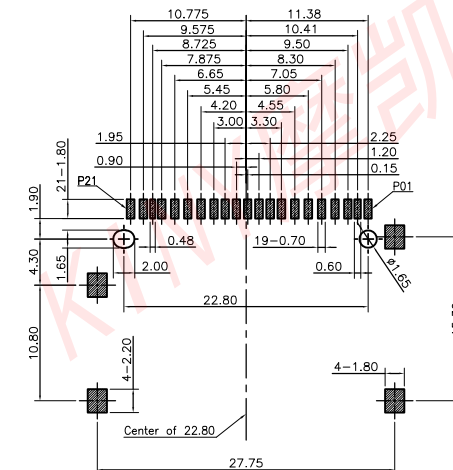
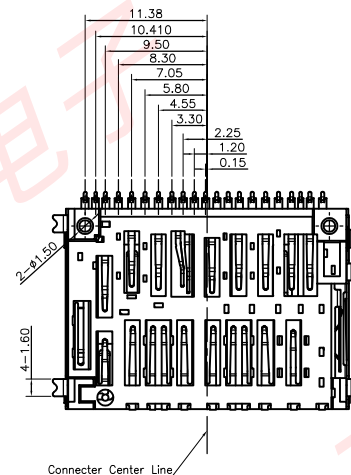
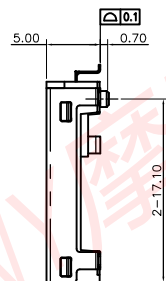
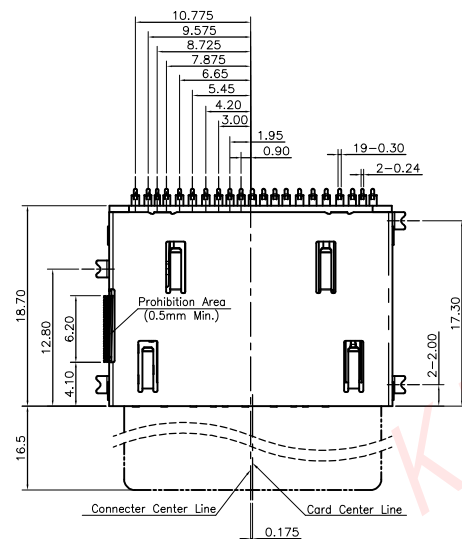
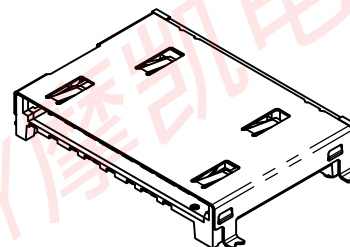
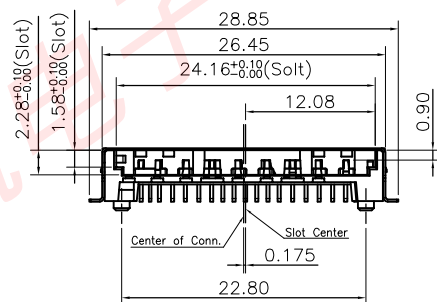


* 所有原料材质,生产制程,电镀必须符合HF要求



Recommended PCB Layout
Top View (Tolerance: 0.05)



Pin Assignment Table

Pin Assignment Table						
SD Mode			UHS-II Mode		SD Express Mode	
Pin No.	Name	Discription	Name	Discription	Name	
P01			VSS3	Supply Voltage Ground	VSS3	Supply Voltage Ground
P02					Reserved	Reserved area for future pad extension
P03	DAT2	Data Line [Bit 2]		Differential Data 0+	CLKREQ0 ¹	Reference clock request output. Not used by UHS-II sub-mode
P04			D0+	Differential Data 0+	PCIE TX+	
P05	CD/DAT0	Card Detect / Data Line [Bit 3]		Differential Data 0-	PERST#	PE-Reset is a functional reset
P06			D0-	Differential Data 0-	PCIE TX-	
P07	CMD	Command / Response				
P08	CD	Card Detect		CD	CD	Card Detect
P09	VSS1	Supply Voltage Ground	VSS1	Supply Voltage Ground	VSS1	Supply Voltage Ground
P10			VSS4	Supply Voltage Ground	VSS4	Supply Voltage Ground
P11			VD02	Supply Voltage (1.8V)	VD02	Supply Voltage (1.8V)
P12	VDD	Supply Voltage	VD01	Supply Voltage (3.3V)	VD01	Supply Voltage (3.3V)
P13			D1-	Differential Data 1-	PCIE RX-	
P14	CLK	Clock				
P15			D1+	Differential Data 1+	PCIE RX+	
P16	VSS2	Supply Voltage Ground	VSS2	Supply Voltage Ground	VSS2	Supply Voltage Ground
P17			VSS5	Supply Voltage Ground	VSS5	Supply Voltage Ground
P18	DAT0	Data Line [Bit 0]	RCLK+		REFCLK0+	PCie Ref Clock
P19					VD03	Supply Voltage (1.2V) –TBD
P20	DAT1	Data Line [Bit 1]	RCLK-		REFCLK-	PCie Ref Clock
P21	WP	Write Protect	WP	Write Protect	WP	Write Protect

Card Uninsertion	
Card Write Protect insertion	
Card Normal insertion	

Note:

1. Material:

- 1-1. Plastic: LCP, Black, UL94V-0
1-2. Contact: Coper Alloy
1-3. Shell: Stainless Steel

2. Plating:

- 2-1. Contact:

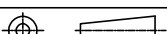
Contact Area: Au 1 μ " min. Plating
Over Ni 50 μ " min.

Soldertail: Matte Tin 100 μ " min. Plating
Over Ni 50 μ " min.

- 2-2. Shell:

Solderability Ni 50μ" min. Over All

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

KINYO		东莞市摩凯电子有限公司							
DIMENSIONS INIT: mm UNLESS OTHERWISE SPECIFIABLE DIMENSIONTOLERANCE X.X: ±0.35 X.XX: ±0.20 X.XXX: ±0.10 ANGULAR: ±2°		PRODUCT NAME : SD7.0 TOP H5.0 Non-push		DRAWING: Jack		DATE: 2021.11.25			
		PRODUCT NO. : SD500-T1250-01		CHECK: Alex		DATE: 2021.11.25			
		DRAWING NO. : D-SD500-T1250-01		APPROVED: Alex		DATE: 2021.11.25			
				SCALE: 1:1		DWG ID: C D		REV.: A	

A	----	NEW RELEASE	Jack	2021.11.25
REVISION NO.	ECR NO.	DESCRIPTION	MARK	DATE