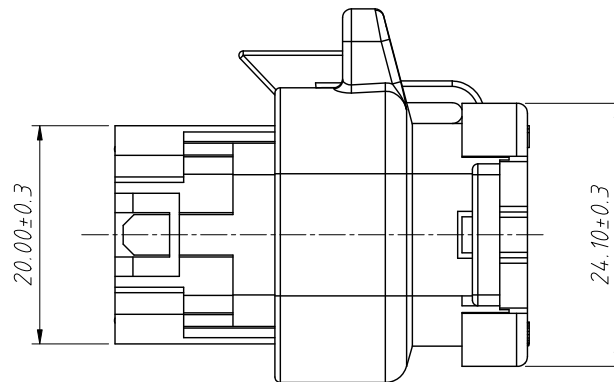
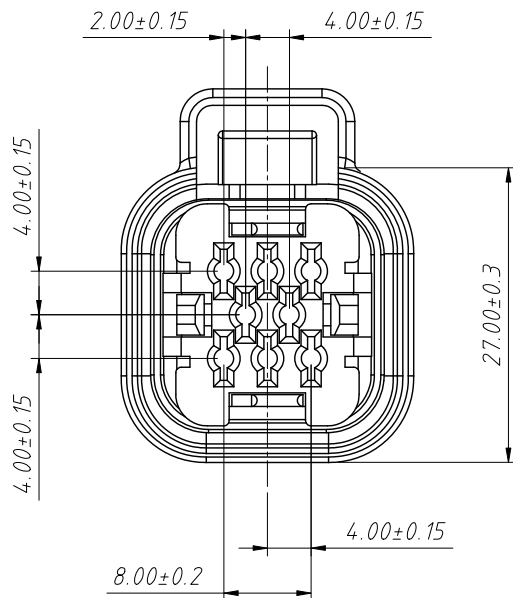
H



Material:
Housing:PBT,Black.

Technical Features:

- No of Positions:8P
- Applicable Terminal P/N :L-KLS13-CA004-T
- Wire Range:AVSS,AVSSH-F 0.5~1.25mm²
- Temperature Range:-40°C to 125°C
- Fully sealed and submersible IP67rating



Order Information:

L-KLS13-CA004-08-H-IP67

L: RoHS
Serial No
XX-No.of pins
Type:
H-Housing
S-Vertical Header
R-Horizontal Header
T-Terminal
Waterproof:IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				8 Pin AMPSEAL Connector Housing,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-08-H-IP67
x.x	±0.30	SHEET SIZE	A4		
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	

A

B

C

D

E

F

G

H

1
RoHS Compliance

2

3

4

5

6

7

8

A

B

C

D

E

F

G

H

A

B

C

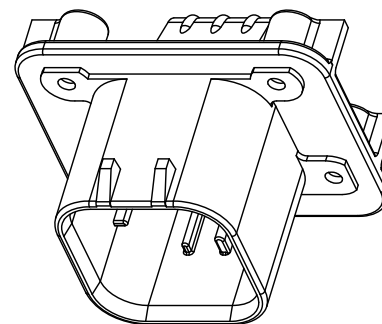
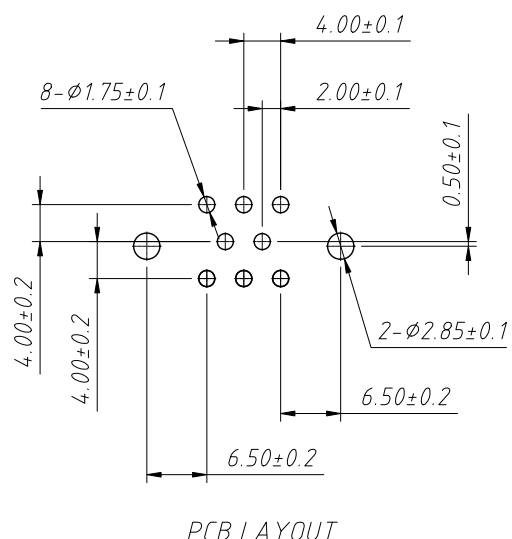
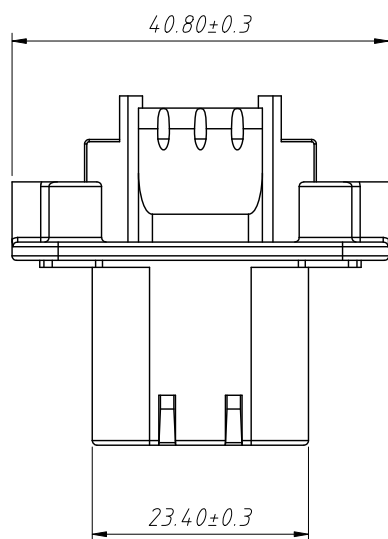
D

E

F

G

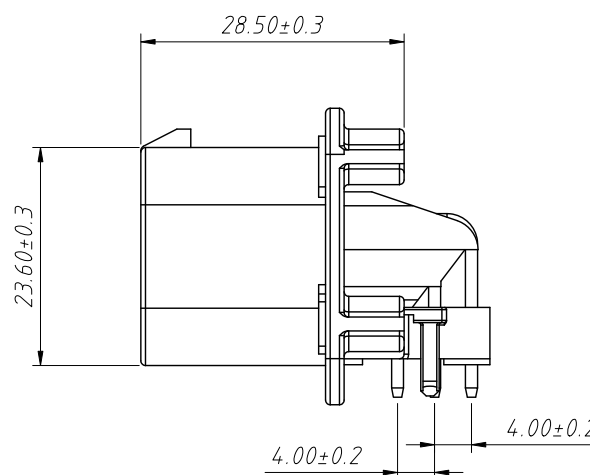
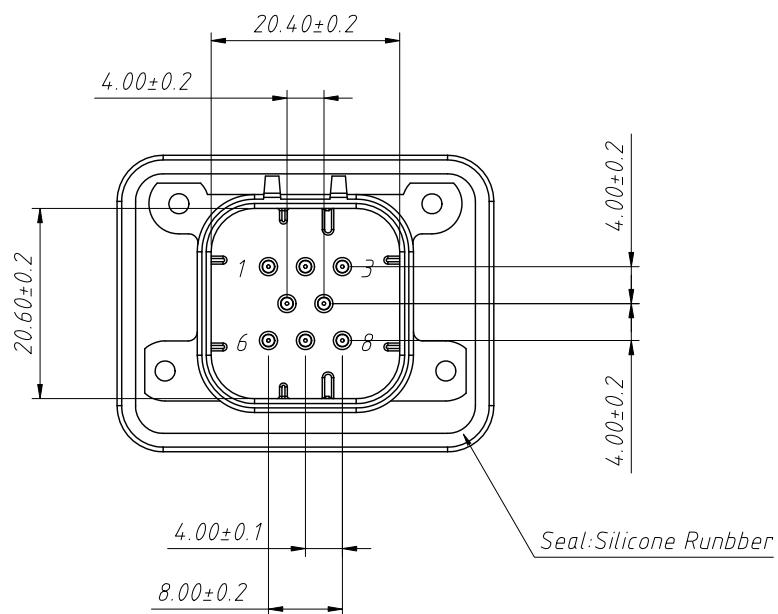
H



Material:
Housing:PBT,Black
Contacts: Brass
Finish:Pre-Tin

Technical Features:

1. No of Positions:8P
2. The Mating Female Housing
P/N:L-KLS13-CA004-08-H
3. Current Rating:17A
4. Temperature Range:-40°C to 125°C
5. Fully sealed and submersible IP67rating



Order Information:

L-KLS13-CA004-08-R-IP67

L: RoHS

Serial No

XX-No of pins

Type:

H-Housing T-Terminal

S-Vertical Header

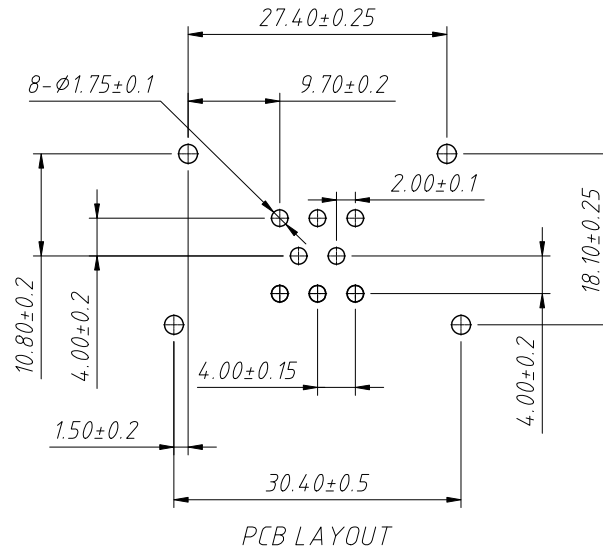
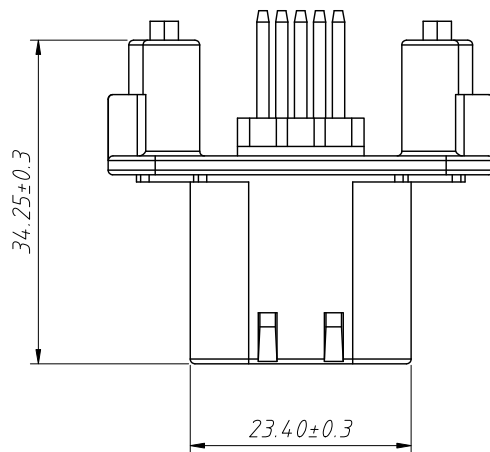
R-Horizontal Header

Waterproof:IP67 Rating

With Flange Seal

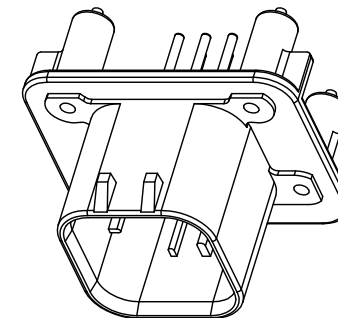
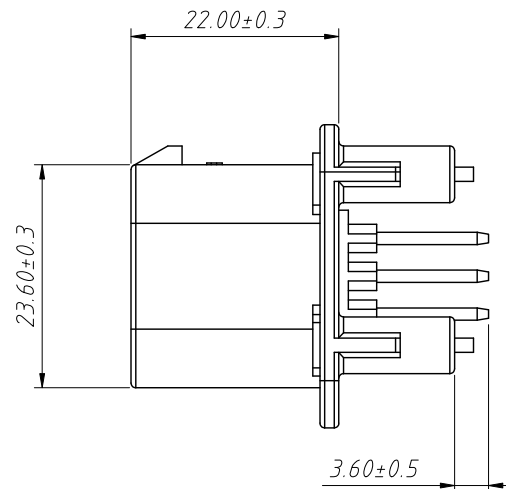
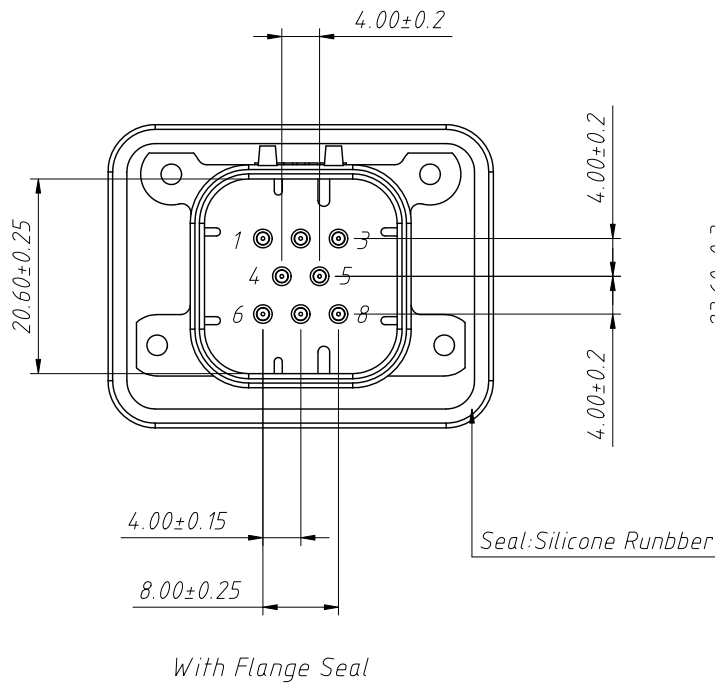
ANGLE TOLERANCE		PROJECTION		Description:	
±3°				8 Pin AMPSEAL Connector Horizontal HEADER ,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	
x.x	±0.30	SHEET SIZE	A4	L-KLS13-CA004-08-R-IP67	
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	

RoHS Compliance



Material:
Housing:PBT,Black
Contacts: Brass
Finish:Pre-Tin

- Technical Features:
1. No of Positions:8P
 2. The Mating Female Housing
P/N:L-KLS13-CA004-08-H
 3. Current Rating:8A
 4. Temperature Range:-40°C to 125°C
 5. Fully sealed and submersible IP67rating

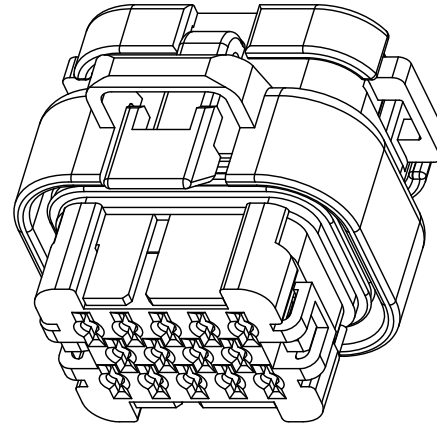
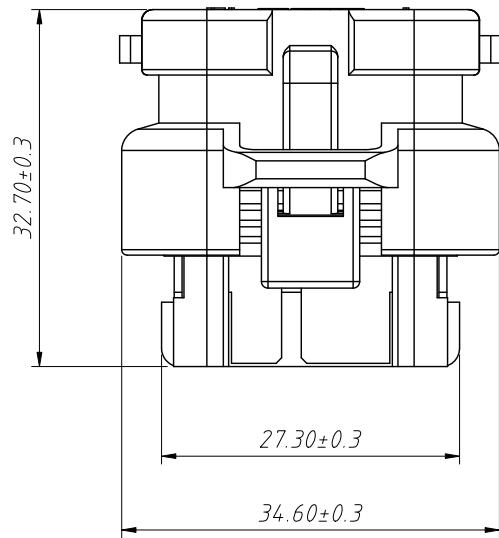


Order Information:
L-KLS13-CA004-08-S-IP67

L: RoHS
Serial No
XX-No.of pins
Type:
H-Housing
S-Vertical Header
R-Horizontal Header
T-Terminal
Waterproof:IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				8 Pin AMPSEAL Connector Vertical Header ,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-08-S-IP67
x.x	±0.30	SHEET SIZE	A4		
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	

RoHS Compliance

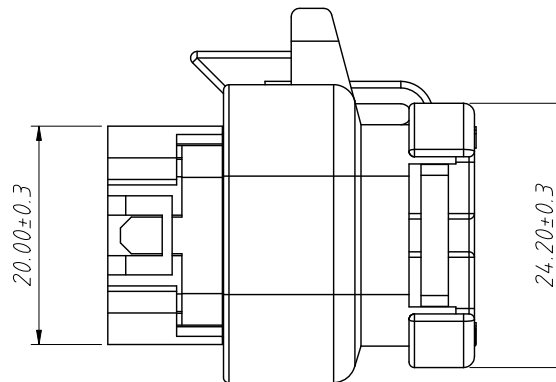
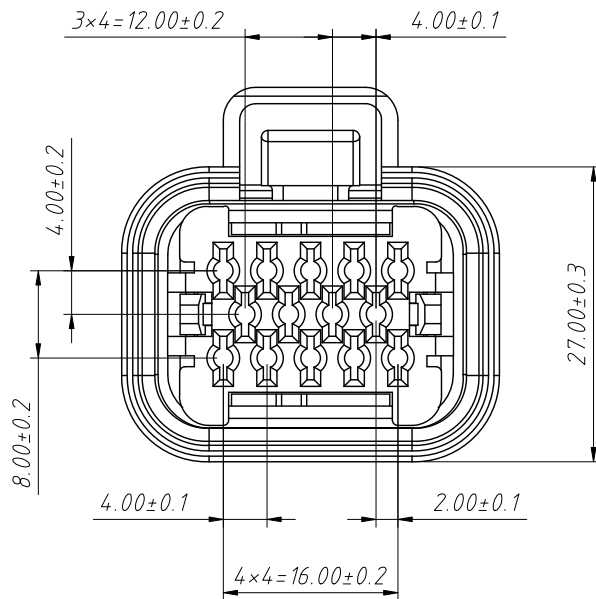


Material:

Housing:PBT,Black.

Technical Features:

1. No of Positions:14P
2. Applicable Terminal P/N:L-KLS13-CA004-T
3. Wire Range:AVSS,AVSSH-F 0.5~1.25mm²
4. Temperature Range:-40°C to 125°C
5. Fully sealed and submersible IP67rating



Order Information:

L-KLS13-CA004-14-H-IP67

L: RoHS

Serial No

XX-No.of pins

Type:

H-Housing

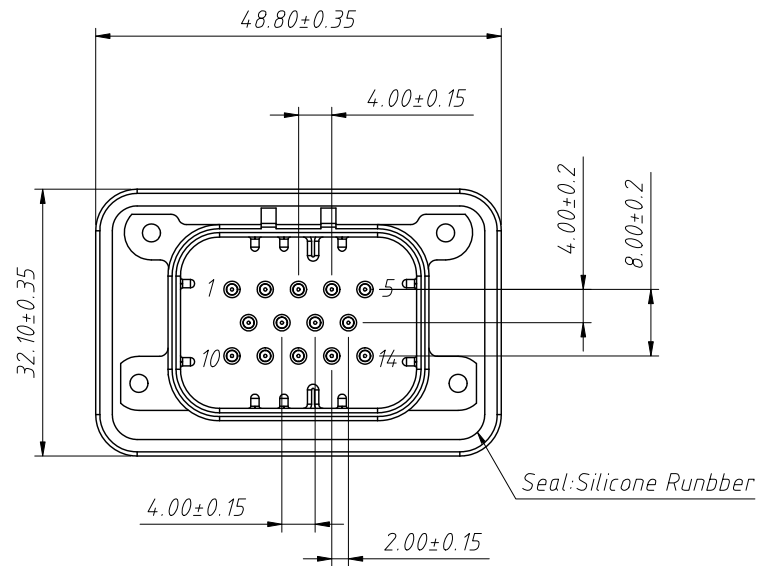
S-Vertical Header

R-Horizontal Header

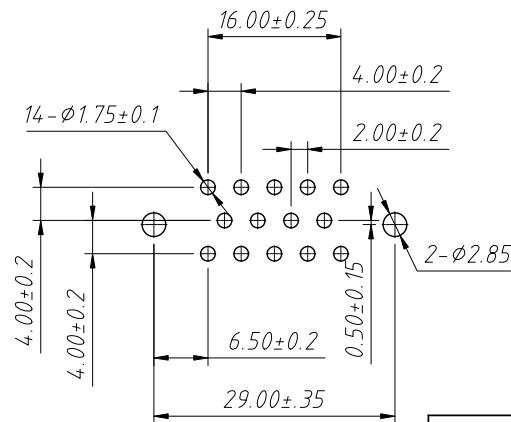
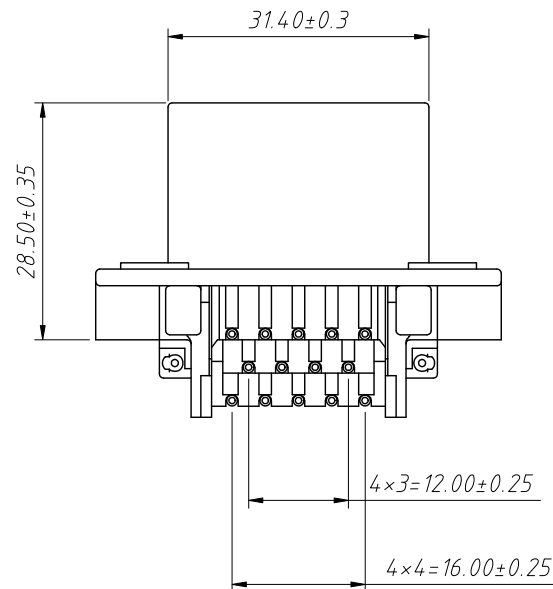
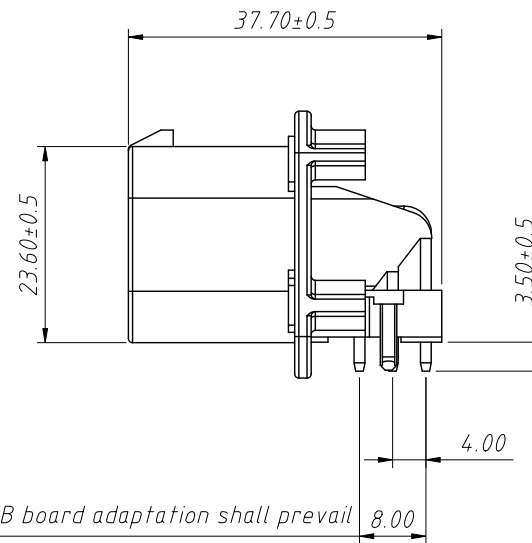
T-Terminal

Waterproof:IP67 Rating

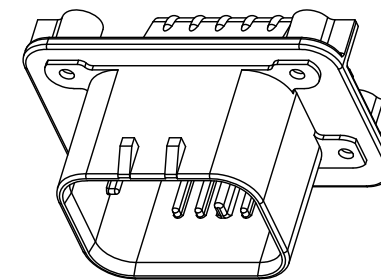
ANGLE TOLERANCE		PROJECTION		Description:	
±3°				14 Pin AMPSEAL Connector Housing,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-14-H-IP67
x.x	±0.30	SHEET SIZE	A4		
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	



With Flange Seal



PCB LAYOUT



Material:

Housing: PBT, Black

Contacts: Brass

Finish: Pre-Tin

Technical Features:

1. No of Positions: 14P

2. The Mating Female Housing

P/N: L-KLS13-CA004-14-H

3. Current Rating: 8A

4. Temperature Range: -40°C to 125°C

5. Fully sealed and submersible IP67 rating

Order Information:

L-KLS13-CA004-14-R-IP67

L: RoHS

Serial No

XX-No. of pins

Type:

H-Housing T-Terminal

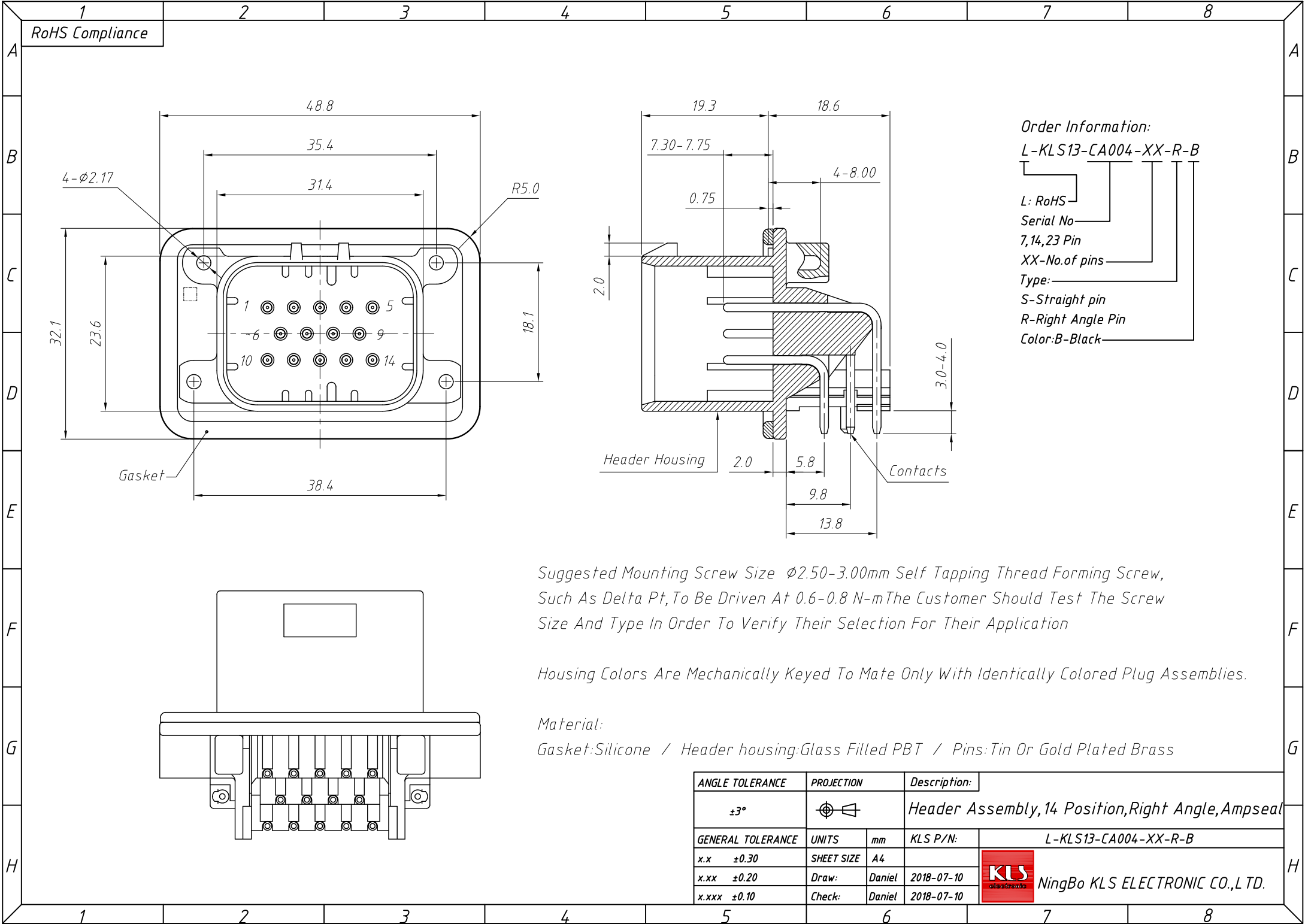
S-Vertical Header

R-Horizontal Header

Waterproof: IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				14 Pin AMPSEAL Connector Horizontal HEADER ,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-14-R-IP67
x.x	±0.30	SHEET SIZE	A4		
x.xx	±0.20	Draw:	Daniel	2018-07-10	
x.xxx	±0.10	Check:	Daniel	2018-07-10	

NingBo KLS ELECTRONIC CO.,L TD.



1
RoHS Compliance

2

3

4

5

6

7

8

A

B

C

D

E

F

G

H

A

B

C

D

E

F

G

H

Order Information:
L-KLS13-CA004-XX-R-B
L: RoHS
Serial No
7,14,23 Pin
XX-No.of pins
Type:
S-Straight pin
R-Right Angle Pin
Color:B-Black

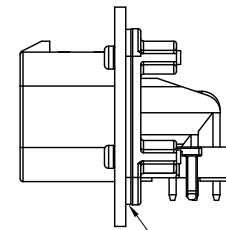
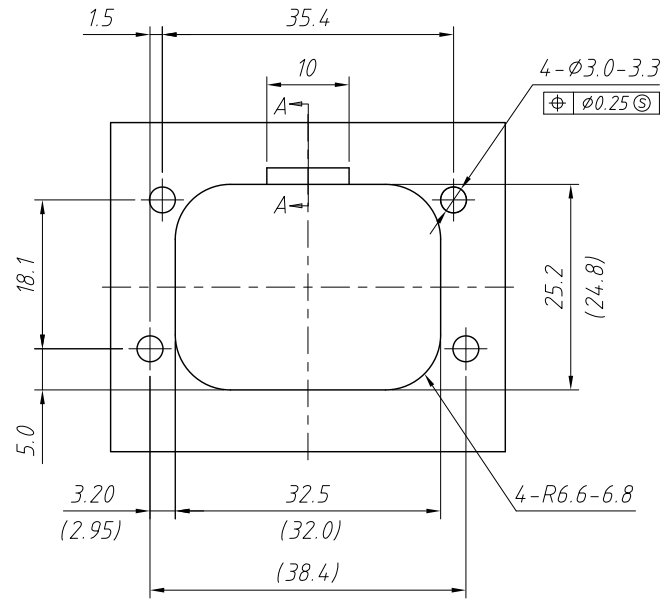
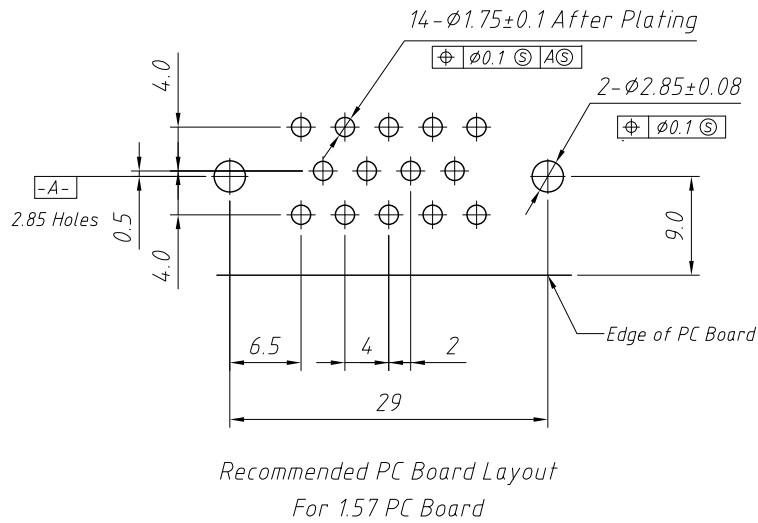
Suggested Mounting Screw Size $\phi 2.50-3.00\text{mm}$ Self Tapping Thread Forming Screw, Such As Delta Pt, To Be Driven At 0.6-0.8 N-m The Customer Should Test The Screw Size And Type In Order To Verify Their Selection For Their Application

Housing Colors Are Mechanically Keyed To Mate Only With Identically Colored Plug Assemblies.

Material:

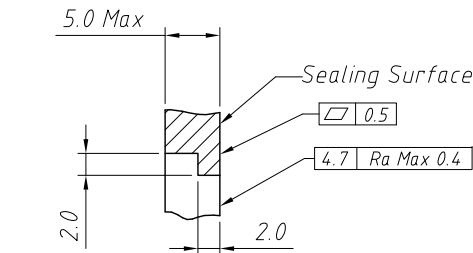
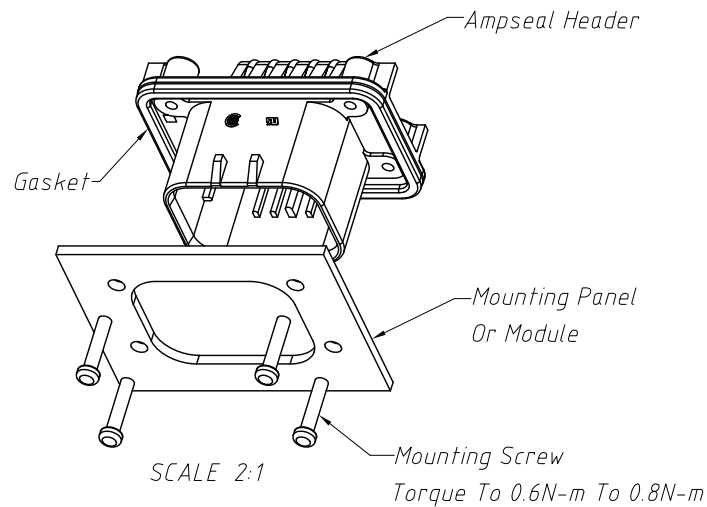
Gasket:Silicone / Header housing:Glass Filled PBT / Pins:Tin Or Gold Plated Brass

ANGLE TOLERANCE		PROJECTION		Description:	
$\pm 3^{\circ}$				Header Assembly,14 Position,Right Angle,Ampseal	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-XX-R-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	

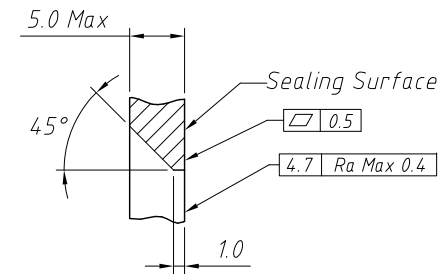


SCALE 2:1

Ensure The Header Is Flush To The Panel Face All Around Before Tightening To Final Torque

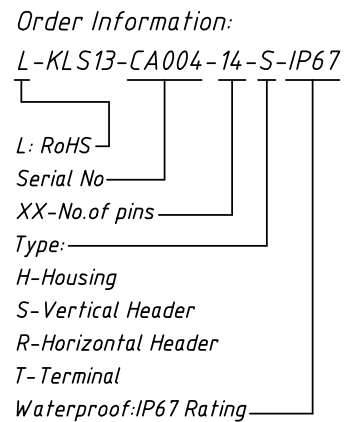


Section A-A
Optional Construction If
Thickness Is Greater Than 2.0



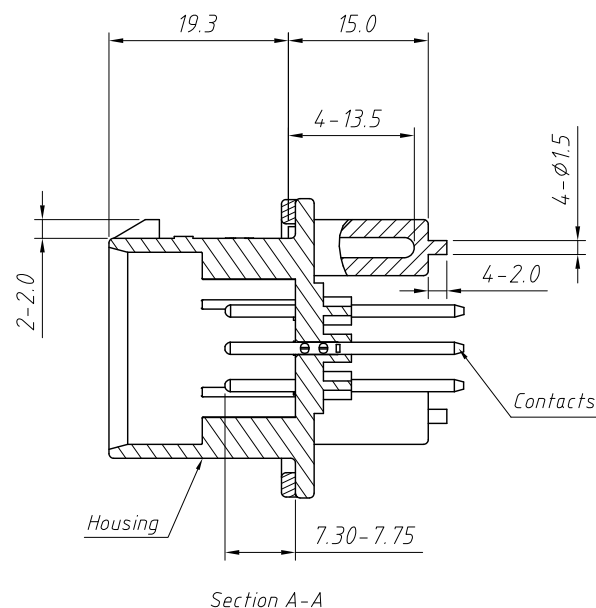
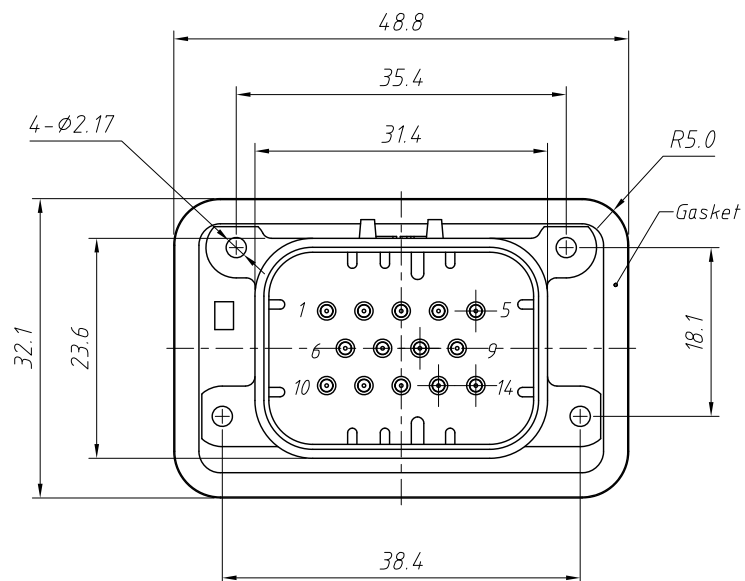
Section A-A
Optional Construction If
Thickness Is Greater Than 2.0

ANGLE TOLERANCE		PROJECTION		Description:	
$\pm 3^\circ$				Header Assembly, 14 Position, Right Angle, Ampseal	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-XX-R-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	



With Flange Seal





Order Information:

L-KLS13-CA004-14-S-B

L: RoHS

Serial No

7,14,23 Pin

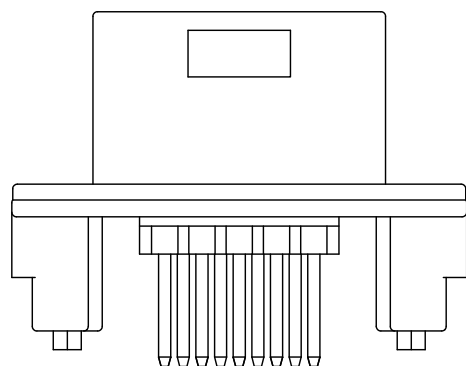
XX-No. of pins

Type:

S-Straight pin

R-Right Angle Pin

Color:B-Black



Suggested Mounting Screw Size Is $\phi 2.50-3.00$ mm Self Tapping Thread Forming Screw, Such As Delta Pt, To Be Driven At 0.6-0.8 N-m The Customer Should Test The Screw Size And Type In Order To Verify Their Selection For Their Application

Housing Colors Are Mechanically Keyed To Mate Only With Identically Colored Plug Assemblies.

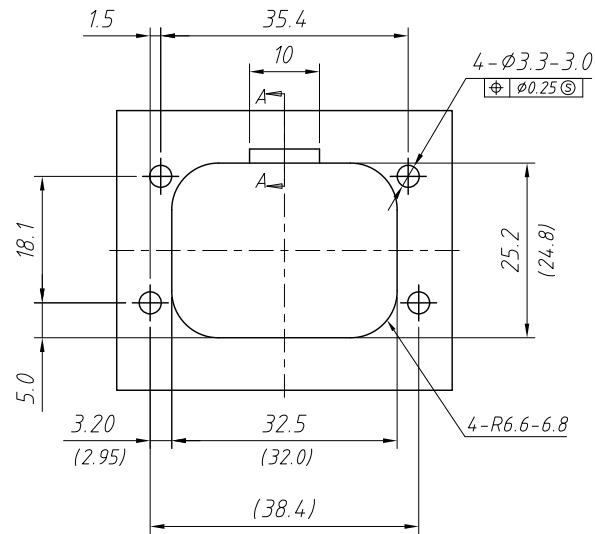
Material:

Gasket:Silicone / Header housing:Glass Filled PBT / Pins:Tin Or Gold Plated Brass

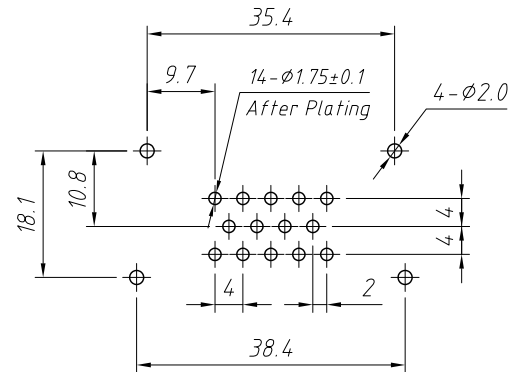
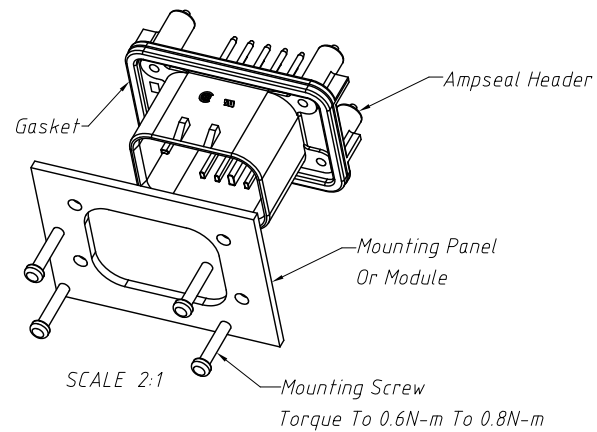
ANGLE TOLERANCE	PROJECTION	Description:
$\pm 3^\circ$		Header Assembly, 14 Position, Straight pin, Ampseal
GENERAL TOLERANCE	UNITS	mm
x.x ± 0.30	SHEET SIZE	A4
x.xx ± 0.20	Draw:	Daniel
x.xxx ± 0.10	Check:	Daniel
		2018-07-10
		2018-07-10



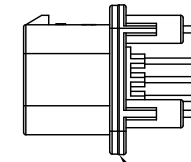
NingBo KLS ELECTRONIC CO.,LTD.



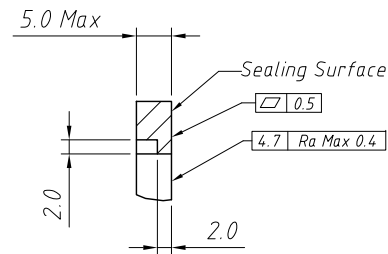
Recommended Mounting Hole Layout
For 5.0 Max Thick Panel



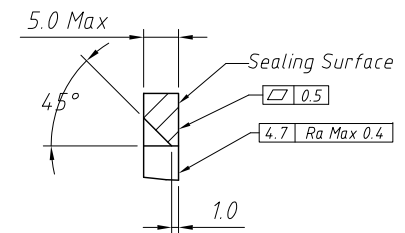
Recommended PC Board Layout
For 1.57 PC Board



Ensure The Header Is Flush
To The Panel Face All Around
Before Tightening To Final Torque



Section A-A
Optional Construction If Panel
Thickness Is Greater Than 2.0



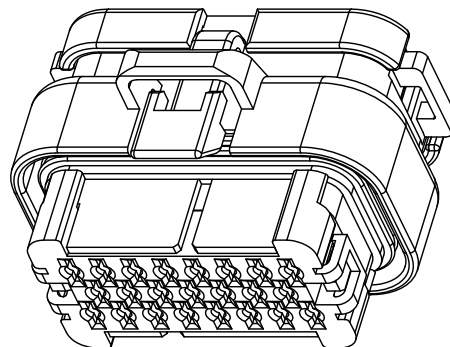
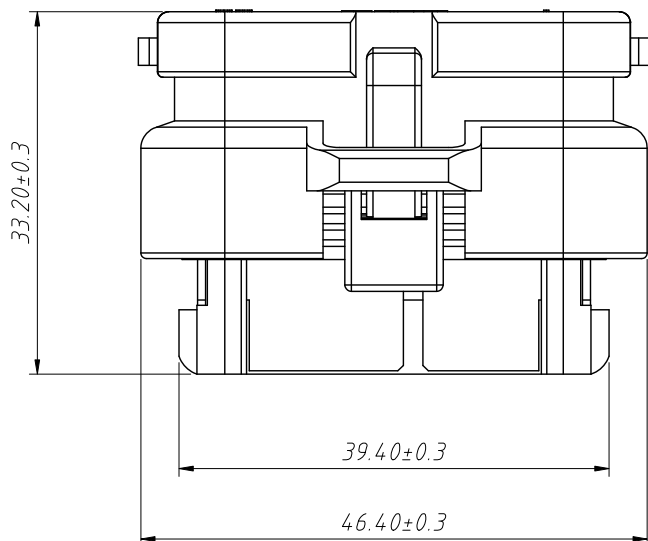
Section A-A
Optional Construction If Panel
Thickness Is Greater Than 2.0

ANGLE TOLERANCE	PROJECTION	Description:	
$\pm 3^\circ$		Header Assembly, 14 Position, Straight pin, Ampseal	
GENERAL TOLERANCE	UNITS	mm	KLS P/N:
x.x ± 0.30	SHEET SIZE	A4	L-KLS13-CA004-14-S-B
x.xx ± 0.20	Draw:	Daniel	2018-07-10
x.xxx ± 0.10	Check:	Daniel	2018-07-10



NingBo KLS ELECTRONIC CO.,LTD.

RoHS Compliance

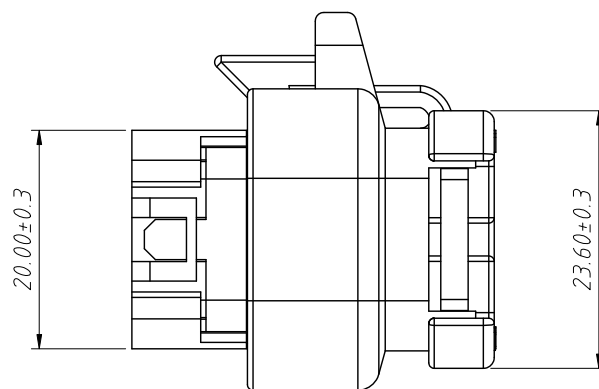
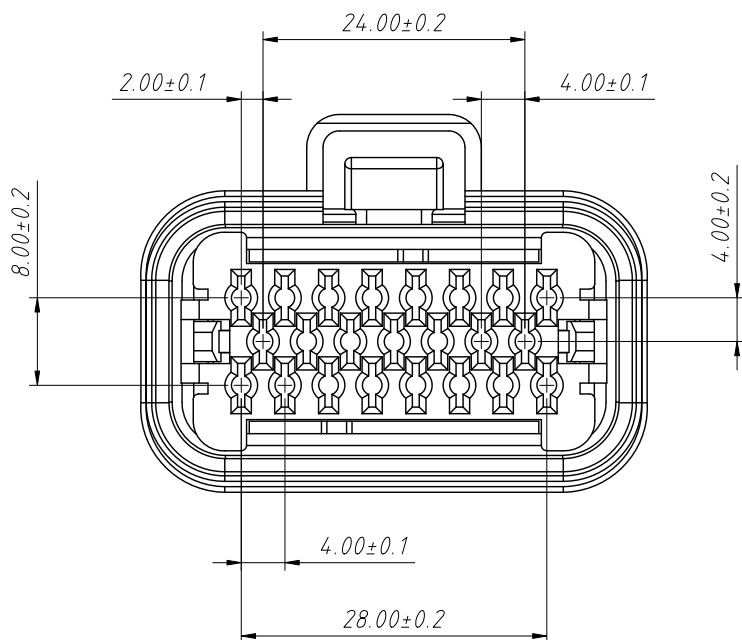


Material:

Housing: PBT, Black.

Technical Features:

1. No of Positions: 23P
2. Applicable Terminal P/N: L-KLS13-CA004-T
3. Wire Range: AVSS, AVSSH-F 0.5~1.25mm²
4. Temperature Range: -40°C to 125°C
5. Fully sealed and submersible IP67 rating



Order Information:

L-KLS13-CA004-23-H-IP67

L: RoHS

Serial No

XX-No. of pins

Type:

H-Housing T-Terminal

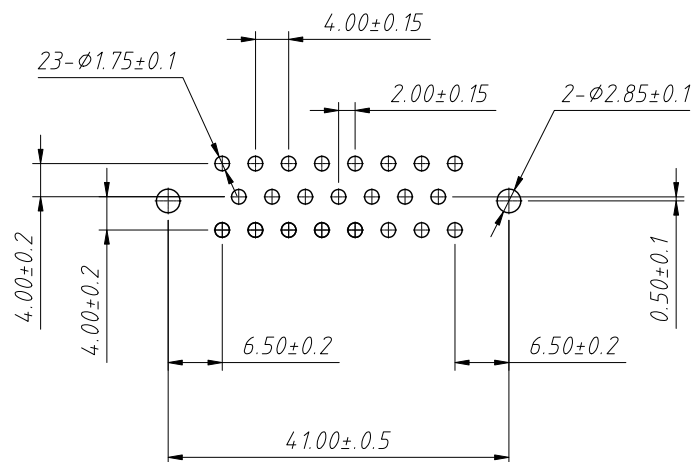
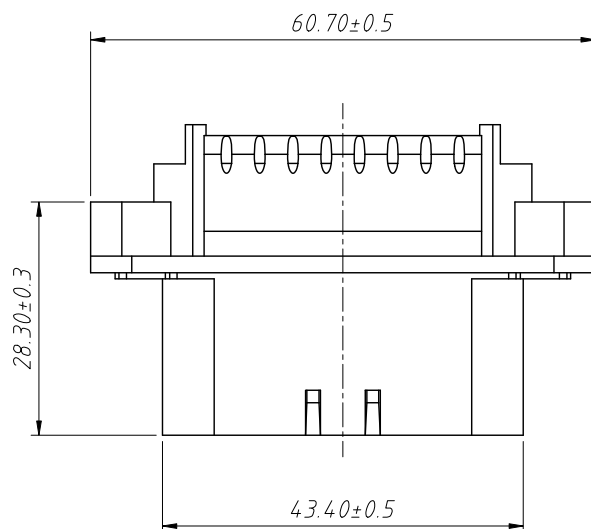
S-Vertical Header

R-Horizontal Header

Waterproof: IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				23 Pin AMPSEAL Connector Housing, Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-23-H-IP67
x.x	±0.30	SHEET SIZE	A4		
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	

RoHS Compliance



PCB LAYOUT

Material:

Housing:PBT,Black

Contacts: Brass

Finish:Pre-Tin

Technical Features:

1. No of Positions:23P

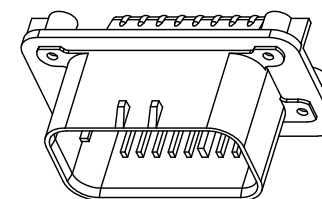
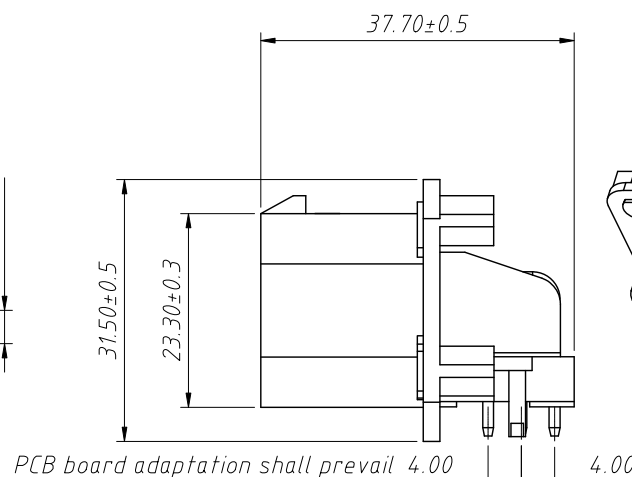
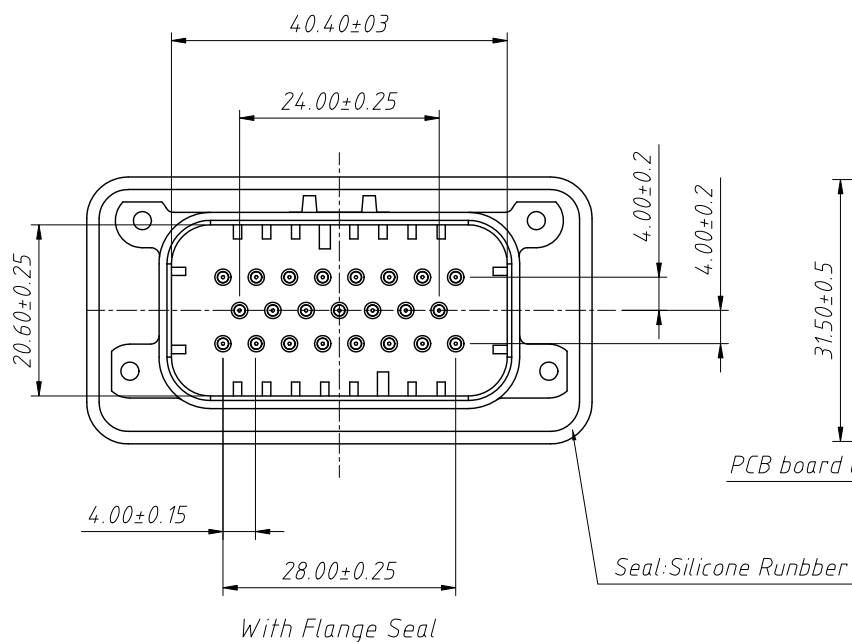
2. The Mating Female Housing

P/N:L-KLS13-CA004-23-H

3. Current Rating:8A

4. Temperature Range:-40°C to 125°C

5. Fully sealed and submersible IP67rating



Order Information:

L-KLS13-CA004-23-R-IP67

L: RoHS

Serial No

XX-No.of pins

Type:

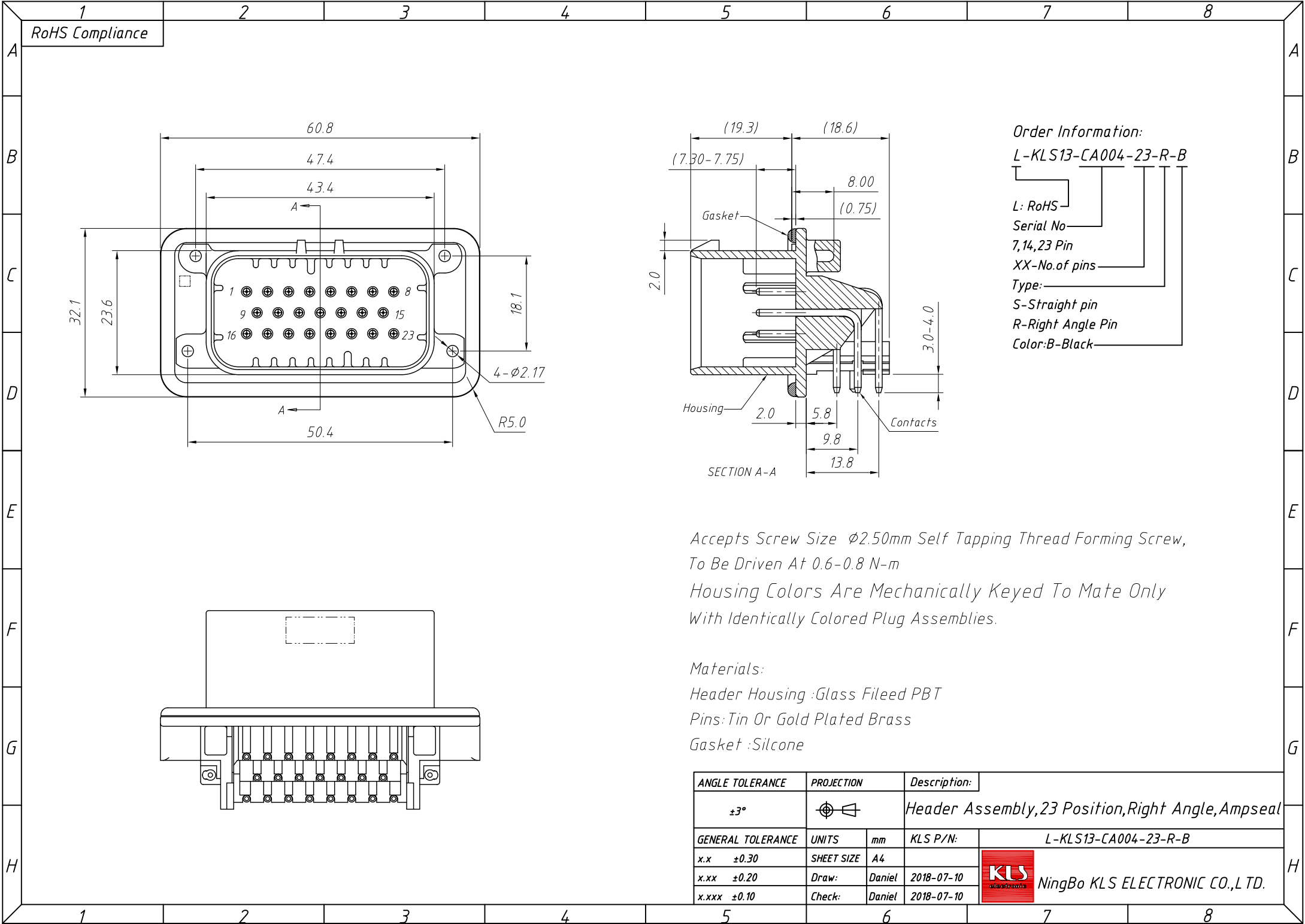
H-Housing T-Terminal

S-Vertical Header

R-Horizontal Header

Waterproof:IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				23 Pin AMPSEAL Connector	
GENERAL TOLERANCE		UNITS		Horizontal HEADER ,Black	
x.x	±0.30	SHEET SIZE	A4	L-KLS13-CA004-23-R-IP67	
x.xx	±0.20	Draw:	Daniel		NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel		



Order Information:

L-KLS13-CA004-23-R-B

L: RoHS

Serial No

7,14,23 Pin

XX-No. of pins

Type:

S-Straight pin

R-Right Angle Pin

Color:B-Black

Accepts Screw Size $\phi 2.50\text{mm}$ Self Tapping Thread Forming Screw,
To Be Driven At 0.6-0.8 N-m

Housing Colors Are Mechanically Keyed To Mate Only
With Identically Colored Plug Assemblies.

Materials:

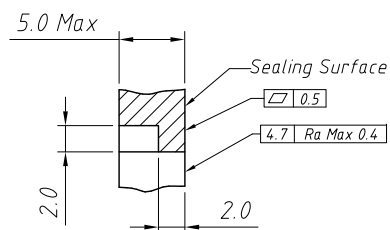
Header Housing :Glass Filled PBT

Pins: Tin Or Gold Plated Brass

Gasket :Silcone

ANGLE TOLERANCE		PROJECTION		Description:	
$\pm 3^\circ$				Header Assembly,23 Position,Right Angle,Ampseal	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	
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	

8

[illegible]

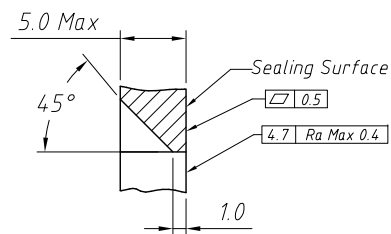
Ampseal Header

Mounting Panel
Or Module

Mounting Screw

SCALE 2:1

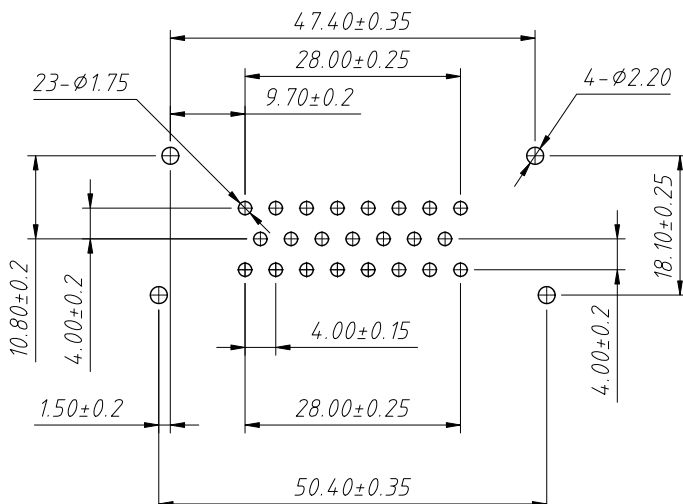
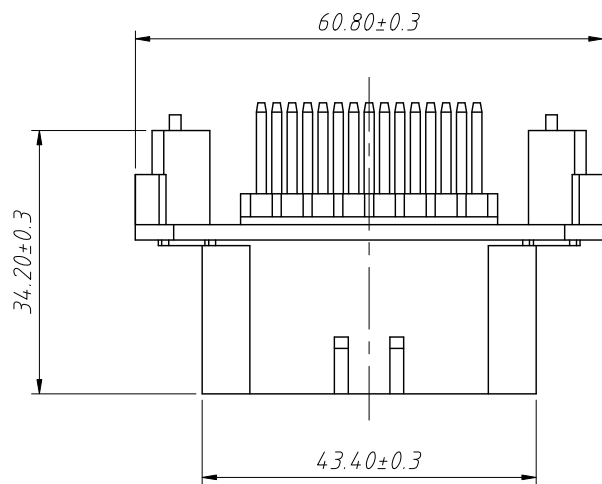
Torque To 0.6N-m To 0.8N-m



*Ensure The Header Is Flush
To The Panel Face All Around
Before Tightening To Final Torque*

ANGLE TOLERANCE		PROJECTION		Description:		
±3°				Header Assembly,23 Position,Right Angle,Ampseal		
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS13-CA004-23-R-B	
x.x	±0.30	SHEET SIZE	A4		NingBo KLS ELECTRONIC CO.,L TD.	
x.xx	±0.20	Draw:	Daniel			2018-07-10
x.xxx	±0.10	Check:	Daniel			2018-07-10

RoHS Compliance



PCB LAYOUT

Material:

Housing:PBT,Black

Contacts: Brass

Finish:Pre-Tin

Technical Features:

1. No of Positions:23P

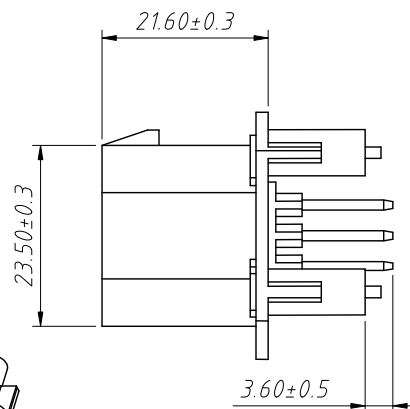
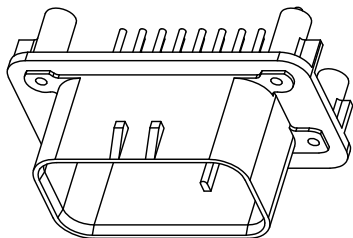
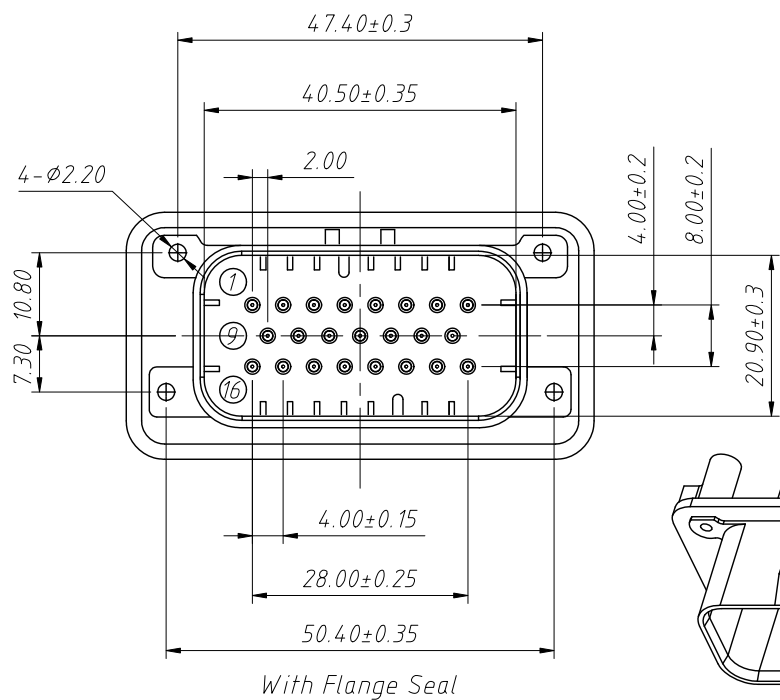
2. The Mating Female Housing

P/N:L-KLS13-CA004-23-H

3. Current Rating:8A

4. Temperature Range:-40°C to 125°C

5. Fully sealed and submersible IP67rating



Order Information:

L-KLS13-CA004-23-S-IP67

L: RoHS

Serial No

XX-No.of pins

Type:

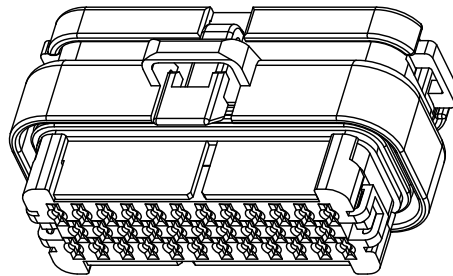
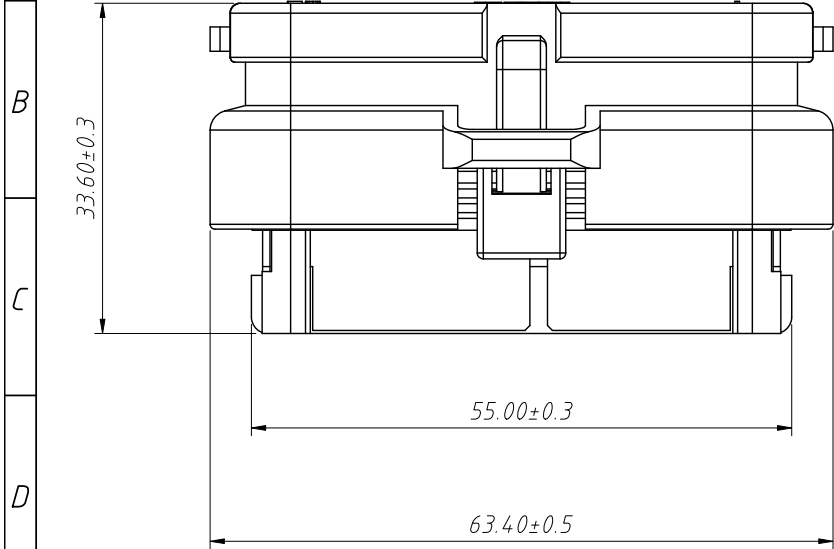
H-Housing T-Terminal

S-Vertical Header

R-Horizontal Header

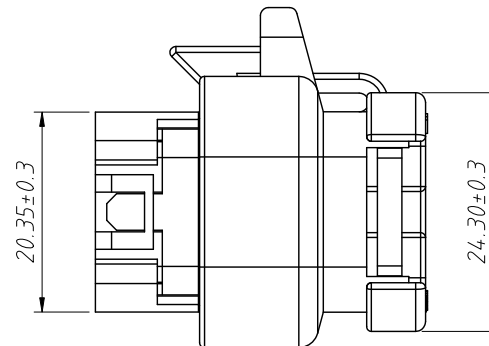
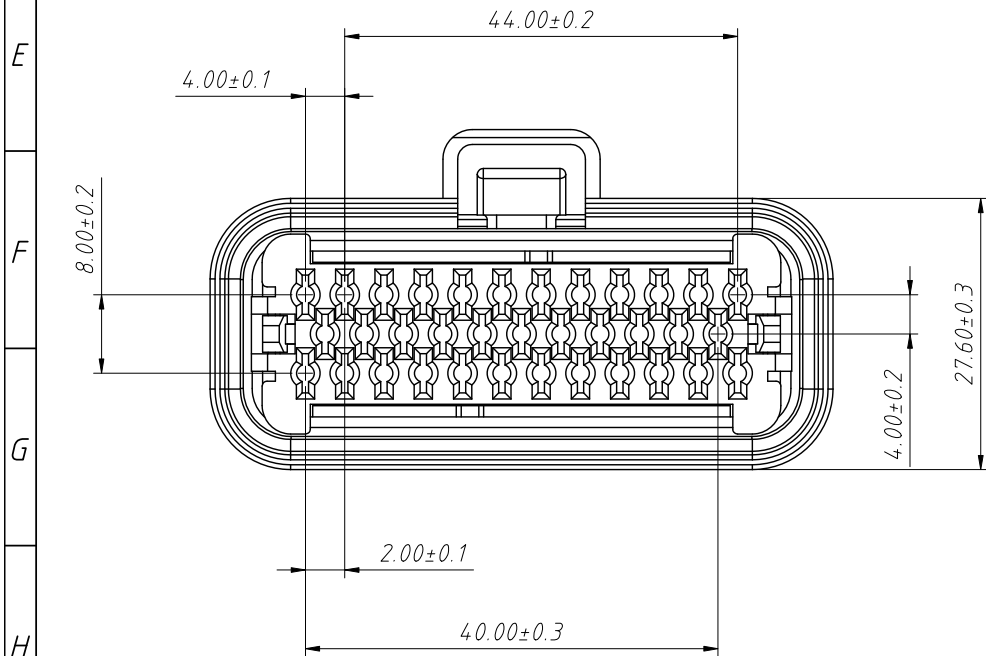
Waterproof:IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				23 Pin AMPSEAL Connector Vertical Header,Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	
x.x	±0.30	SHEET SIZE	A4	L-KLS13-CA004-23-S-IP67	
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	



Material:
Housing:PBT,Black.

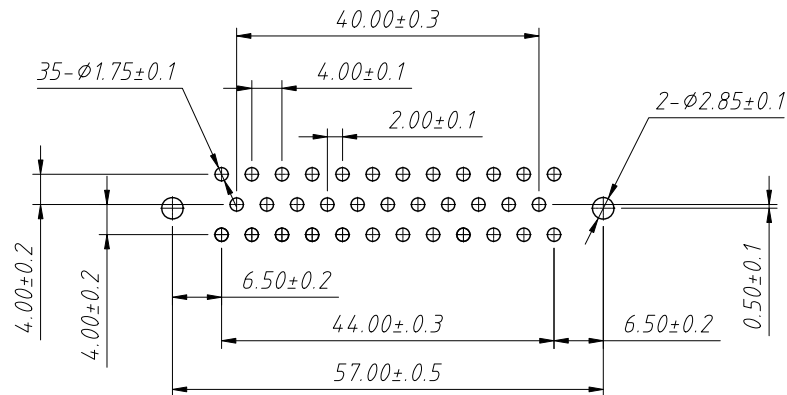
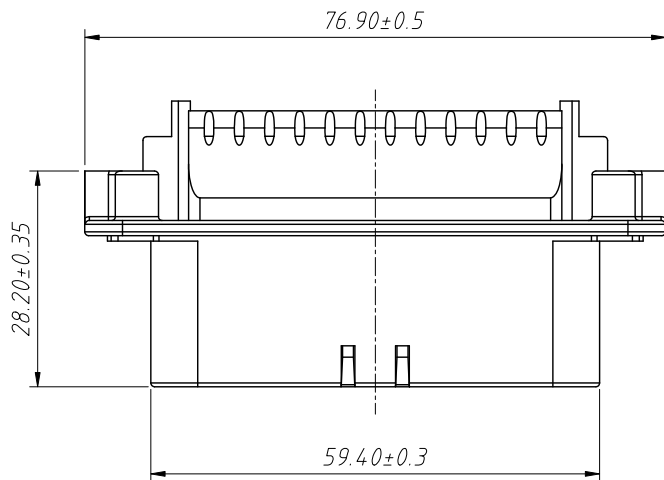
- Technical Features:
1. No of Positions:35P
 2. Applicable Terminal P/N :L-KLS13-CA004-T
 3. Wire Range:AVSS,AVSSH-F 0.5~1.25mm²
 4. Temperature Range:-40℃ to 125℃
 5. Fully sealed and submersible IP67rating



Order Information:
L-KLS13-CA004-35-H-IP67

L: RoHS
Serial No
XX-No.of pins
Type:
H-Housing T-Terminal
S-Vertical Header
R-Horizontal Header
Waterproof:IP67 Rating

ANGLE TOLERANCE	PROJECTION		Description:	
±3°			35 Pin AMPSEAL Connector Housing,Black	
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS13-CA004-35-H-IP67
x.x ±0.30	SHEET SIZE	A4	KLS electronics	NingBo KLS ELECTRONIC CO.,L TD.
x.xx ±0.20	Draw:	Daniel		
x.xxx ±0.10	Check:	Daniel		



PCB LAYOUT

Material:

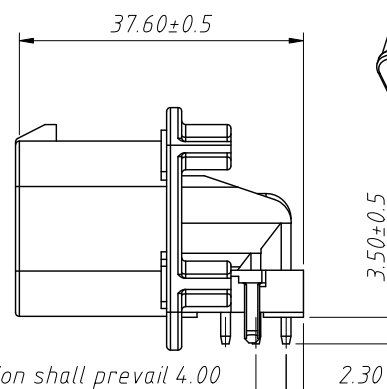
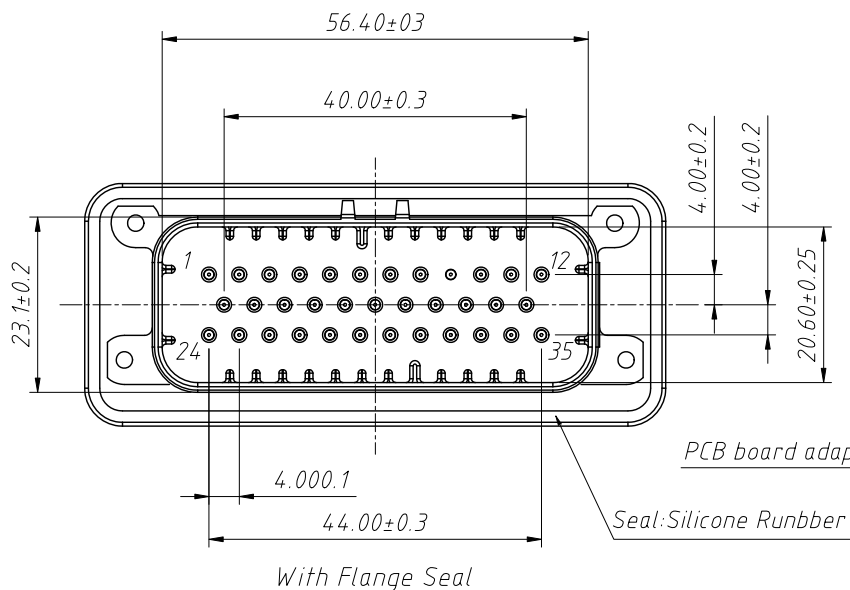
Housing: PBT, Black

Contacts: Brass

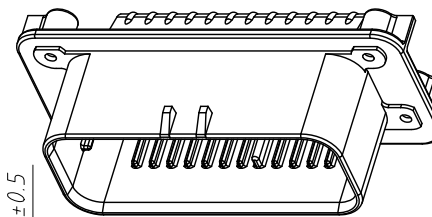
Finish: Pre-Tin

Technical Features:

1. No of Positions: 35P
2. The Mating Female Housing
P/N: L-KLS13-CA004-35-H
3. Current Rating: 17A
4. Temperature Range: -40°C to 125°C
5. Fully sealed and submersible IP67 rating



PCB board adaptation shall prevail 4.00



Order Information:

L-KLS13-CA004-35-R-IP67

L: RoHS

Serial No

XX-No. of pins

Type:

H-Housing T-Terminal

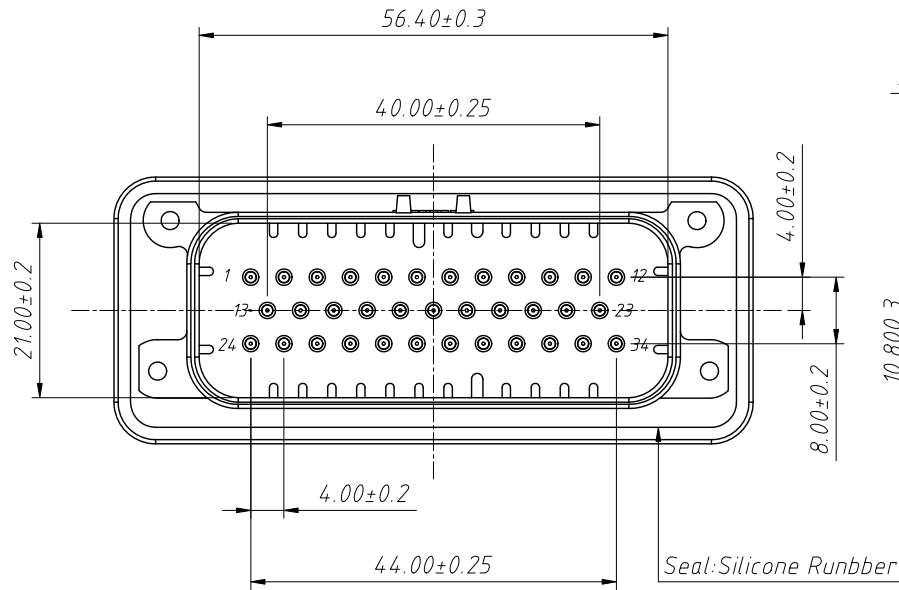
S-Vertical Header

R-Horizontal Header

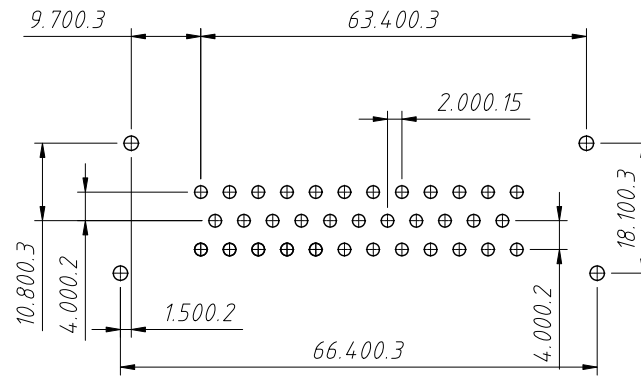
Waterproof: IP67 Rating

ANGLE TOLERANCE	PROJECTION	Description:	35 Pin AMPSEAL Connector Horizontal HEADER, Black	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS13-CA004-35-R-IP67
x.x ±0.30	SHEET SIZE	A4		
x.xx ±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx ±0.10	Check:	Daniel	2018-07-10	

RoHS Compliance



With Flange Seal

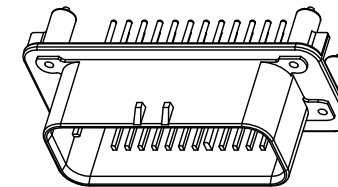
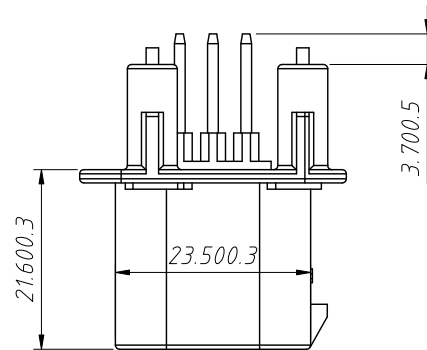
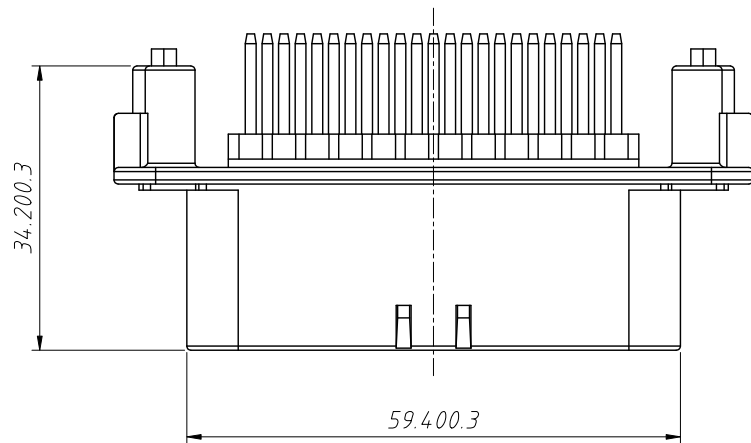


PCB LAYOUT

Material:
Housing: PBT, Black
Contacts: Brass
Finish: Pre-Tin

Technical Features:

1. No of Positions: 35P
2. The Mating Female Housing
P/N: L-KLS13-CA004-35-H
3. Current Rating: 17A
4. Temperature Range: -40°C to 125°C
5. Fully sealed and submersible IP67 rating



Order Information:

L-KLS13-CA004-35-S-IP67

L: RoHS

Serial No

XX-No. of pins

Type:

H-Housing T-Terminal

S-Vertical Header

R-Horizontal Header

Waterproof: IP67 Rating

ANGLE TOLERANCE		PROJECTION		Description:	
±3°				35 Pin AMPSEAL Connector Vertical Header, Black	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	
x.x	±0.30	SHEET SIZE	A4	L-KLS13-CA004-35-S-IP67	
x.xx	±0.20	Draw:	Daniel	2018-07-10	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	±0.10	Check:	Daniel	2018-07-10	

1
RoHS Compliance

2

3

4

5

6

7

8

A

B

C

D

E

F

G

H

A

B

C

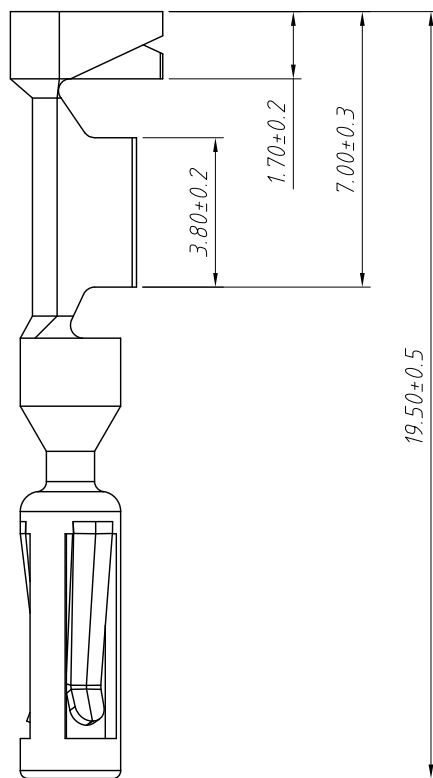
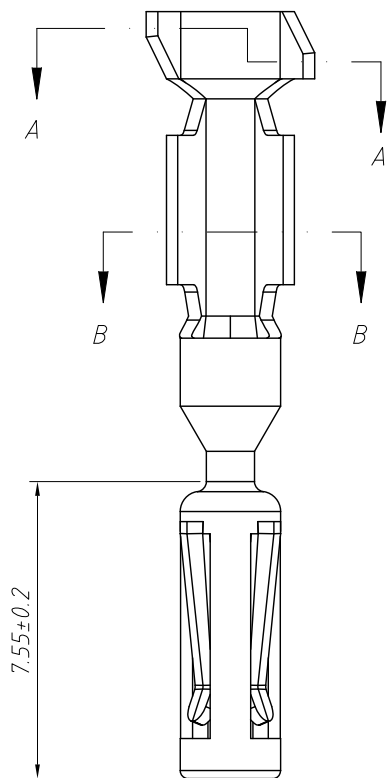
D

E

F

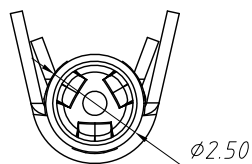
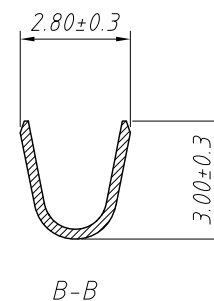
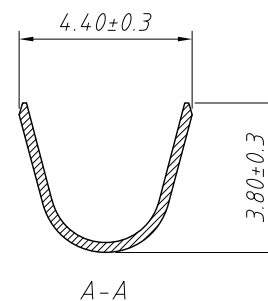
G

H



Technical Features:

1. Terminal Material: Phosphor Bronze
2. Terminal Finish: Pre-Tin
3. Wire Range: AVSS, AVSSH-F 0.5-1.25MM²
4. Temperature Range: -40°C to 125°C
5. Packaging Method: Strip
6. Qty/Reel: 4000 PCS



Order Information:

L-KLS13-CA004-T

L: RoHS

Serial No

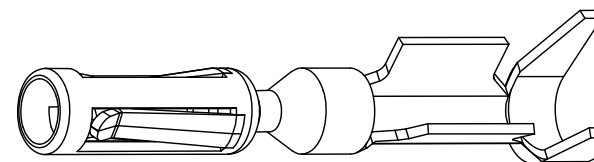
Type:

H-Housing

S-Vertical Header

R-Horizontal Header

T-Terminal



ANGLE TOLERANCE	PROJECTION	Description:	1.3mm AMPSEAL Connector Terminal
±3°			0.5~1.25 mm ² wire
GENERAL TOLERANCE	UNITS	mm	KLS P/N:
x.x ±0.30	SHEET SIZE	A4	L-KLS13-CA004-T
x.xx ±0.20	Draw:	Daniel	2018-07-10
x.xxx ±0.10	Check:	Daniel	2018-07-10



NingBo KLS ELECTRONIC CO.,LTD.