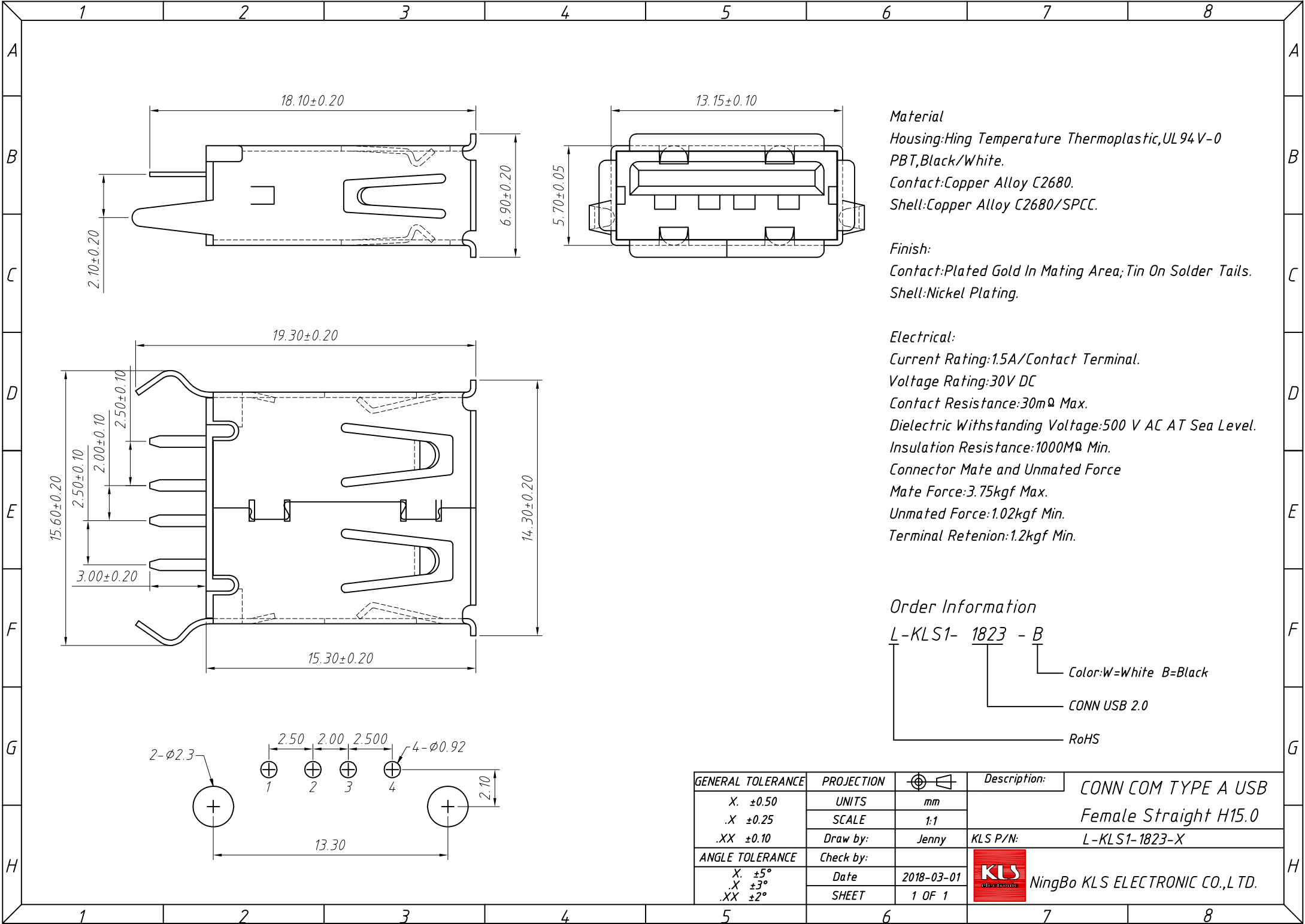




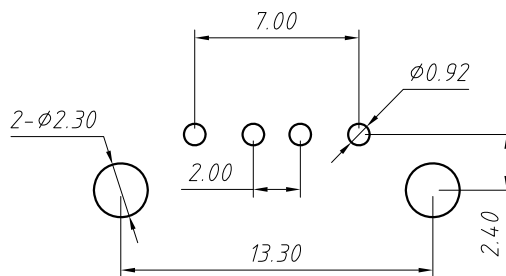
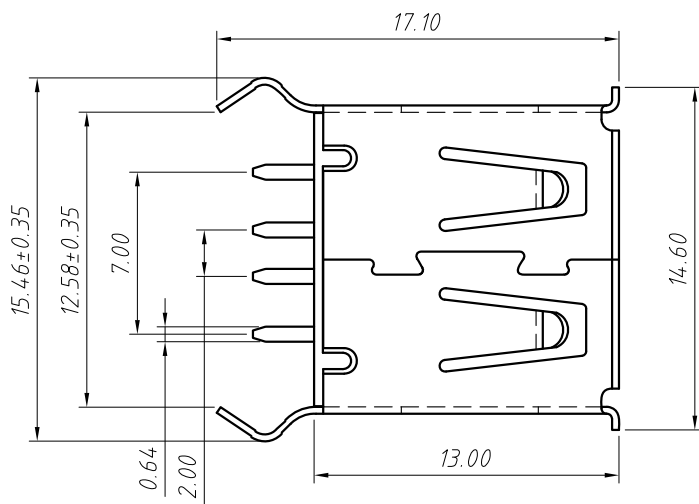
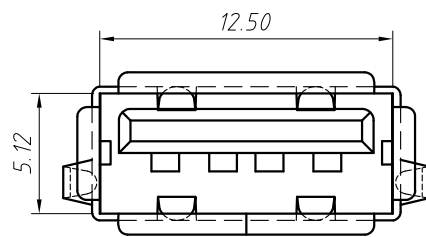
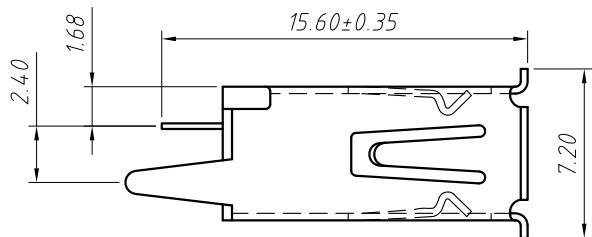
Material
Housing:Hing Temperature Thermoplastic,UL 94 V-0
PBT,Black/White.
Contact:Copper Alloy C2680.
Shell:Copper Alloy C2680/SPCC.

Finish:
Contact:Plated Gold In Mating Area; Tin On Solder Tails.
Shell:Nickel Plating.

Electrical:
Current Rating:1.5A/Contact Terminal.
Voltage Rating:30V DC
Contact Resistance:30mΩ Max.
Dielectric Withstanding Voltage:500 V AC AT Sea Level.
Insulation Resistance:1000MΩ Min.
Connector Mate and Unmated Force
Mate Force:3.75kgf Max.
Unmated Force:1.02kgf Min.
Terminal Retenion:1.2kgf Min.

Order Information
L-KLS1- 1823 - B
Color:W=White B=Black
CONN USB 2.0
RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	CONN COM TYPE A USB Female Straight H15.0
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-1823-X
ANGLE TOLERANCE	Check by:		NingBo KLS ELECTRONIC CO.,L TD.
X. ±5°	Date	2018-03-01	
.X ±3° .XX ±2°	SHEET	1 OF 1	



PCB LAYOUT

Material

Housing: Thermoplastic plastics.

Terminals: Copper Alloy. Gold plated in contact area;

Tin plated in termination Nickel plated overall.

Shell: Copper Alloy. Nickel plated overall.

Electrical:

Rating Current: 1.5 Ampere.

Rating Voltage: 30V Max.

Contact Resistance: 30mΩ Mill.

Insulation Resistance: 1000MΩ Min.

Mechanical Characteristics:

Connector Mating force: 35N Max (3.57Kgf)

Connector Unmating force: 10N Min (1.02Kgf)

Durability: 1500 Cycles.

Environment Characteristics:

Operating temperature: -0 °C to +50 °C

Order Information

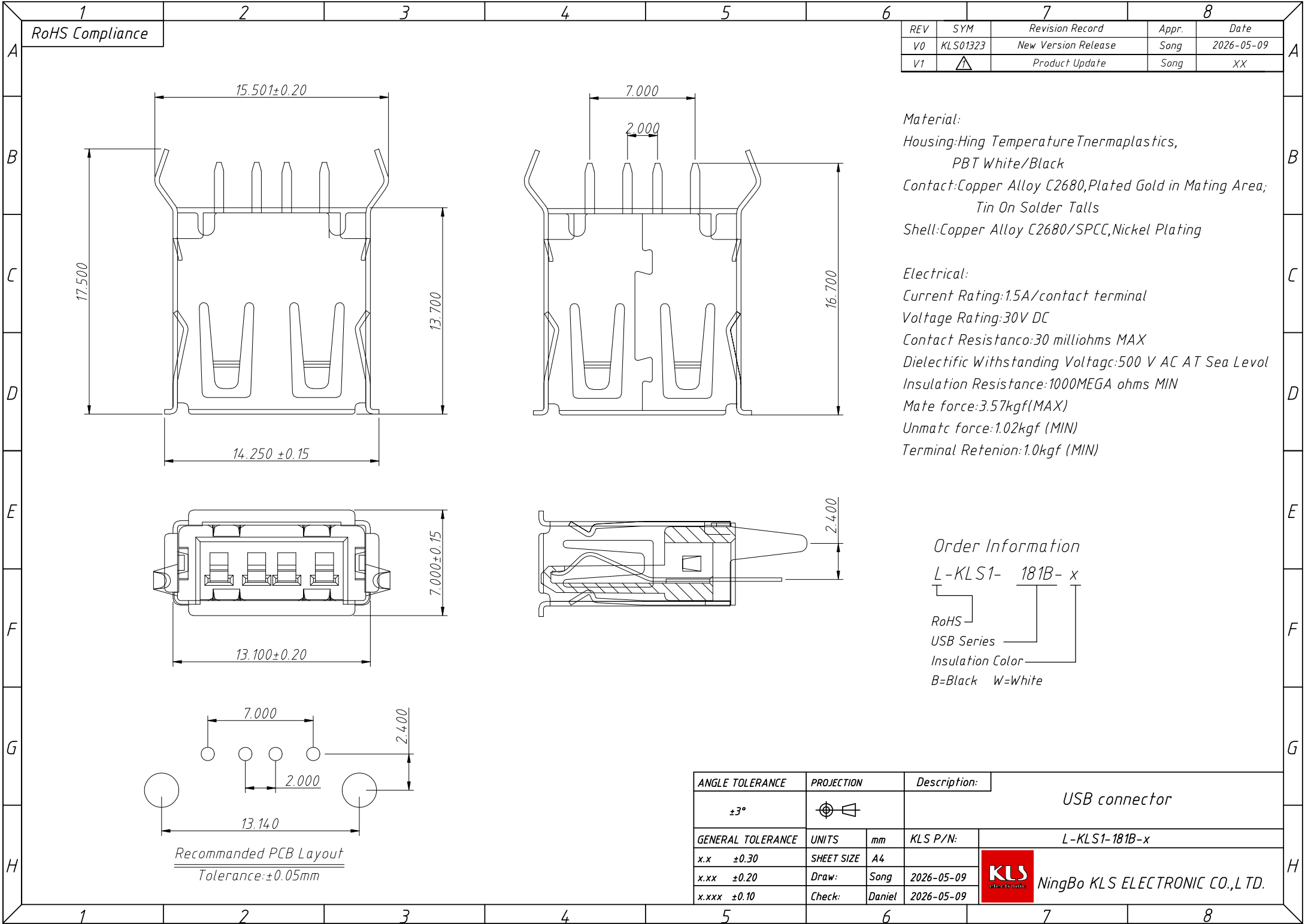
L-KLS1- 1831 - B

Color: W=White B=Black

CONN USB 2.0

RoHS

GENERAL TOLERANCE	PROJECTION		Description:
X. ±0.50	UNITS	mm	CONN COM TYPE A USB Female Straight H13.0
.X ±0.25	SCALE	1:1	
.XX ±0.10	Draw by:	Jenny	KLS P/N: L-KLS1-1831-X
ANGLE TOLERANCE	Check by:		
X. ±5°	Date	2018-03-01	 NingBo KLS ELECTRONIC CO.,L TD.
.X ±3°	SHEET	1 OF 1	
.XX ±2°			



RoHS Compliance

REV	SYM	Revision Record	Appr.	Date
V0	KLS01323	New Version Release	Song	2026-05-09
V1		Product Update	Song	XX

Material:
Housing:Hing TemperatureTnermaplastics,
PBT White/Black
Contact:Copper Alloy C2680,Plated Gold in Mating Area;
Tin On Solder Talls
Shell:Copper Alloy C2680/SPCC,Nickel Plating

Electrical:
Current Rating:1.5A/contact terminal
Voltage Rating:30V DC
Contact Resistanco:30 milliohms MAX
Dielectific Withstanding Voltage:500 V AC AT Sea Level
Insulation Resistance:1000MEGA ohms MIN
Mate force:3.57kgf(MAX)
Unmatc force:1.02kgf (MIN)
Terminal Retenion:1.0kgf (MIN)

Order Information

L-KLS1- 181B- x
RoHS
USB Series
Insulation Color
B=Black W=White

Recommanded PCB Layout
Tolerance:±0.05mm

ANGLE TOLERANCE	PROJECTION	Description:	USB connector	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS1-181B-x
x.x ±0.30	SHEET SIZE	A4		NingBo KLS ELECTRONIC CO.,L TD.
x.xx ±0.20	Draw:	Song	2026-05-09	
x.xxx ±0.10	Check:	Daniel	2026-05-09	