

REV.	ECN.NO.	DATE
A	RELEASED	12/13-'10
C	Modify Notes	05/06-'11
D	Modify Product Name Housing Material and the shape of the key	01/12/12

NOTES:

*Material

Housing: Nylon66+30%G.F, UL 94V-2 Rated;

Color: Black or Blue

Contact: Brass

Plating: Au plating on contact area;

Ni(50u" Min.) underplating overall.

*Mechanical

Insertion Force: 35N Max.

Withdrawal Force: 15N Min.

Durability: 25 cycles

*Electrical Specification

Current Rating: 0.5A/Pin min Except That VBUS Pin is 1.5A.

Contact Resistance: 30mΩ max.Change of All Pins: 20mΩ

Insulation Resistance: 100MΩ min.

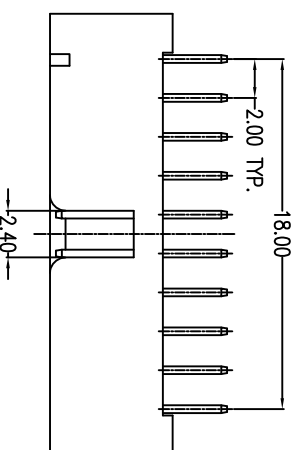
Dielectric Withstanding Voltage: 500V AC For 1 minute.

*Environmental

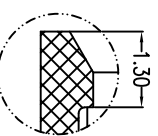
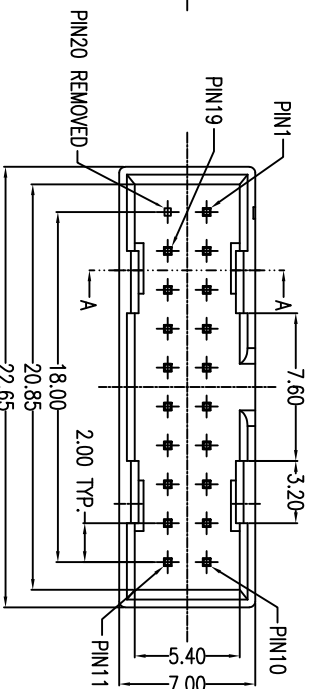
Operating Temperature: -55°C to +105°C.

*How to Order

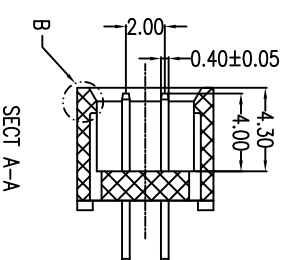
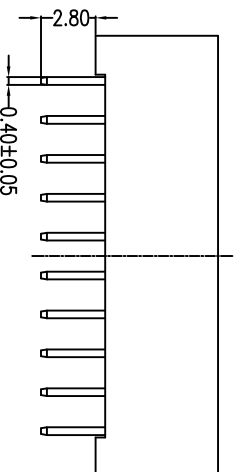
HUSB-019-VFD-00
└─1:Black; 0:Blue 300C
└─Au: F:>0.8u" ; 5:15u" ; 3:30u"
└─Number Of Contact
└─Series No.



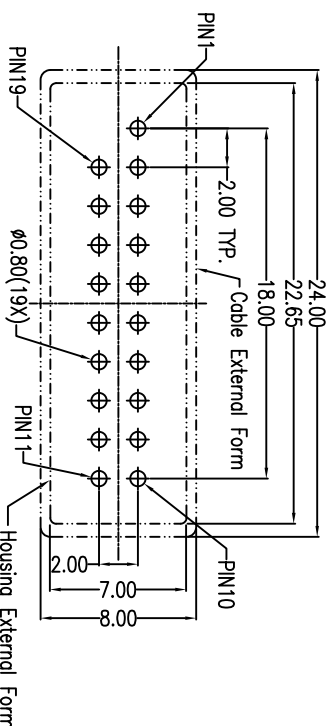
PIN NO.	SIGNAL	DESCRIPTION
1	Vbus	Power
2	IntA_P1_SSRX-	USB 3 ICC Port1 SuperSpeed Rx-
3	IntA_P1_SSRX+	USB 3 ICC Port1 SuperSpeed Rx+
4	GND	GND
5	IntA_P1_SSTX-	USB 3 ICC Port1 SuperSpeed Tx-
6	IntA_P1_SSTX+	USB 3 ICC Port1 SuperSpeed Tx+
7	GND	GND
8	IntA_P1_D-	USB 3 ICC Port1 D-(USB2 Signal D-)
9	IntA_P1_D+	USB 3 ICC Port1 D+(USB2 Signal D+)
10	ID	Over Current Protection
11	IntA_P2_D+	USB 3 ICC Port2 D+(USB2 Signal D+)
12	IntA_P2_D-	USB 3 ICC Port2 D-(USB2 Signal D-)
13	GND	GND
14	IntA_P2_SSTX+	USB 3 ICC Port2 SuperSpeed Tx+
15	IntA_P2_SSTX-	USB 3 ICC Port2 SuperSpeed Tx-
16	GND	GND
17	IntA_P2_SSRX+	USB 3 ICC Port2 SuperSpeed Rx+
18	IntA_P2_SSRX-	USB 3 ICC Port2 SuperSpeed Rx-
19	Vbus	Power



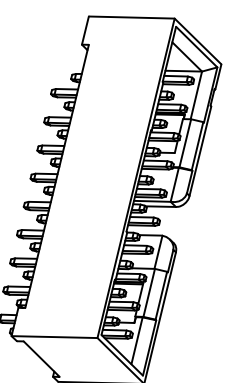
DETAIL B
SCALE 3:1



SECT A-A



PCB LAYOUT(COMPONENT SIDE)
T=1.60mm All Tolerance IS ±0.05



REV Nylon66-Nylon66;Modify Part No & Name&The Shape of The Key.

Units mm Scale

Tolerance Unless
Otherwise Specified

.X ±0.38

.XX ±0.25

.XXX ±0.20

Angle ± 3°



TEL: 886-3-5511660 FAX: 886-3-5511605

Date 01/12/12

Reviewed By Sandy

Approval By Jason

Date 01/13/12

Sheet 1 of 1

Third Angle Projection

Internal USB 3.0 DIP Receptacle

Vertical Type(No Mark)

HUSB-019-VFD-00

REV D

D

D

D

D