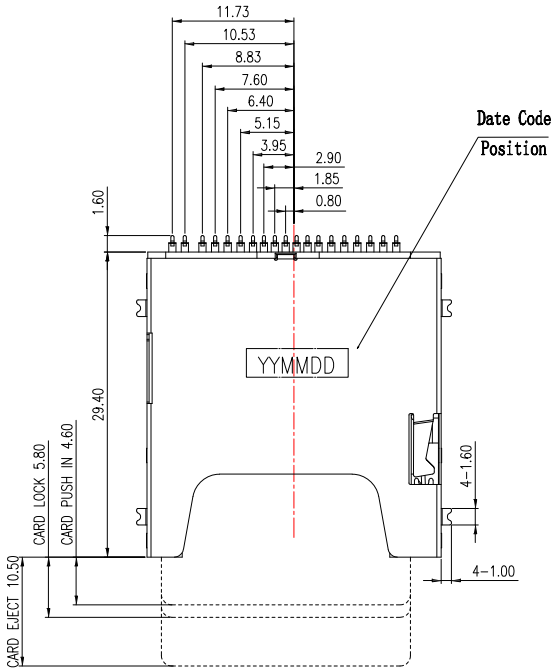
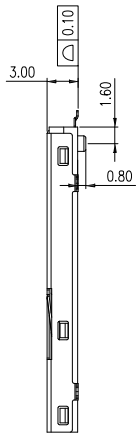
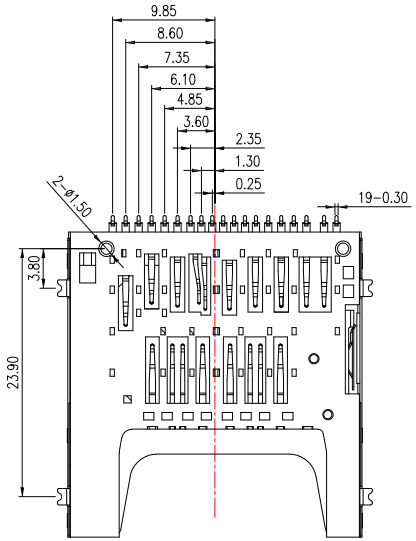
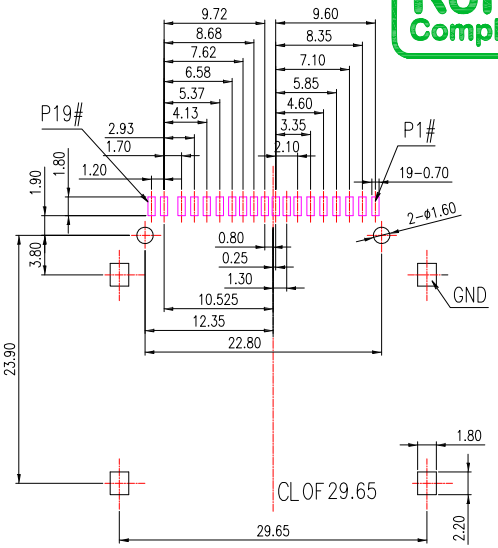
RoHS Compliant

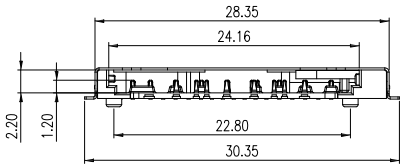








PCB LAYOUT



CARD DETECT	7# 8# CARD OUT	7# 8# CARD INSERT
WRITE PROTECT	19# GND WRITE PROTECTED	19# GND# WRITE ENABLE

PIN DEFINE:

PIN#	NAME	DESCRIPTION	PIN#	NAME	DESCRIPTION
1	VSS3	GROUND	11	VDD1	SUPPLY VOLTAGE
2	DAT2	DATA LINE BIT2	12	D1-	DIFFERENTIAL DATE 1-
3	DO+	DIFFERENTIAL DATE 0+	13	CLK	CLOCK
4	CD/DAT3	CARD DETECT/DATA LINE BIT3	14	D1+	DIFFERENTIAL DATE 1+
5	DO-	DIFFERENTIAL DATE 0-	15	VSS2	SUPPLY VOLTAGE GROUND
6	CMD	COMMAND/RESPONSE	16	VSS5	GROUND
7	CD	CARD DETECT	17	DAT0	DATA LINE BIT0
8	VSS1	SUPPLY VOLTAGE GROUND	18	DAT1	DATA LINE BIT1
9	VSS4	GROUND	19	WP	WRITE PROTECT
10	VDD2	SUPPLY VOLTAGE(1.8V)			

SPECIFICATION

Electrical :

1.Current Rating: 1.0A

2.Voltage Rating: 3.3V / 5.0V(AC/DC)

3.Contact Resistance: 100 mΩ Max.

4.Insulation Resistance: 1000 MΩ Min.

5.dielectric Withstanding Voltage: 500V AC

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

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

DRAWN BY: Jack Lu	DATE 01/26/26	MAT'L	
CHECKED BY: Jacky Chen	DATE 01/26/26	FINISH	
APPROVED BY: Tony Kao	DATE 01/26/26	SCALE	1 : 1
		SHEET NO.	1 of 1

TITLE	CONNECTOR		
MODLE	SD 4.0 H3.0 PUSH PUSH TYPE		
DWG NO.	SD4-3000-S502	SIZE	A4
PART NO.	SD4-3000-S502	VER	R