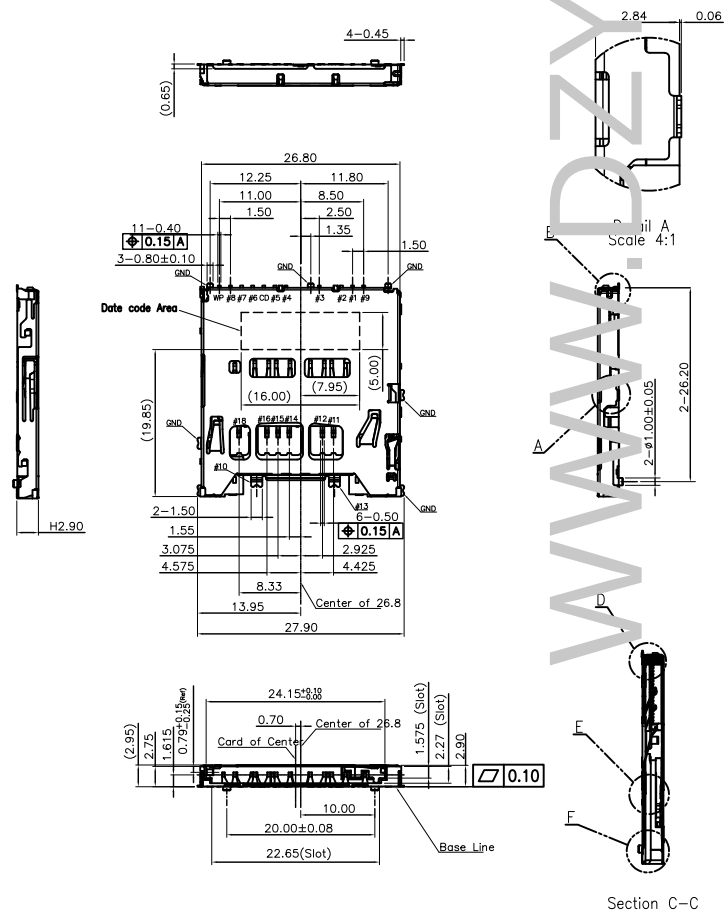
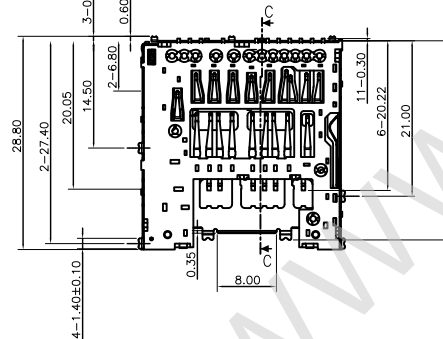
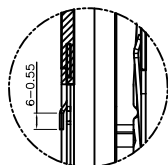
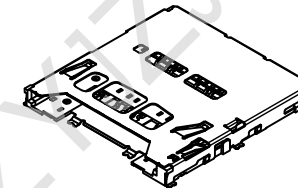


Detail B
Scale 4:1

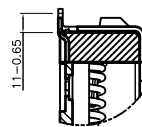


Note:

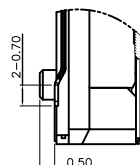
1. Material:
 - 1-1. Plastic: LCP S475, Black, HF, UL94V-0
 - 1-2. Contact: Cucooper Alloy, C5210R-H
 - 1-3. Shell: Stainless Steel, SUS304-H
2. Plating:
 - 2-1. Contact:
Contact Area: Au 1μ" min. Plating Over Ni 50μ" min.
Solderable: Gold Flash Plating Over Ni 50μ" min.
 - 2-2. Shell:
Solderable Ni 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

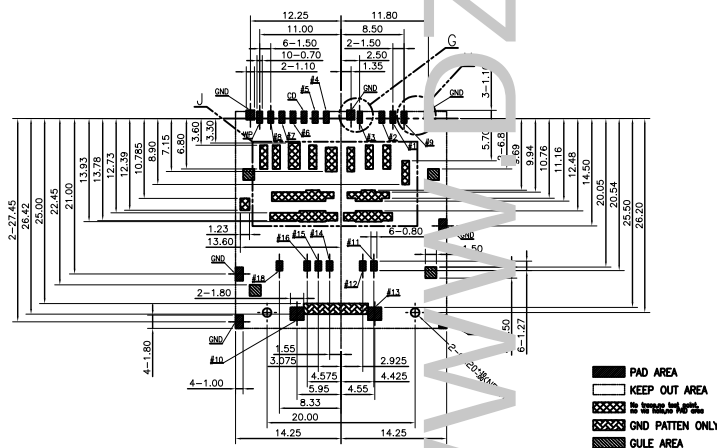
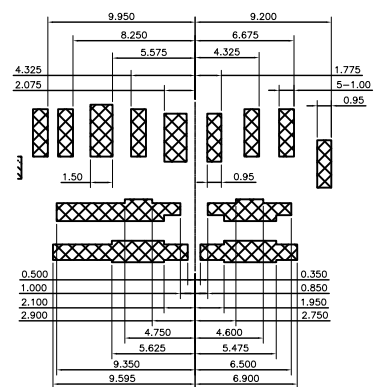
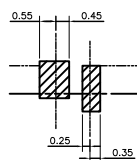
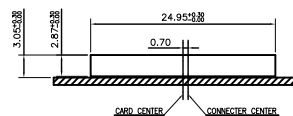


Detail F
Scale 4:1



深圳市华宇创精密电子有限公司

TOLERANCE:		DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME:	
X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X.* ±2* X.X* ±0.5*				SD 7.0 PUSH 2.9H SMT	
 UNIT: mm [inch]		CHECKED BY:	DATE :	PART NO.	HYC91-SD18-290
		马跃	2014-02-23	MOLD NO.	
SCALE:1:1 SIZE: A4		APPROVED BY:	DATE :	DRAW NO:	HYC-2502281040
		邱敏	2014-02-23	SHEET NO.	1 OF 1

RECOMMENDED PCB LAYOUT (TOP VIEW)
TOLERANCE UNLESS OTHERWISE SPECIFIED: ±0.05DETAIL J
SCALE 2:1DETAIL G
SCALE 4:1DETAIL H
SCALE 4:1

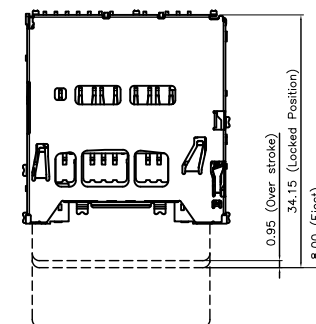
RECOMMENDED ID DIMENSION

Pin Assignment

Pin#	SD Mode	UIS 11 Mode	SD Express Card	Pin#	SD Mode	UIS 11 Mode	SD Express Card
#1	CD/DAT3		PERST#	#11		DO+	PCle_Tx+
#2	CMD			#12		DO-	PCle_Tx-
#3	VSS1	VSS1	VSS1	#13	VSS4	VSS4	VSS4
#4	VDD	VDD1	VDD1	#14	VDD2	VDD2	
#5	CLK			#15	D1+	PCle_Rx+	
#6	VSS2	VSS2	VSS2	#16	D1+	PCle_Rx+	
#7	DAT0	DCLK+	REFCLK+	#17	VSS5	VSS5	
#8	DAT1	DCLK-	REFCLK-	#18	VDD3	VDD3	
#9	DAT2		CD				Card Detect
#10	VSS3	VSS3	WP				Write Protect

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

Card Uninsertion	#CD Open GND	#WP Open GND
Card Write Protect Insertion	#CD Short GND	#WP Open GND
Card Normal insertion	#CD Short GND	#WP Short GND



Card Push State



深圳市华宇创精密电子有限公司

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