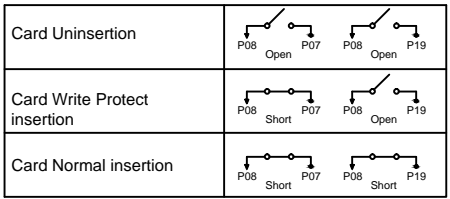
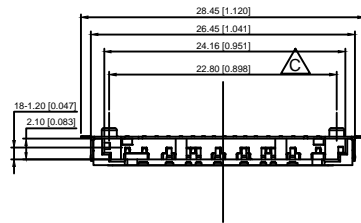


Recommended PCB Layout
Top View (Tolerance ± 0.05)



XKB Connectivity

Note:

1. 材料 Material:

- 1-1. 塑料 Plastic: LCP, S475, Black, HF, UL94V-0
- 1-2. 触点 Contact: C5210
- 1-3. 外壳 Shell: SUS304

2. 电镀 Plating:

- 2-1. 触点 Contact: 接触电阻 Contact Area: Au 1μ" min. Plating. Over Ni 50μ" min. 焊尾 Solder tail: Matte Tin 100μ" min. Plating. Over Ni 50μ" min.
- 2-2. 外壳 Shell: Solderability Ni 50μ" min. Over All

3. Contact And Tail Coplanarity To Be 0.10mm max.

4. 电气特性 Electrical Characteristics:

- 4-1. 触点电流额定值 Contact Current Rating: 0.5 Amperes.
- 4-2. 介电耐受电压 Dielectric Withstanding Voltage: AC500V r.m.s.
- 4-3. 绝缘电阻 Insulation Resistance: 1000 Megohms
- 4-4. 接触电阻 Contact Resistance: 100 mΩ Maximum.

5. 机械特性 Mechanical Characteristics:

- 5-1. 运转周期 Mating Cycles: 10,000 Cycles.

6. 环境 Environmental:

- 6-1. 工作温度 Operating Temperature: -25°C ~ +85°C.
- 6-2. 盐雾 Salty spray: 48H

XKB Connectivity

Pin Assignment

Pin#	Name	Description	Pin#	Name	Description
P01	VSS3	Supply Voltage Ground	P11	VDD1	Supply Voltage (3.3V)
P02	DAT2	Data Line [Bit 2]	P12	D1-	Differential Data 1-
P03	D0+	Differential Data 0+	P13	CLK	Clock
P04	CD/DAT3	Card Detect/Data Line [Bit 3]	P14	D1+	Differential Data 1+
P05	D0-	Differential Data 0-	P15	VSS2	Supply Voltage Ground
P06	CMD	Command/Response	P16	VSS5	Supply Voltage Ground
P07	CD	Card Detect	P17	DAT0	Data Line [Bit 0]
P08	VSS1	Supply Voltage Ground	P18	DAT1	Data Line [Bit 1]
P09	VSS4	Supply Voltage Ground	P19	WP	Write Protect
P10	VDD2	Supply Voltage (1.8V)			

					ANGLAR	±5°	DSND		DATE		SCALE: N/A	MODEL TYPE: SD CARD CONN			
					L ≤ 4	±0.2	DWN		DATE		VIEW:	PART NO.:			
					4 < L ≤ 16	±0.3	CHKD		DATE		UNIT: mm/in				
					16 < L ≤ 63	±0.4	APPD		DATE		SIZE: A4	DWG NO.:			
					L > 63	±0.5						XKSD-1250-29			
					UNSPECIFIED TOLERANCES						WEIGHT	SHEET	REVISION		
										XKB INDUSTRIAL PRECISION CO., LIMITED			1.0g	1/1	A0
										www.xk-dg.cn www.helloxkb.com www.helloxkb.cn					