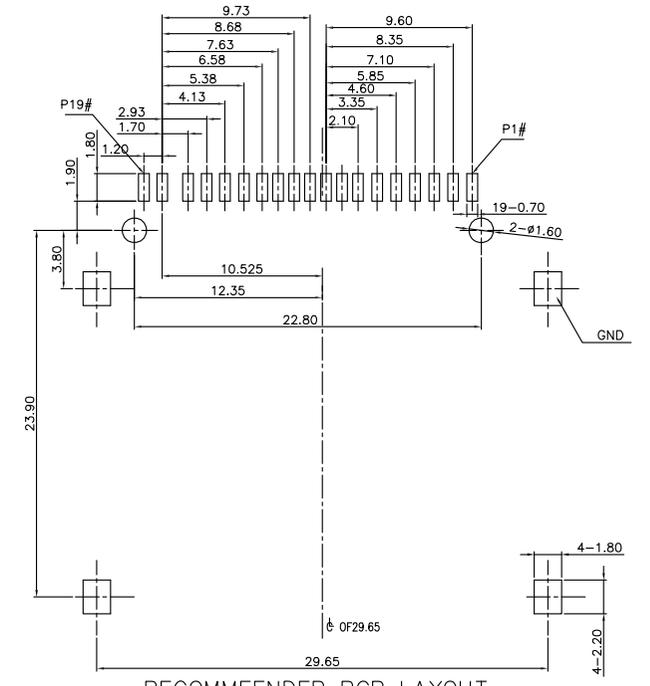
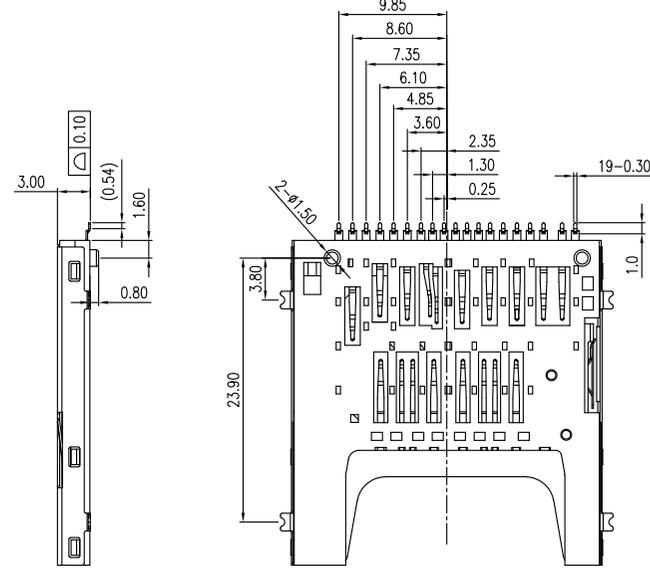
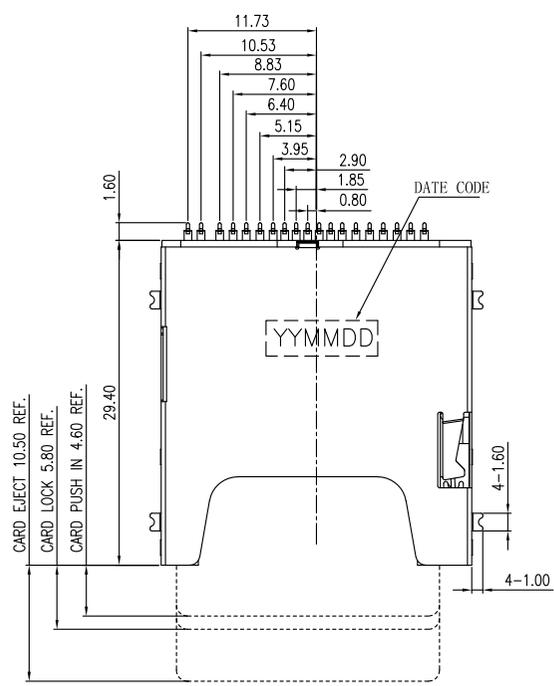
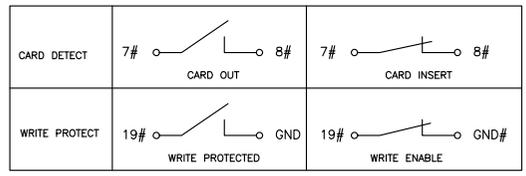
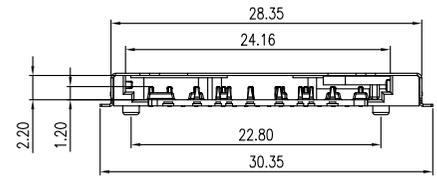


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2022/12/21	Hanson



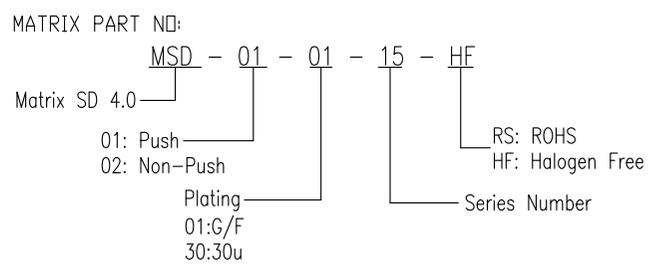
RECOMMENDER PCB LAYOUT
TOLERANCE UNLESS OTHERWISE IS ±0.05



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

- Material:
 - Insulator: LCP, rated UL94V-0,color:black.
 - Contacts: Phosphor Bronze, Tin 80u'MIN at Solder Tail, Gold Flash on Contact Area Plating.
 - Shell: Stainless.
 - Gold at Solder Tail, Over Nickel Plating.
- Electrical Characteristics:
 - Operating voltage: 30V.
 - Current rating : 1.0 A.
 - Operating Temperature: -40°C~+85°C.
 - Insulation resistance: 100OM ohms min. at 500VDC
 - Dielectric withstanding voltage:500 VAC/1minute.
 - Contact resistance: 100m ohms max.
 - Mating cycle: 5000 cycles, spring is not breaking.



Matrix Electronics Co.,Ltd

TOLERANCE: X:X ±0.30 X:XX ±0.25 X:XXX ±0.15 ANGLE: ±3	DESIGN BY : Hanson Huang	DATE : 2022/12/21	PART NAME: SD 4.0 push	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Vicky Hsieh	DATE : 2022/12/21	PART NO.	MSD-01-01-15-HF
	APPROVED BY1: Richard Hsieh	DATE : 2022/12/21	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2022/12/21	DRAW NO.	
			SHEET NO.	1 OF 1