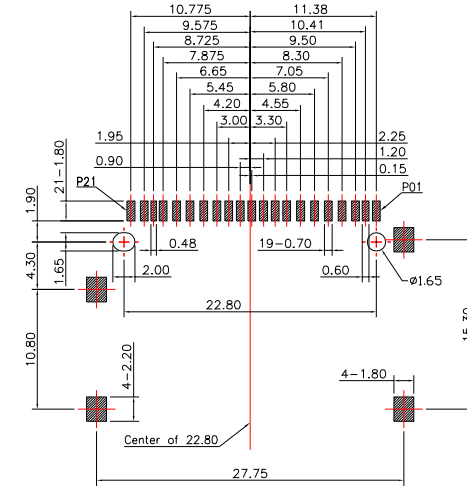
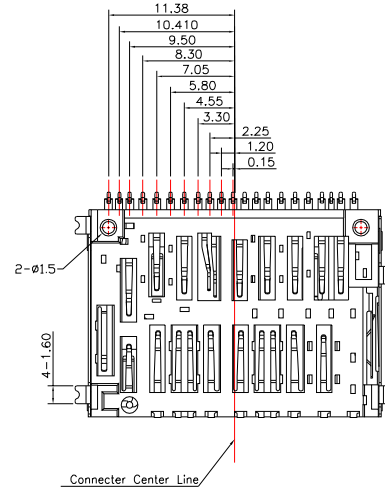
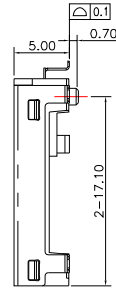
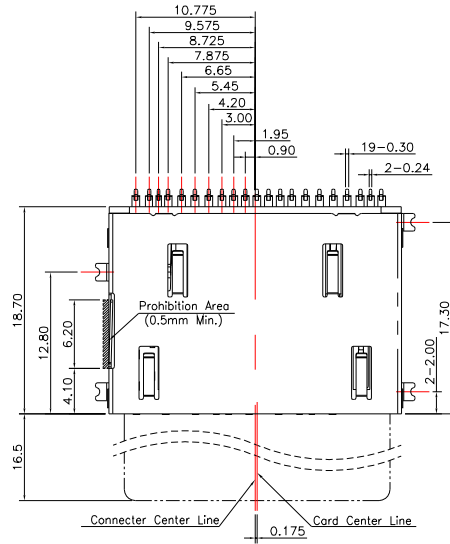
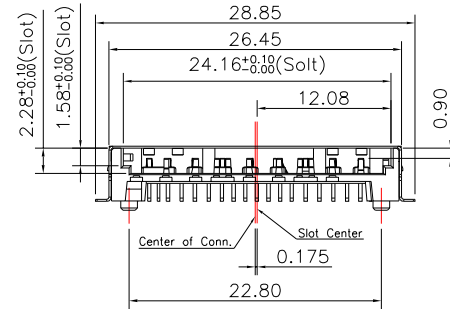


ROHS



Recommended PCB Layout
Top View (Tolerance ±0.05)



Pin Assignment Table

Pin No.	SD Mode		UHS-II Mode		SD Express Mode	
	Name	Discreption	Name	Discreption	Name	Discreption
P01			VSS3	Supply Voltage Ground	VSS3	Supply Voltage Ground
P02						Reserved area for future pad extension
P03	DAT2	Data Line [Bit 2]			CLKREQ#	Reference clock request signal. Also used by L1 PM sub-states
P04			D0+	Differential Data 0+	PCle TX+	
P05	CD/DAT3	Card Detect / Data Line [Bit 3]			PERST#	PE-Reset is a functional reset
P06			D0-	Differential Data 0-	PCle TX-	
P07	CMD	Command / Response				
P08	CD	Card Detect	CD	Card Detect	CD	Card Detect
P09	VSS1	Supply Voltage Ground	VSS1	Supply Voltage Ground	VSS1	Supply Voltage Ground
P10			VSS4	Supply Voltage Ground	VSS4	Supply Voltage Ground
P11			VDD2	Supply Voltage (1.8V)	VDD2	Supply Voltage (1.8V)
P12	VDD	Supply Voltage	VDD1	Supply Voltage (3.3V)	VDD1	Supply Voltage (3.3V)
P13			D1-	Differential Data 1-	PCle RX-	
P14	CLK	Clock				
P15			D1+	Differential Data 1+	PCle RX+	
P16	VSS2	Supply Voltage Ground	VSS2	Supply Voltage Ground	VSS2	Supply Voltage Ground
P17			VSS5	Supply Voltage Ground	VSS5	Supply Voltage Ground
P18	DAT0	Data Line [Bit 0]	RCLK+		REFCLK+	PCle Ref Clock
P19					VDD3	Supply Voltage (1.2V)-TBD
P20	DAT1	Data Line [Bit 1]	RCLK-		REFCLK-	PCle Ref Clock
P21	WP	Write Protect	WP	Write Protect	WP	Write Protect

Specification

- 1 Current Rating :0.5A.
- 2 Voltage Rating :DC 5V
- 3 Ambient Temperature Range : -25°C~+85°C
- 4 Ambient Humidity Range :95% R.H. Max.
- 5 Contact Resistance:100mΩ max.
- 6 Insulation Resistance:1000MΩ min./500VDC
- 7 Durability:10,000 cycles

Card Uninsertion	
Card Write Protect insertion	
Card Normal insertion	

③	Shell	—	1	SUS	Ni Plated	—
②	Terminal	—		—	—	—
①	Housing	—	1	—	Black	—
ITEM	PART NAME	TER'NO.	QTY.	MATERIAL	FINISHING	REMARK

APPROVALS		DATE				
DRAWN						
CHECKED				TITLE:		
APPROVALS				PART NO.		
TOLERANCES ARE	30~	±0.30	ANGLE	UNIT: mm	SCALE: 1:1	PROJ:
	10~30	±0.25				
	5~10	±0.20	±2'	DRAWING NO.		SHEET 1 OF 1
	~ 5	±0.15				

—	A	—	NEW	—	—	—
ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.