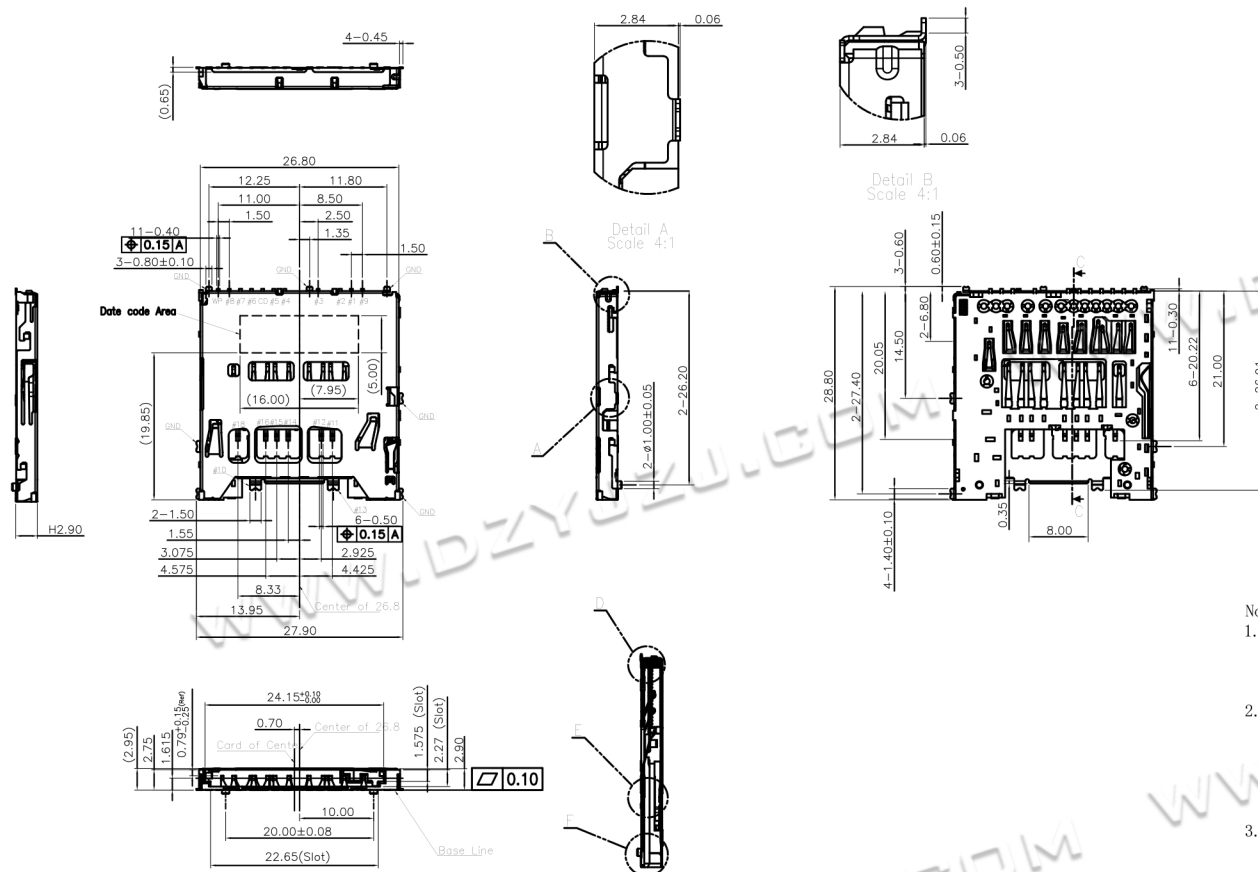




Note:

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 Milliohms Maximum.

4. Environmental:

- 4-1. Operating Temperature: -25° C to +85° C.
- 4-2. Salty spray: 48H

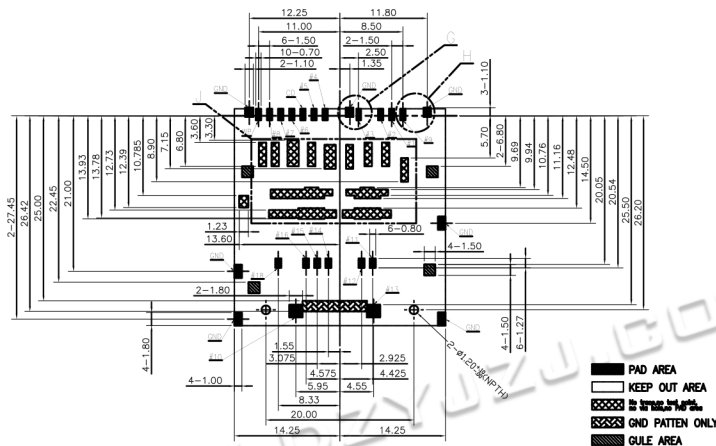
5. Steel mesh: Recommending a metal mask more than 0.13mm thick.

If use a metal mask less than 0.13mm thick, please confirm solderability.

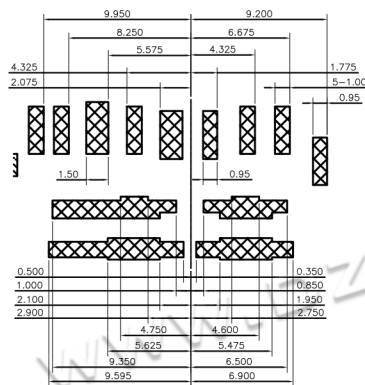


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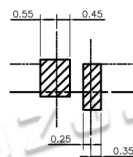
TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X.* ±2* X.X* ±0.5*	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: SD 7.0 PUSH 2.9H SMT
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HVC91-SD18-290
 UNIT: mm [inch] SCALE: 1:1 SIZE: A4	APPROVED BY: 邱敏	DATE : 2014-02-23	MOLD NO.
			DRAW NO: HVC-2502281040
			SHEET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



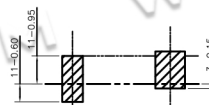
RECOMMENDED PCB LAYOUT (TOP VIEW)
TOLERANCE UNLESS OTHERWISE SPEC ± 0.05



DETAIL J
SCALE 2:1



DETAIL G
SCALE 4:1

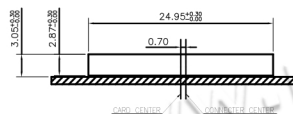


DETAIL H
SCALE 4:1

Pin Assignment

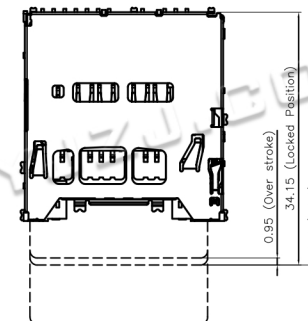
Pin#	SD Mode	UHS II Mode	SD Express Card	PERST#	Pin#	SD Mode	UHS II Mode	SD Express Card
#1	CD/DAT3				#11	D0+		PCIe Tx+
#2	CMD				#12	D0-		PCIe Tx-
#3	VSS1	VSS1			#13	VSS4		VSS4
#4	VDD	VDD1	VDD1		#14	VDD2		VDD2
#5	CLK				#15	D1-		PCIe Rx-
#6	VSS2	VSS2			#16	D1+		PCIe Rx+
#7	DAT0	RCLK+	REFCLK+		#17	VSS5		VSS5
#8	DAT1	RCLK-	REFCLK-		#18			VDD3
#9	DAT2		CLKREQ#	CD				Card Detect
#10		VSS3		WP				Write Protect

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



RECOMMENDED ID DIMENSION

Card Uninsertion	
Card Write Protect Insertion	
Card Normal Insertion	



Card Push State

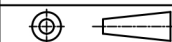


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TOLERANCE:

X.X ± 0.30
X.XX ± 0.25
X.XXX ± 0.15

X' $\pm 2'$ X.X' $\pm 0.5'$



UNIT: mm [inch]

SCALE: 1:1 SIZE: A4

DRAWN BY :

陈一鸣

CHECKED BY:

马跃

APPROVED BY:

邱敏

DATE :

2014-02-23

DATE :

2014-02-23

DATE :

2014-02-23

PART NAME:

SD 7.0 PUSH 2.9H SMT

PART NO.

HYC91-SD18-290

MOLD NO.

DRAW NO:

HYC-2502281040

SHEET NO.

1 OF 1