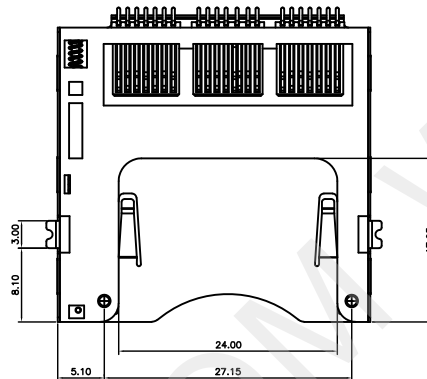
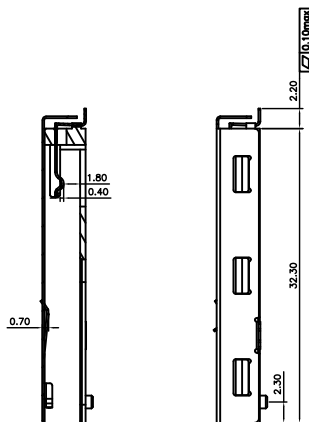


RECOMMENDED PCB LAYOUT(XX±0.05)
CONNECTOR SIDE(TOP VIEW) FRONT EDGE OF PCB



Pin Assignment:

Pin No.	Signal	I/O	Media	Host		Notes
				PCle	USB	
21	GND		R	R	R	
20	PETp0	I	R	R	NC	
19	PETn0	I	R	R	NC	
18	GND		R	R	R	
17	PERp0	O	R	R	NC	
16	PERn0	O	R	R	NC	
15	GND		R	R	R	
14	REFCLK+	I	R	R	NC	
13	REFCLK-	I	R	R	NC	
12	INS#	O	R	R	Opt	
11	CLKREQ#	O	R	Opt	NC	
10	+3.3V		R	R	R	
9	PERST#/USBD-	IO	R	R	R	
8	USBD+	IO	R	NC	R	
7	USBD-	I	R	NC	R	
6	PETp1/SSTX+	I	Opt/R	Opt/NC	NC/Opt	
5	PETn1/SSTX-	I	Opt/R	Opt/NC	NC/Opt	
4	GND		R	Opt	Opt	
3	PERp1/SSRX+	O	Opt/R	Opt/NC	NC/Opt	
2	PERn1/SSRX-	O	Opt/R	Opt/NC	NC/Opt	
1	GND		R	R	R	

NOTE:
The I/O column indicates the signal direction viewed from the media. "I" indicates the signal inputs to the media and "O" indicates the signal output from the media. In the Connection column, "R" indicates the signal is required, "Opt" indicates the signal is optional, and "NC" indicates the signal shall not be connected.

SPECIFICATION

1.Material:

Housing: LCP S475, Rated UL94V-0,Color:Black.
Contacts: C7025 TM03,T=0.20
Matte Tin 80u"MIN. at Solder Tail,
Plating 15U" on Contact Area.Over Nickle 50u"MIN.
Top Shell: SUS304 3/4H,T=0.15
Goldflash at Solder Tail, Over Nickel 30u"MIN.Plated.
Bottom Shell: SUS304 1/2H,T=0.15
Goldflash at Solder Tail, Over Nickel 30u"MIN.Plated.
Lock Pin: SUS304 3/4H,T=0.20,Not Plating.
Spring: SWP-B,Not Plating.
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: Δ 40m ohms max.
Insertion Force: 25N Max.
Removal Force: 0.5N Min. 20N Max.
Inverse Insertion: 50N Min.
Mating cycle: 3000 cycles, Spring is not breaking.



深圳市华宇创精密电子有限公司

TOLERANCE: X.X ±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 B PUSH CONN.
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HVC40-CF21-475 MOLD NO.
UNIT: mm [inch] SCALE:1:1 SIZE: A4	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HVC-2603111556 SHEET NO. 1 OF 1