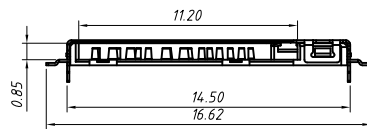


RECOMMENDED PCB LAYOUT
TOLERANCE UNLESS OTHERWISE IS ± 0.05



Material:

Insulator: Thermal Plastic, Pated UL 94 V-0.

Contacts: Phosphor Bronze.

Shell: Stainless steel.

Contact Plating:

Underplate: 50u" - 100u" Nickel

Contact area: Gold Flash

Solder tails area: 100u" - 200u" Tin

Electrical:

Operating Voltage: 10V

Current Rating: 0.5A Min.

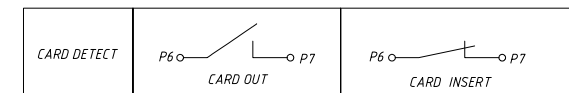
Contact Resistance: 100m Ω Max.

Insulation Resistance: 1000M Ω

Dielectric Withstanding Voltage: 500VAC/1 Minute.

Temperature range: -20°C TO +60°C

Mating Cycles: 3000 insertions



PIN DEFINE:

PIN#	NAME	DESCRIPTION	PIN#	NAME	DESCRIPTION
1	DAT2	DATA LINE BIT2	11	SW10	SINGLE WIRE PROTOCOL INTERFACE
2	CD/DAT3	CARD DETECT/DATA LINE BIT3	12	VDD2	SUPPLY VOLTAGE GROUND
3	CMD	COMMAND/RESPONSE	13	DO+	DIFFERENTIAL DATE 0+
4	VDD1	SUPPLY VOLTAGE	14	DO-	DIFFERENTIAL DATE 0-
5	CLK	CLOCK	15	VSS3	SUPPLY VOLTAGE GROUND
6	CD	CARD DETECT	16	D1+	DIFFERENTIAL DATE 1+
7	VSS1	SUPPLY VOLTAGE GROUND	17	D1-	DIFFERENTIAL DATE 1-
8	DAT0	DATA LINE BIT0	18	VSS4	SUPPLY VOLTAGE GROUND
9	DAT1	DATA LINE BIT1			
10	VDD2	SUPPLY VOLTAGE(1.8V)			

GENERAL TOLERANCE	ANGLE TOLERANCE	PROJECTION		Micro SD 4.0 PUSH/ PUSH CONN, H1.3mm L-KLS1-SD4.0-003-R
X ± 0.15	X $\pm 5^\circ$	UNITS	mm	
.X ± 0.03	.X $\pm 3^\circ$	SHEET SIZE	A4	
.XX ± 0.05	.XX $\pm 2^\circ$		KLS P/N:	
Draw by: Jenny	Date: 2018-03-10	NingBo KLS ELECTRONIC CO., L.TD.		
Check by:	Date: 2018-03-10			
SCALE	SHEET 1 OF 1			