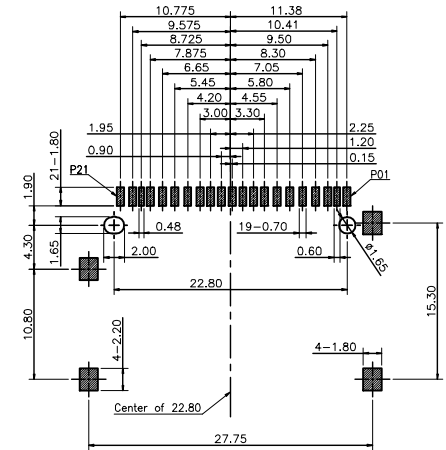
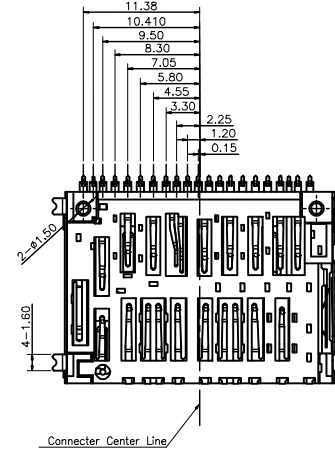
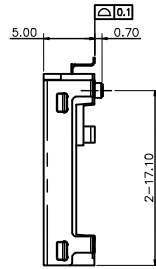
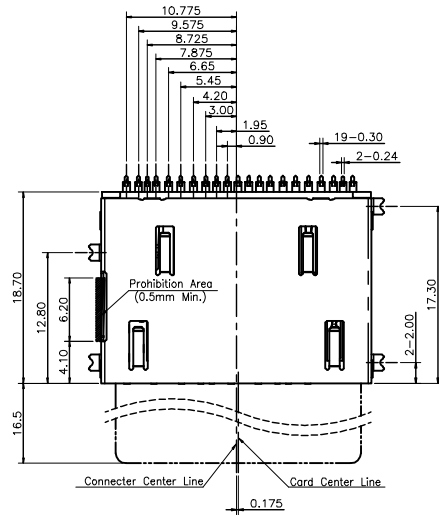
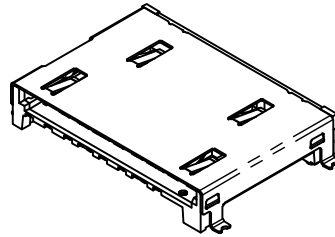
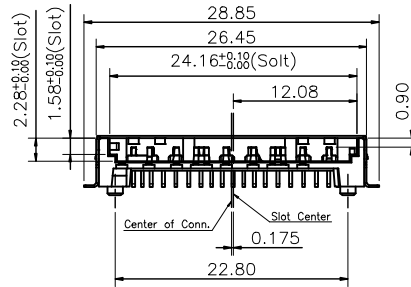


REACH & RoHS
COMPLIANT

* 所有原料材质, 生产制程, 电镀必须符合HF要求



Recommended PCB Layout
Top View (Tolerance 0.05)



Pin Assignment Table

Pin No.	SD Mode		UHS-II Mode		SD Express Mode	
	Name	Description	Name	Description	Name	Description
P01			VSS3	Supply Voltage Ground	VSS3	Supply Voltage Ground
P02				Reserved		Reserved area for future post extension
P03	DAT2	Data Line [Bit 2]			CLKREQ#	Reference clock request signal. Not used by UHS-II and SD Express.
P04			D0+	Differential Data 0+	PCie TX+	
P05	CD/DAT0	Card Detect / Data Line [Bit 3]			PERST#	PE-Reset is a functional reset
P06			D0-	Differential Data 0-	PCie 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-	PCie RX-	
P14	CLK	Clock				
P15			D1+	Differential Data 1+	PCie 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+	PCie Ref Clock
P19					VDD3	Supply Voltage (1.2V)-TBD
P20	DAT1	Data Line [Bit 1]	RCLK-		REFCLK-	PCie Ref Clock
P21	WP	Write Protect	WP	Write Protect	WP	Write Protect

Card Uninsertion	P08 Open	P09 Open	P21 Open	P09
Card Write Protect insertion	P08 Short	P09 Open	P21 Open	P09
Card Normal insertion	P08 Short	P09 Short	P21 Short	P09

Note:

1. Material:

1-1. Plastic: LCP, Black, UL94V-0

1-2. Contact: Coper Alloy

1-3. Shell: Stainless Steel

2. Plating:

2-1. Contact:

Contact Area: Au 1μ" min. Plating
Over Ni 50μ" min.

Soldertail: Matte Tin 100μ" min. Plating
Over Ni 50μ" min.

2-2. Shell:

Solderability Ni 50μ" min. Over All

3. Contact And Tail Coplanarity To Be 0.10mm max.

VOOHU 苏州沃虎电子科技有限公司
Su Zhou Voohu Electronic Tech.Co.Ltd

TITLE:
SD7.0 TOP H5.0 Non-push

PART NO.:
WHSD500-T1250-01

REMARK:

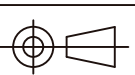
SIZE
A4

SACLE
1:1

SHEET
1/1

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30
.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°
.xx°±1.5°
.xxx°±1.0°

APPROVED BY:
Geoffrey.Song

CHECKED BY:
Elvis.Song

DESIGND BY:
Sunny.Xu

TEL: +86 400 1048 018

WEB: WWW.WOHU-TEK.COM