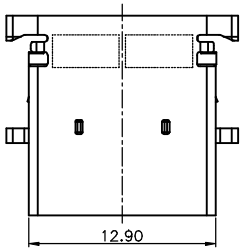
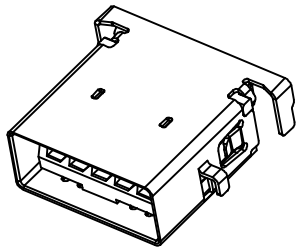
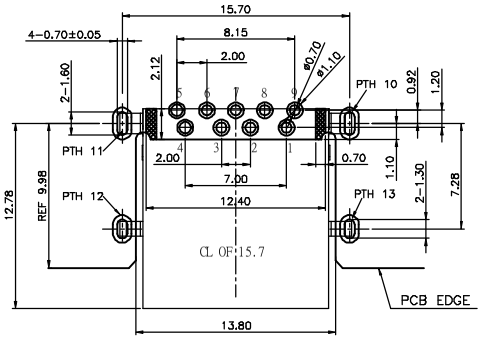
CATEGORY	DESCRIPTION	P/N #
CONNECTOR	SLIM USB 3.0 AF RVS DIP TYPE	UB9NF-XXX11-YRDV02

REV.	ECN NO	DESCRIPTION	REVISED	DATE
A01	———	New Release	KELLY	2014.04.07







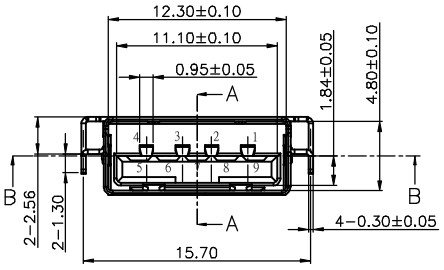
TOLERANCE: ±0.05, THICKNESS: 1.0~1.2mm
RECOMMENDED PCB LAYOUT
(TOP VIEW)
KEEP OUT AREA

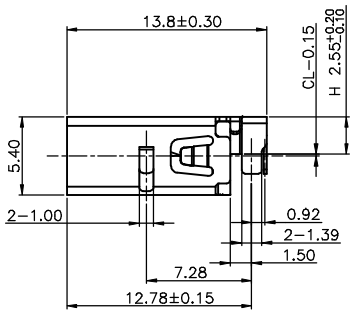
NOTE:
1.MATERIAL:
- 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC UL 94 V-0;
- 1.2 CONTACT:COPPER ALLOY(T=0.2mm)
- 1.3 SHELL:SUS201(T=0.30mm)

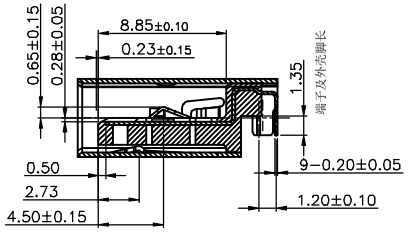
2.ELECTRICAL CHARACTERISTICS;
- 2.1 CONTACTRESISTANCE:30m MAX.
- 2.2 CONTACT CURRENT RATING:1.5A
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE:500 V R.M.S.
- 2.4 INSULATION RESISTANCE 100 MEGOHMS M
- 2.5 OPERATING TEMPEROTURE:-55°C~85°C
- 2.6 RATE VOLTAGE: 30V DC

3 MECHANICAL CHARACTERISTICS:
- 3.1 MATING FORCE: 10 N Min INITIAL; 8 N Min AFTER TEST
- 3.2 UNMATED FORCE:35 N Max
- 3.3 DURABILITY:5,000 CYCLES

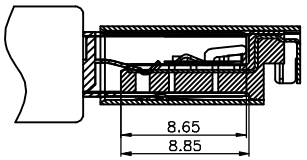
4.PLATING
- 4.1 TERMINAL CONTACT:GOLD PLATING ALL OVER 50u" MIN NICKEL AND 80u"MIN Matte Tin NICKEL IN SOLDER AREA (SEE TAB)
- 4.2 SHELL:50u"MIN. NICKEL ALL OVER



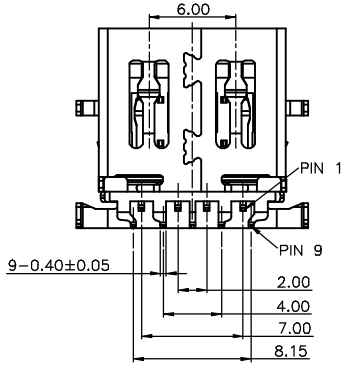




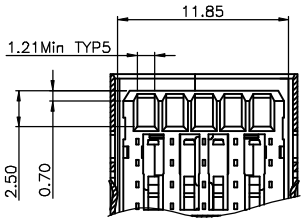
SECTION A-A



CONNECTOR MATEING



(BOTTOM VIEW)



SECTION B-B

UB9NF-XXX11-YRDV02

Table 1

X	屏蔽壳材质
B	BRASS
G	SUS
s	Steel

Table 2

X	塑胶颜色区分
B	BLACK
G	GREEN
U	BLUE

Table 3
Material & Plating

X	Terminal Plating
0	Au 1u" Plating
1	Au 3u" Plating
2	Au 6u" Plating
3	Au 15u" Plating
4	Au 30u" Plating

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
6	StdA_SSRX+		
7	GND_DRAIN	GROUND FOR SIGNAL RETURN	
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR	
9	StdA_SSTX+		
Shell	Shield	CONNECTOR METAL SHELL	FRIST

東莞市合陵電子有限公司
DongGuan HeLing Electronic Co.,LTD

SCALE:1/1	UNIT: mm		DWG.NO:
SIZE: A3	PAGE:1 OF 1	REV:A01	

TOLERANCES UNLESS		APPROVED BY	CHECKED BY	PREPARED BY
.X: ±0.38 .XX: ±0.25 .XXX: ±0.20	X°: ±3° .X°: ±3° .XX°: ±3°	TNOY	BILL	KELLY

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