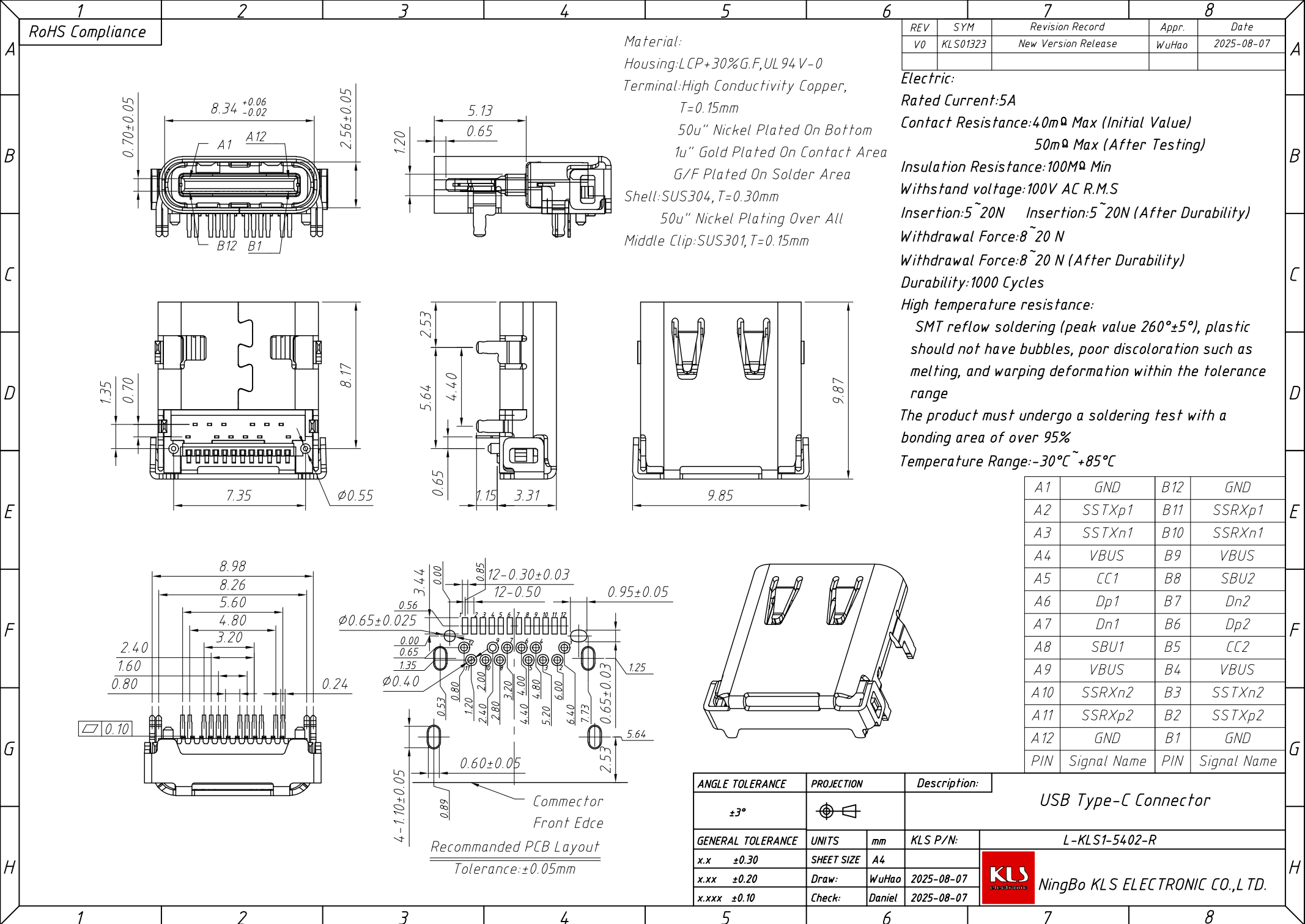




Material:
Housing:LCP+30%G.F,UL 94 V-0
Terminal:High Conductivity Copper,
T=0.15mm
50u" Nickel Plated On Bottom
1u" Gold Plated On Contact Area
G/F Plated On Solder Area
Shell:SUS304,T=0.30mm
50u" Nickel Plating Over All
Middle Clip:SUS301,T=0.15mm

REV	SYM	Revision Record	Appr.	Date
V0	KLS01323	New Version Release	WuHao	2025-08-07

Electric:
Rated Current:5A
Contact Resistance:40mΩ Max (Initial Value)
50mΩ Max (After Testing)
Insulation Resistance:100MΩ Min
Withstand voltage:100V AC R.M.S
Insertion:5~20N Insertion:5~20N (After Durability)
Withdrawal Force:8~20 N
Withdrawal Force:8~20 N (After Durability)
Durability:1000 Cycles
High temperature resistance:
SMT reflow soldering (peak value 260°±5°), plastic
should not have bubbles, poor discoloration such as
melting, and warping deformation within the tolerance
range
The product must undergo a soldering test with a
bonding area of over 95%
Temperature Range:-30°C~+85°C

A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND
PIN	Signal Name	PIN	Signal Name

ANGLE TOLERANCE	PROJECTION	Description:	USB Type-C Connector	
±3°				
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS1-5402-R
x.x ±0.30	SHEET SIZE	A4		
x.xx ±0.20	Draw:	WuHao	2025-08-07	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx ±0.10	Check:	Daniel	2025-08-07	