



RECOMMENDED P.C.B LAYOUT
TOLERANCE IS: ±0.05

PAD AREA
 KEEP OUT AREA
 NO COPPER AREA
 (NO TRACE & VIA GND)
 GND PATTERN ONLY

PIN DESIGN		
13	GND	Ground
12	PETp0	PCIe Gen3 Tx singal
11	PETn0	PCIe Gen3 Tx singal
10	GND	Ground
9	PERp0	PCIe Gen3 Rx singal
8	PERn0	PCIe Gen3 Rx singal
7	GND	Ground
6	REFCLK+	Reference Clock input
5	REFCLK-	Reference Clock input
4	INS#	Media detection and power control
3	CLKREQ#	Indication of REFCLK to Host
2	+3.3V	3.3V Power Supply
1	PERST#	PCIe Express function reset

SPECIFICATION

1.Material:

Housing: LCP S475, Rated UL94V-0,Color:Black.
 Contacts: C7025 TM03
 Matte Tin 80u"MIN. at Solder Tail,
 Plating 15U" on Contact Area.Over Nickle 50u"MIN.
 Shell: SUS304 1/2H.
 Goldflash at Solder Tail,Over Nickel 30u"MIN.Plated.
 LOCK PIN: SUS304 3/4H. Not Plating.
 SPRING: SWP-B. Not Plating.
 CAM ROD: SUS304H. Not Plating.

2.Electrical Characteristics:

Rated voltage : 500Vrms AC for 1 min.
 Current rating : 1.0 A.Min.per pin.
 Operating Temperature: -25°C~+85°C.
 Insulation resistance: 1000M ohms Min. at 500VDC for 1ms.
 Dielectric withstanding voltage:500 VAC/1minute.
 Contact resistance: Initial:55m ohms max. Final: Δ40m ohms max.
 Insertion Force: 25N Max.
 Removal Force: 0.5N Min. 20N Max.
 Inverse Insertion: 50N Min.
 Mating cycle: 10000 cycles, Spring is not breaking.



深圳市华宇创精密电子有限公司

TOLERANCE: XX ±0.30 X.XX ±0.25 X.XXX ±0.15 X* ±2° X.X* ±0.5°	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: CF Express Type A PUSH-CONN.
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HVCW29-CF13-375B
UNIT: mm [inch] SCALE:1:1	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HVC-2304241121
SIZE: A4			SHEET NO. 1 OF 1

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