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1. Material:
 - 1-1. Plastic: HEAT RESISTANCE LCP,Black,HF,UL94V-0
 - 1-2. Contact: Coppeer Alloy
 - 1-3. Shell: Stainless Steel
2. Plating:
 - 2-1. Contact:

Contact Area: Au 1μ" min. Plating Over Ni 50μ" min.

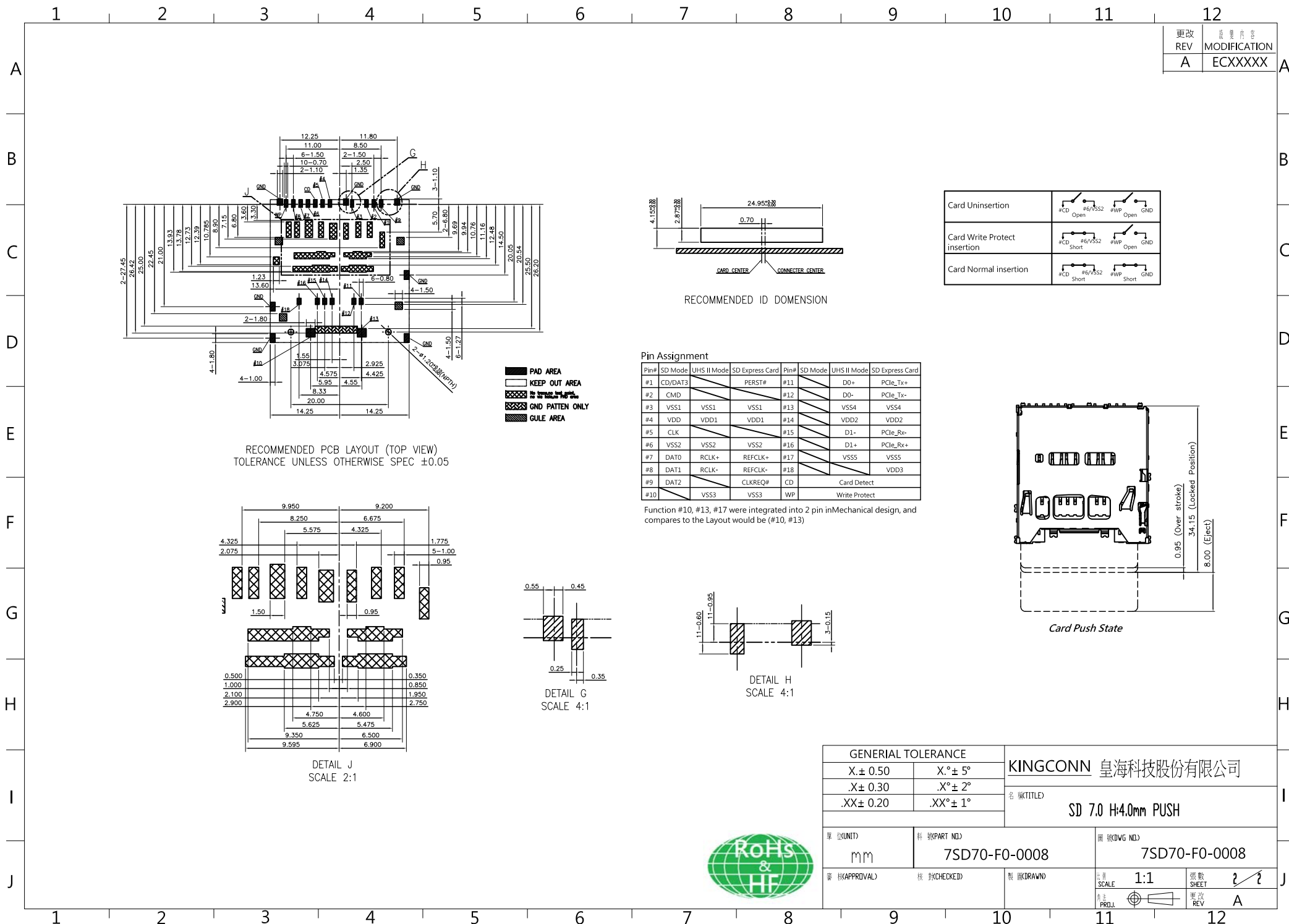
Soldertile: Gold Flash Plating Over Ni 50μ" min.
 - 2-2. Shell:

Solderable Ni 50μ" min. Over All
3. Contact And Soldertile Coplanarity to be 0.10mm max.
4. Electrical Characteristics:
 - 4-1. Contact Current Rating:0.5Amperes.
 - 4-2. Dielectric Withstanding Voltage:AC500V r.m.s.
 - 4-3. Insulation Resistance:1000 Megohms
 - 4-4. Contact Resistance:100 Miliohms Maximum.
5. Environmental:
 - 5-1. Operating Temperature:-25°C to +85°C.
 - 5-2. Salty spray: 48H

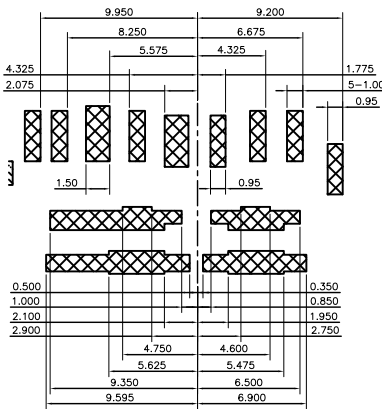


C
D
E
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G
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I
J

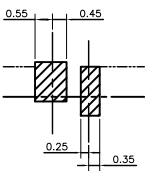




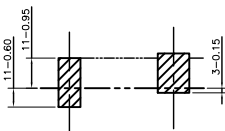
RECOMMENDED PCB LAYOUT (TOP VIEW)
TOLERANCE UNLESS OTHERWISE SPEC ± 0.05



DETAIL J
SCALE 2:1



DETAIL G
SCALE 4:1

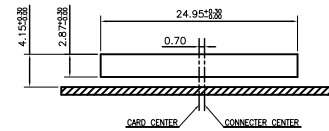


DETAIL H
SCALE 4:1

Pin Assignment

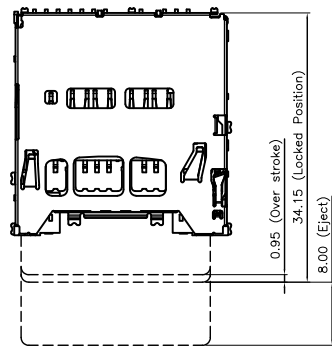
Pin#	SD Mode	UHS II Mode	SD Express Card	Pin#	SD Mode	UHS II Mode	SD Express Card
#1	CD/DAT3		PERST#	#11		D0+	PCle_Tx+
#2	CMD			#12		D0-	PCle_Tx-
#3	VSS1	VSS1	VSS1	#13		VSS4	VSS4
#4	VDD	VDD1	VDD1	#14		VDD2	VDD2
#5	CLK			#15		D1-	PCle_Rx-
#6	VSS2	VSS2	VSS2	#16		D1+	PCle_Rx+
#7	DAT0	RCLK+	REFCLK+	#17	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



Card Push State

GENERAL TOLERANCE		KINGCONN 皇海科技股份有限公司	
X ± 0.50	X° $\pm 5^\circ$		
.X ± 0.30	.X° $\pm 2^\circ$	名 称(TITLE) SD 7.0 H:4.0mm PUSH	
.XX ± 0.20	.XX° $\pm 1^\circ$		
单 位(UNIT) mm	料 号(PART NO.) 7SD70-F0-0008	图 号(DWG NO.) 7SD70-F0-0008	图 数 SHEET 2/2
审 核(APPROVAL)	核 对(CHECKED)	製 图(DRAWN)	
		SCALE 1:1	更 改 REV A

