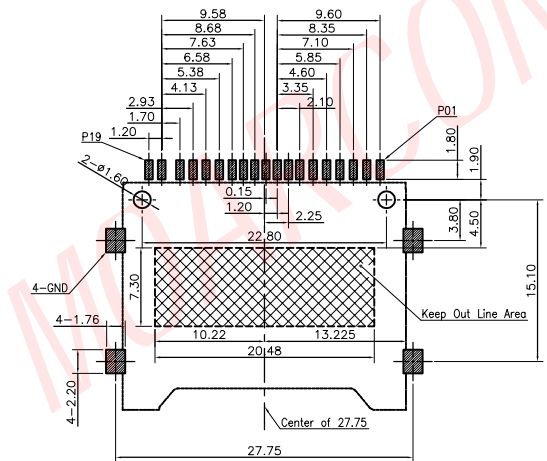
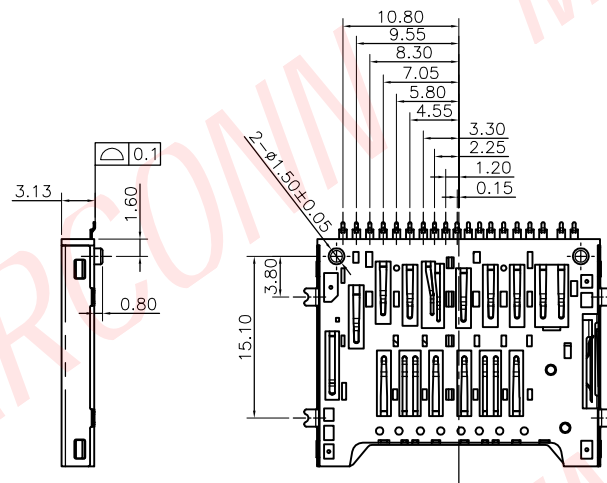
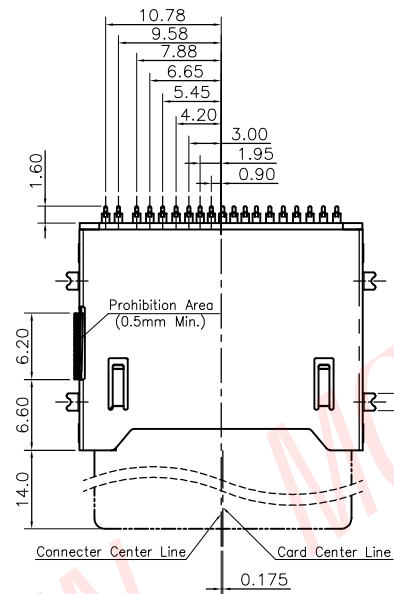
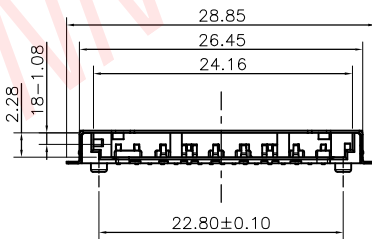


All materials, plating and process meet HF requirements.



Recommended PCB Layout  
Tolerance ±0.05



Card Uninsertion	
Card Write Protect insertion	
Card Normal insertion	

Note:

- Material:
  - 1-1. Plastic: LCP, S475, Black, HF, UL94V-0
  - 1-2. Contact: C5210
  - 1-3. Shell: SUS304
- Plating:
  - 2-1. Contact: Contact Area: Au 1μ" min. Plating. Over Ni 50μ" min. Solder tail: Matte Tin 100μ" min. Plating. Over Ni 50μ" min.
  - 2-2. Shell: Ni 50μ" min. Over All, Solder Foot 1μ" Gold Over Ni
- Contact And Tail Coplanarity To Be 0.10mm max.
- 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 mΩ Maximum.
- Mechanical Characteristics:
  - 5-1. Mating Cycles: 10,000 Cycles.
- Environmental:
  - 6-1. Operating Temperature: -25° C ~ +85° C.
  - 6-2. Salty spray: 48H

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-	Differential Data 1-
P03	DO+	Differential Data 0+	P13	CLK	Clock
P04	CD/DAT0	Card Detect/Data Line [Bit 3]	P14	D1+	Differential Data 1+
P05	DO-	Differential 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)			

**MOARCONN**  
MORE CONNECTIONS. SMARTER FUTURE.

**DONG GUAN MOARCONN ELECTRONIC Co., Ltd.**

DIMENSIONS INIT: mm  
UNLESS OTHERWISE SPECIFIABLE

DIMENSION	TOLERANCE
X.X: ±	0.35
X.XX: ±	0.20
X.XXX: ±	0.10
ANGULAR: ±	2'

PRODUCT NAME : SD4.0 Topmount H3.13 SMT Non-push	DRAWING: Alexander	DATE: 2021.07.03
PRODUCT NO. : SD313-T1251-01	CHECK:	DATE:
DRAWING NO. : D-SD313-T1251-01	APPROVED:	DATE:
SCALE: 1:1	DWG ID: C D	REV.: A
		PAGE: 1 OF 1

A	----	NEW RELEASE	Alexander	2021.07.03
REVISION NO.	ECR NO.	DESCRIPTION	MARK	DATE
1	2	3	4	5