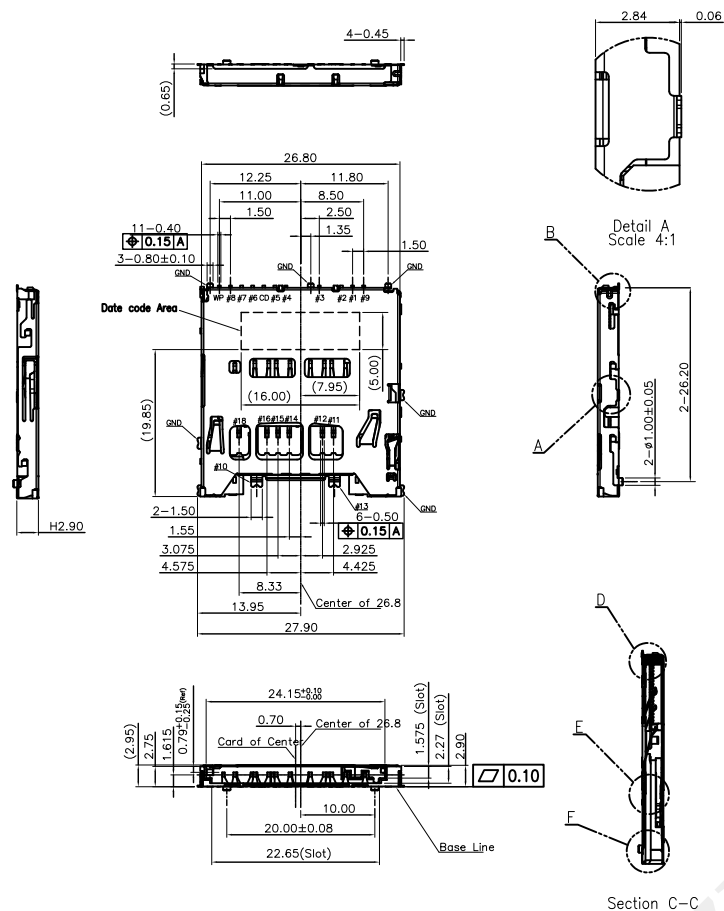
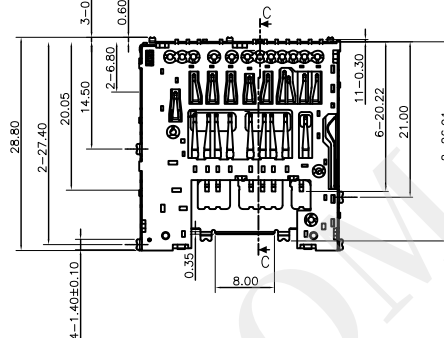
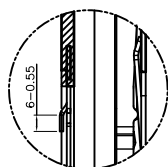
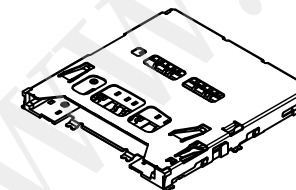


Detail B
Scale 4:1

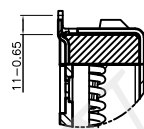


Note:

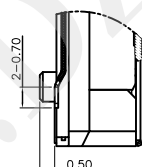
1. Material:
 - 1-1. Plastic: LCP S475, Black, HF, UL94V-0
 - 1-2. Contact: Copper Alloy, C5210R-H
 - 1-3. Shell: Stainless Steel, SUS304-H
2. Plating:
 - 2-1. Contact:
Contact Area: Au 1μ" min. Plating Over Ni 50μ" min.
Solderable: Gold Flash Plating Over Ni 50μ" min.
 - 2-2. Shell:
Solderable Ni 50μ" min. Over All
3. Electrical Characteristics:
 - 3-1. Contact Current Rating: 0.5Amperes.
 - 3-2. Dielectric Withstanding Voltage: AC500V r.m.s.
 - 3-3. Insulation Resistance: 1000 Megohms
 - 3-4. Contact Resistance: 100 Miliohms Maximum.
4. Environmental:
 - 4-1. Operating Temperature: -25° C to +85° C.
 - 4-2. Salty spray: 48H
5. Steel mesh: Recommending a metal mask more than 0.13mm thick.
If use a metal mask less than 0.13mm thick, please confirm solderability.



Detail E
Scale 4:1



Detail D
Scale 4:1

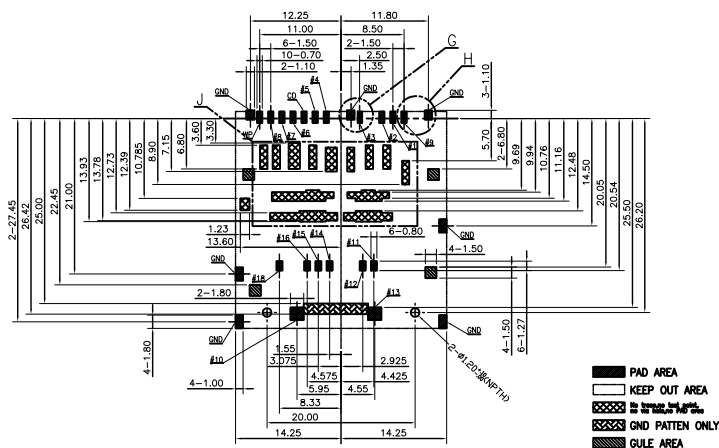


Detail F
Scale 4:1

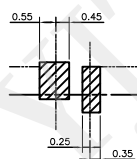
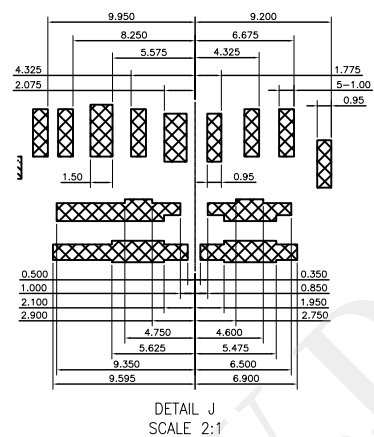


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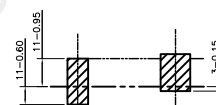
TOLERANCE:		DRAWN BY :		DATE :		PART NAME:	
X.X ±0.30		陈一鸣		2014-02-23		SD 7.0 PUSH 2.9H SMT	
X.XX ±0.25		CHECKED BY:		DATE :		PART NO.	
X.XXX ±0.15						HVC91-SD18-290	
X: ±2° X.X ±0.5°		马跃		2014-02-23		MOLD NO.	
						APPROVED BY:	
		HVC-2502281040					
UNIT: mm [inch]		邱敏		2014-02-23		SHEET NO.	
SCALE:1:1 SIZE: A4						1 OF 1	



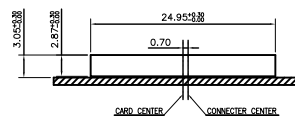
RECOMMENDED PCB LAYOUT (TOP VIEW)
TOLERANCE UNLESS OTHERWISE SPEC ± 0.05



DETAIL G
SCALE 4:1



DETAIL H
SCALE 4:1

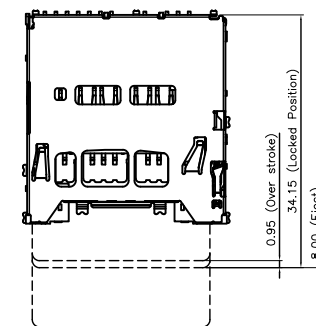


RECOMMENDED ID DIMENSION

Pin Assignment

P1: P1000 (GEMV)				P2: P1000 (GEMV)			
Pin#	SD Mode	UIS 11 Mode	SD Express Gpio	Pin#	SD Mode	UIS 11 Mode	SD Express Gpio
#1	CD/DAT3		PERST#	#11	D0+	PCIO_1X+	
#2	CMD			#12	D0-	PCIO_1X-	
#3	VSS1	VSS1	VSS1	#13		VSS4	VSS4
#4	VDD	VDD1	VDD1	#14		VDD2	VDD2
#5	CLK			#15	D1-	PCIO_0X-	
#6	VSS2	VSS2	VSS2	#16	D1+	PCIO_0X+	
#7	BAT0	RCLK#	REFCLK+	#17		VSS5	VSS5
#8	DAT1	RCLK-	REFCLK-	#18			VDD3
#9	DAT2		CLKREQ#	CD			Card Detect
#10		VSS3	VSS3	NP			Write Protect

Function #10, #13, #17 were integrated into 2 pin inMechanical design, and compares to the Layout would be (#10, #13)



Card Push State



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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 SMT	
X.XX ±0.25							
X.XXX ±0.15		CHECKED BY:		DATE :		PART NO.	
X.* ±2* X.X* ±0.5*		马跃		2014-02-23		HVC91-SD18-290	
						MOLD NO.	
UNIT: mm [inch]		APPROVED BY:		DATE :		DRAW NO:	
SCALE:1:1		邱敏		2014-02-23		HVC-2502281040	
SIZE: A4						SHEET NO.	
						1 OF 1	