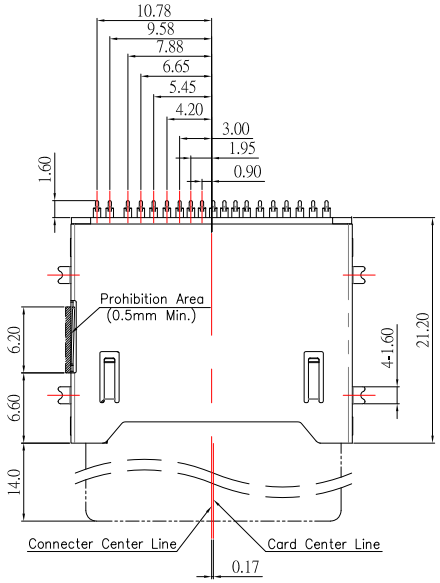
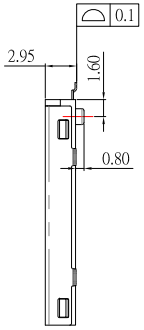
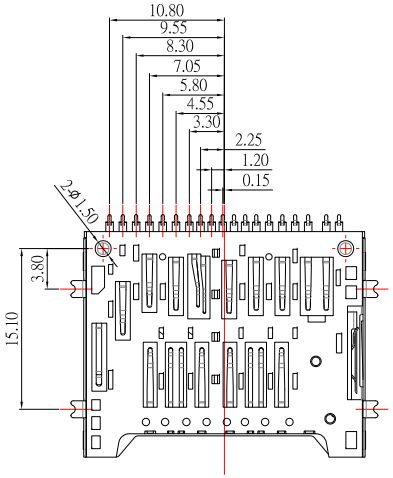
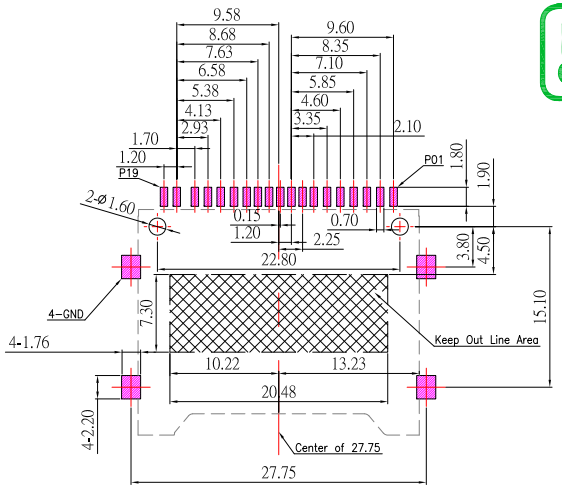
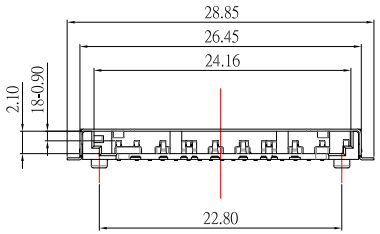








RECOMMEND PCB LAYOUT



Card Uninsertion	P08 Open P07 P08 Open P19
Card Write Protect insertion	P08 Short P07 P08 Open P19
Card Normal insertion	P08 Short P07 P08 Short P19

Pin Assignment

Pin#	Name	Description	Pin#	Name	Description
P01	VSS3	Supply Voltage Ground	P11	VDD1	Supply Voltage (3.3V)
P02	DAT2	Data Line [Bit 2]	P12	D1-	Deferential Data 1-
P03	D0+	Deferential Data 0+	P13	CLK	Clock
P04	CD/DAT3	Card Detect/Data Line [Bit 3]	P14	D1+	Deferential Data 1+
P05	D0-	Deferential Data 0-	P15	VSS2	Supply Voltage Ground
P06	CMD	Command/Response	P16	VSS5	Supply Voltage Ground
P07	CD	Card Detect	P17	DAT0	Data Line [Bit 0]
P08	VSS1	Supply Voltage Ground	P18	DAT1	Data Line [Bit 1]
P09	VSS4	Supply Voltage Ground	P19	WP	Write Protect
P10	VDD2	Supply Voltage (1.8V)			

SPECIFICATION

Electrical :

1.Current Rating: 0.5A

2.Dielectric Withstanding Voltage: 500V AC

3.Contact Resistance: 100 mΩ Max.

4.Insulation Resistance: 1,000 MΩ Min.

Environmental:

1.Operating Temperature: -25˚C ~ +85˚C.

Material:

1.Housing: LCP

2.Contact: Phosphor Bronze

3.Shell: Stainless Steel

Finish:

1.Contact: Plated Gold in Mating Area ;
Tin Plated on Solder Balls ;
Nickel under plated overall

2.Shell: Nickel under Plated surface layer

ITEM NO.	DESCRIPTION	DRAWN	DATE
3	更新樣式	Jack	062022
2	新增尺寸標示	Jack	061022
1	新增"HF"標示	Jack	033122

CONTACT 建倚科技股份有限公司
CONTACT TECHNOLOGY CORP.

TOLERANCE UNLESS OTHERWISE STATED : Up to 5 ±0.2; Above 5 ~ 15 ±0.3; Above 15 ~ 30 ±0.4; Above 30 ~ 50 ±0.5; Angle ±0.3˚

3RD. ANGEL'S | UNITS MM

		DATE
DRAWN BY:	Jack Lu	06/20/22
CHECKED BY:	Jacky Chen	06/20/22
APPROVED BY:	Tony Kao	06/20/22

MAT'L		TITLE	CONNECTOR
FINISH		MODLE	SD 4.0 H2.95 Non- PUSH SMT TYPE
SCALE	1 : 1	DWG NO.	SD4-295-HF-S267
SHEET NO.	1 of 1	PART NO.	SD4-295-HF-S267

SIZE A4 | VER R3