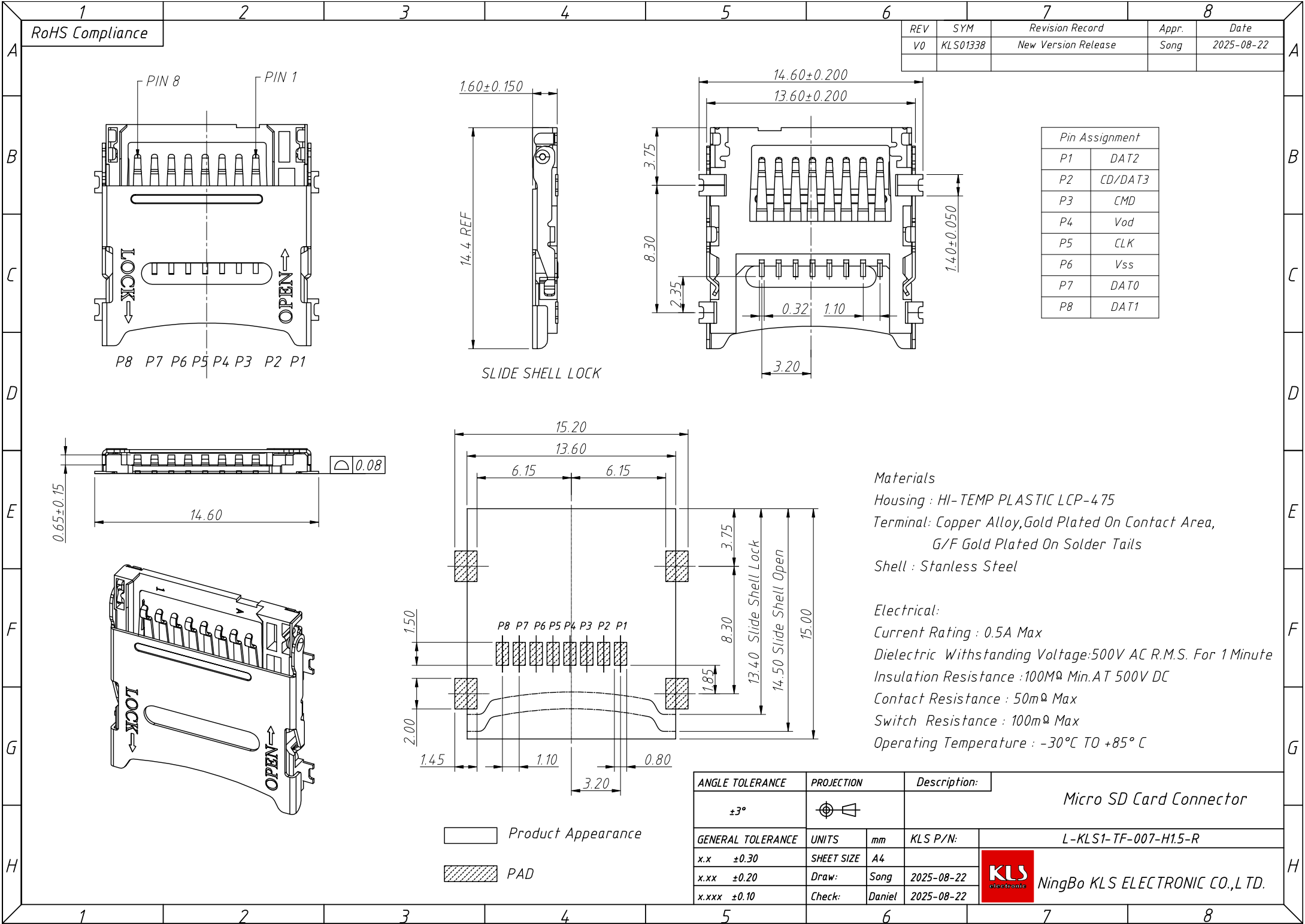




1 RoHS Compliance

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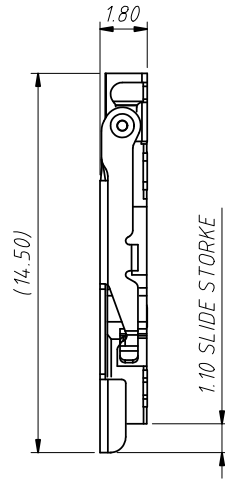
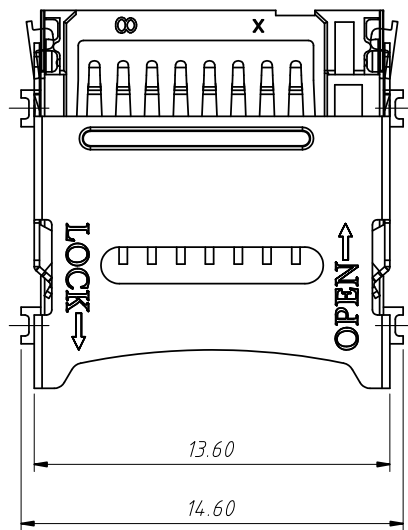
REV	SYM	Revision Record	Appr.	Date
V0	KLS01338	New Version Release	Song	2025-08-22

Pin Assignment	
P1	DAT2
P2	CD/DAT3
P3	CMD
P4	Vod
P5	CLK
P6	Vss
P7	DAT0
P8	DAT1

Materials
Housing : HI-TEMP PLASTIC LCP-4 75
Terminal: Copper Alloy,Gold Plated On Contact Area,
G/F Gold Plated On Solder Tails
Shell : Stainless Steel

Electrical:
Current Rating : 0.5A Max
Dielectric Withstanding Voltage:500V AC R.M.S. For 1 Minute
Insulation Resistance :100M Ω Min.AT 500V DC
Contact Resistance : 50m Ω Max
Switch Resistance : 100m Ω Max
Operating Temperature : -30°C TO +85°C

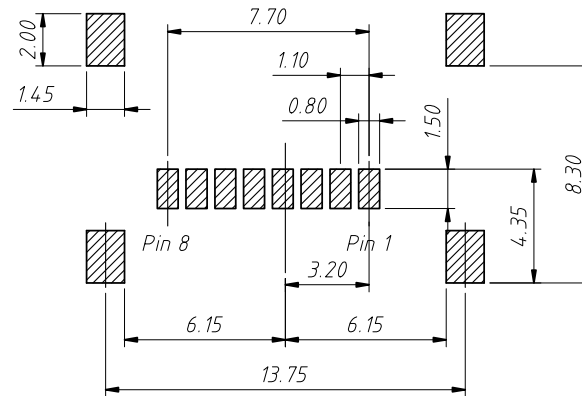
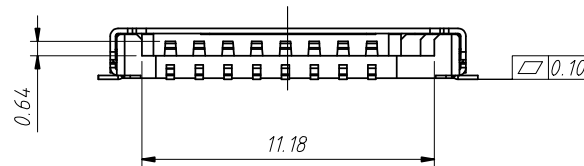
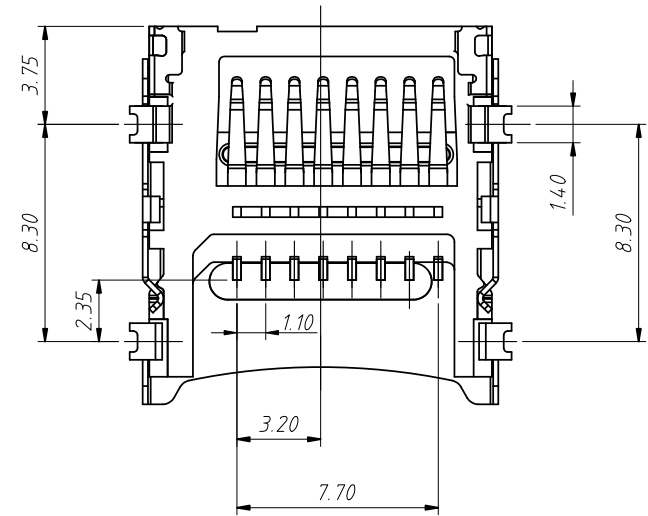
ANGLE TOLERANCE		PROJECTION		Description:	
$\pm 3^{\circ}$				Micro SD Card Connector	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS1-TF-007-H1.5-R
x.x	± 0.30	SHEET SIZE	A4		
x.xx	± 0.20	Draw:	Song	2025-08-22	NingBo KLS ELECTRONIC CO.,L TD.
x.xxx	± 0.10	Check:	Daniel	2025-08-22	



SLIDE SHELL CLOSE



SLIDE SHELL OPEN



RECOMENDED PCB LAYOUT
TOLERANCK:±0.05

Material:

Insulator:Hi-Temperature Plastic,UL 94 V-0,Black.
Terminal:Copper Alloy,AU Plating on all terminal contact area,and tin plating on solder tail area.
Shell:Stainless Steel.

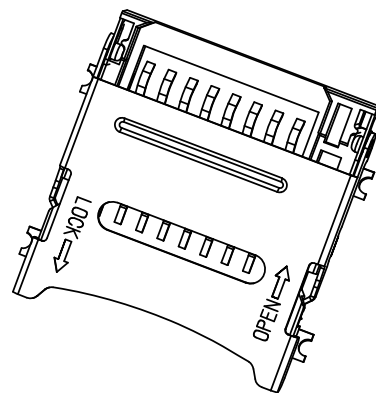
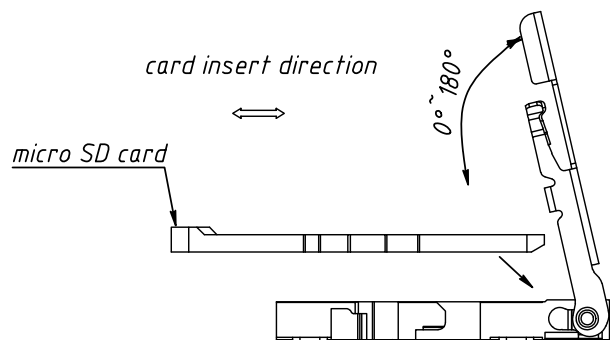
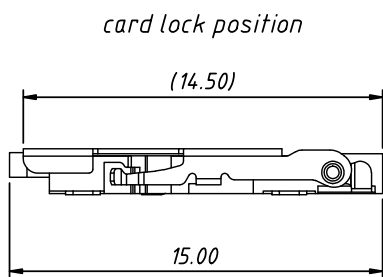
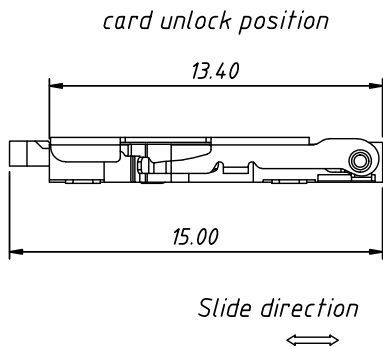
Electrical:

Current Rating:0.5 A
Voltage Rating:5.0 vrms
Insulation Resistance:1000M Ω Min./500V DC
Withstanding Voltage:250V AC For 1 minute.
Contact Resistance:100m Ω Max.AT 10mA/20mV Max
Operating Temp Range:-40°C TO +85°C
Mating Cycles:10000 Insertions.

PIN NO	NAME	TYPE	DESCRIPTION
1	DAT2	I/O/PP	DATE LINE(BIT2)
2	CD/DAT3	I/O/PP	CARD EDTECT DATE LIN(BIT3)
3	CMD	PP	COMMAND RESPONSE
4	VDD	S	SUPPLY VOLTAGE
5	CLK	I	CLOCK
6	VSS	S	SUPPLY VOLTAGE GROUND
7	DAT0	I/O/PP	DATE LINE(BIT0)
8	DAT1	I/O/PP	DATE LINE(BIT1)

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION			Description:
X. ± 0.15		X. $\pm 5^{\circ}$		UNITS		mm	Micro SD Card CONN;HINGED TYPE,H1.8mm
.X ± 0.03		.X $\pm 3^{\circ}$		SHEET SIZE		A4	
.XX ± 0.05		.XX $\pm 2^{\circ}$				KLS P/N:	
Draw by:	Jenny	Date:	2022-02-28		NingBo KLS ELECTRONIC CO.,L TD.		
Check by:		Date:	2022-02-28				
SCALE		SHEET	1 OF 2				





GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		Description:
X. ±0.15		X. ±5°		UNITS	mm	Inserted dimension
.X ±0.03		.X ±3°		SHEET SIZE	A4	
.XX ±0.05		.XX ±2°			KLS P/N:	
						L-KLS1-TF-007-H1.8-R
Draw by:	Jenny	Date:	2022-02-28			
Check by:		Date:	2022-02-28			
SCALE			SHEET	2	OF	2



NingBo KLS ELECTRONIC CO.,L TD.