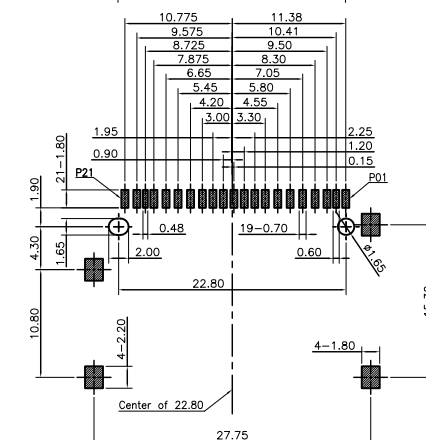
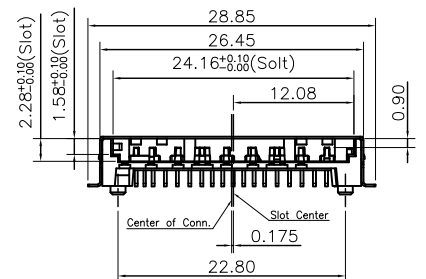
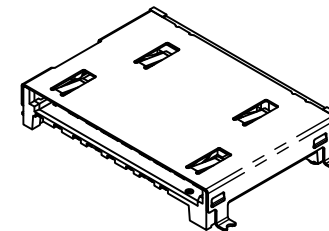
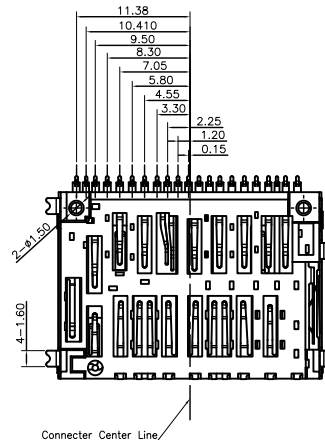
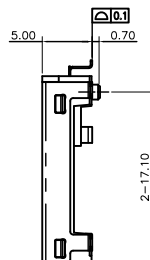
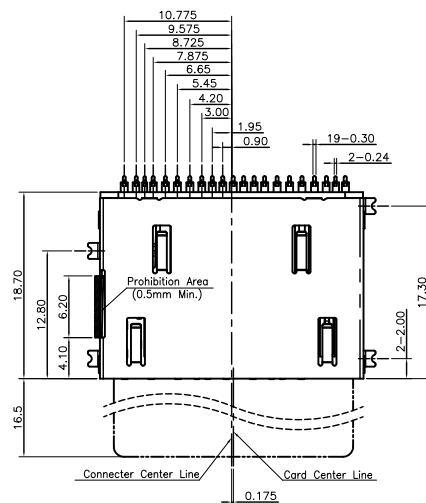




Recommended PCB Layout
Top View (Tolerance: 0.05)

Card Uninsertion	P08 Open P09 P21 Open P09
Card Write Protect insertion	P08 Short P09 P21 Open P09
Card Normal insertion	P08 Short P09 P21 Short P09

Pin Assignment Table

Pin No.	SD Mode		UHS-II Mode		SD Express Mode	
	Name	Description	Name	Description	Name	Description
P01			VSS3	Supply Voltage Ground	VSS3	Supply Voltage Ground
P02			Reserved	Reserved area for future pad extension	Reserved	Reserved area for future pad extension
P03	DAT2	Data Line [Bit 2]	CLKREQ#	PCIe TX+	CLKREQ#	PCIe TX+
P04			D0+	Differential Data 0+	PERST#	PE-Reset is a functional reset
P05	CD/DAT3	Card Detect / Data Line [Bit 3]	D0-	Differential Data 0-	PCIe TX-	PCIe TX-
P06						
P07	CMD	Command / Response	CD	Card Detect	CD	Card Detect
P08	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			VDD2	Supply Voltage (1.8V)	VDD2	Supply Voltage (1.8V)
P12	VDD	Supply Voltage	VDD1	Supply Voltage (3.3V)	VDD1	Supply Voltage (3.3V)
P13			D1-	Differential Data 1-	PCIe RX-	PCIe RX-
P14	CLK	Clock	D1+	Differential Data 1+	PCIe RX+	PCIe RX+
P15						
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+	REFCLK+ PCIe Ref Clock	REFCLK+	PCIe Ref Clock
P19			VDD3	Supply Voltage (1.2V)-TBD	VDD3	Supply Voltage (1.2V)-TBD
P20	DAT1	Data Line [Bit 1]	RCLK-	REFCLK- PCIe Ref Clock	REFCLK-	PCIe Ref Clock
P21	WP	Write Protect	WP	Write Protect	WP	Write Protect

Note:

1. Material:

1-1. Plastic: LCP, Black, UL94V-0

1-2. Contact: Copper Alloy

1-3. Shell: Stainless Steel

2. Plating:

2-1. Contact:

Contact Area: Au 1μ" min. Plating

Over Ni 50μ" min.

Solder tail: Matte Tin 100μ" min. Plating

Over Ni 50μ" min.

2-2. Shell:

Solderability Ni 50μ" min. Over All

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



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TOLERANCE:

X.X ±0.30

X.XX ±0.25

X.XXX ±0.15

X" ±2" X.X" ±0.5"

UNIT: mm [inch]

SCALE: 1:1 SIZE: A4

DRAWN BY :

陈一鸣

DATE :

2014-02-23

PART NAME:

SD 7.0 NO PUSH 垫高5.0H

CHECKED BY:

马跃

DATE :

2014-02-23

PART NO.

HYCW96-SD21-500B

APPROVED BY:

邱敏

DATE :

2014-02-23

DRAW NO:

HYC-2504291002

SHEET NO.

1 OF 1