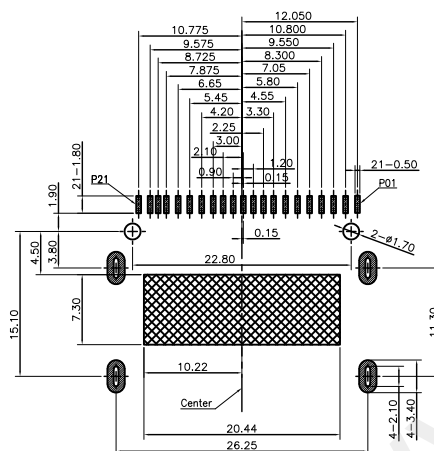
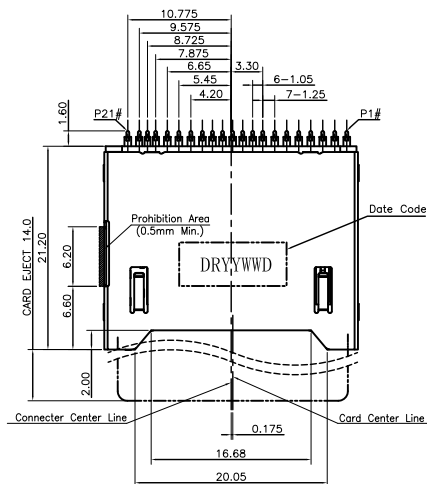
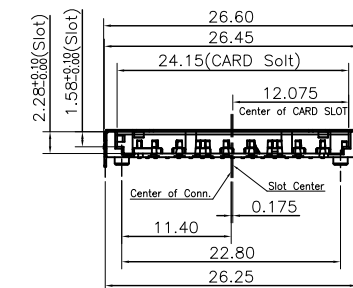
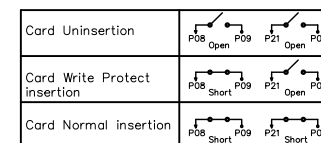
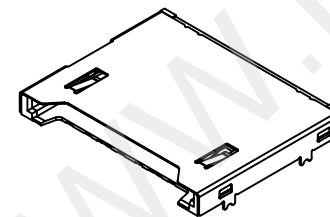
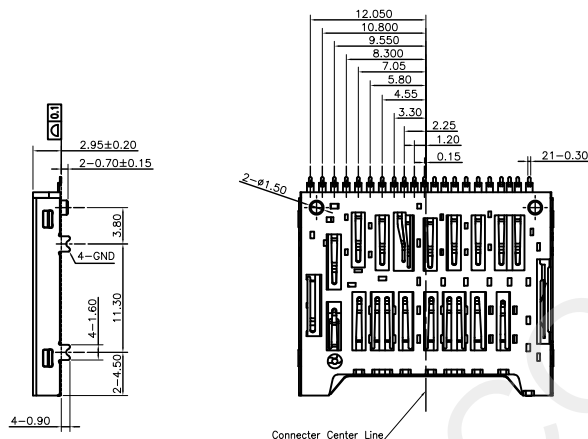




Recommended PCB Layout
Top View (Tolerance ± 0.05)



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 1u" min. Plating
Over Ni 50u" min.

Soldertail: Matte Tin 80u" min. Plating
Over Ni 50u" min.
 - 2-2. Shell:

Solderability Ni 50u" min. Over All
3. Contact And Tail Coplanarity To Be 0.10mm max.

Pin Assignment Table

Pin No.	SD Mode		UHS-I Mode		SD Express Mode	
	Name	Description	Name	Description	Name	Description
P01			VDD1	Supply Voltage Ground	VDD1	Supply Voltage Ground
P02			VDD2	Supply Voltage Ground	VDD2	Supply Voltage Ground
P03					RESERVED	Reserved area for future pad assignment
P04	DATA2	Data Line [Bit 2]			CLOCKED	Reserved area for future pad assignment
P05					IOE1	IOE1 (IOE 1) Pad not supported
P06					IOE2	IOE2 (IOE 2) Pad not supported
P07	DATA3	Data Detect / Data Line [Bit 3]	DD+	Differential Data 0+	PENSTB	PE-Reest to a functional reset
P08			DD-	Differential Data 0-	PC1-	PC1-
P09	CMD	Command / Response	DD+	Differential Data 1+	PC1-	PC1-
P0B	SD	Card Detect	CD	Card Detect	CD	Card Detect
P0F	VDD1	Supply Voltage Ground	VDD1	Supply Voltage Ground	VDD1	Supply Voltage Ground
P10			VDD4	Supply Voltage Ground	VDD4	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-	PC1-R0	PC1-R0
P14	CLK	Clock				
P15			D1+	Differential Data 1+	PC1-R0+	PC1-R0+
P16	VDD2	Supply Voltage Ground	VDD2	Supply Voltage Ground	VDD2	Supply Voltage Ground
P17			VDD5	Supply Voltage Ground	VDD5	Supply Voltage Ground
P18	DATA0	Data Line [Bit 0]	IOCLK+		REFCLK+	PCIe Ref Clock
P20	DATA1	Data Line [Bit 1]	IOCLK-		REFCLK-	PCIe Ref Clock
P21	WP	Write Enable	WP	Write Protect	WP	Write Protect
P22					IOE3	IOE3 (IOE 3) Pad not supported



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TOLERANCE:		DRAWN BY :		DATE :		PART NAME:	
X.X ±0.30		陈一鸣		2014-02-23		SD 7.0 PUSH 2.9H DIP	
X.XX ±0.25		CHECKED BY:		DATE :		PART NO.	
X.XXX ±0.15						HYC103-SD21-290	
X: ±2° X.X ±0.5°		马跃		2014-02-23		MOLD NO.	
							
		APPROVED BY:		DATE :			
UNIT: mm [inch]		邱敏		2014-02-23		HYC-2509191445	
SCALE: 1:1		SIZE: A4				SHEET NO.	
						1 OF 1	