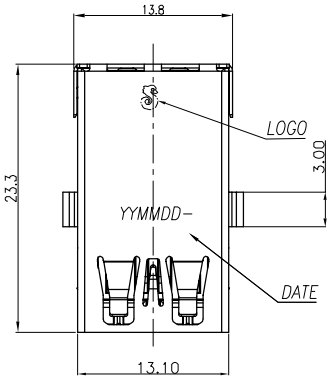
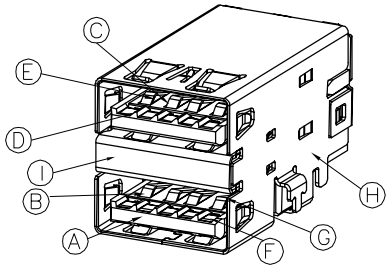
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: T131224-3B	ERIC-WU	2014.02.26
B	ECN NO: S170439-C	peng	2017
C	ECN NO: S180143-C	Chensong	2018.03.21

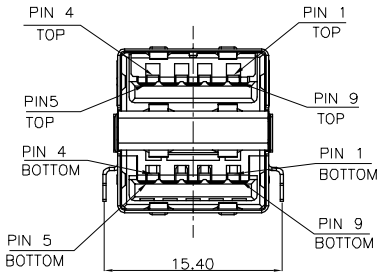
SPECIFICATIONS:

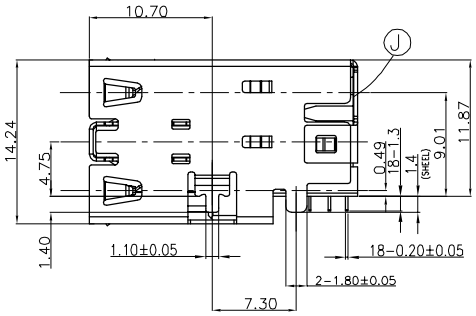
1. ELECTRICAL CHARACTERISTICS:
   - 1-1. CURRENT RATING: 1.8A (PIN1,4) ; OTHER CONTACTS 0.25A
   - 1-2. CONTACT RESISTANCE: 40mΩ MAX.FOR VBUS AND PGND(B1 PIN&B4 PIN) 50mΩ MAX.(FOR OTTHER PIN)
   - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100V AC FOR 1 MINUTE
   - 1-4. INSULATION RESISTANCE: 100MΩMIN
   - 1-5. SHELL-1 SHOULD CONTACT WITH SHELL-2
   - 2-1. INSERTION FORCE : 3.5 Kgf MAX
2. MECHANICAL CHARACTERISTICS:
   - INITIAL : 1.0 Kgf MIN, 3.5 Kgf MAX
   - TEST AFTER : 0.8 Kgf MIN, 3.5 Kgf MAX
3. DURABILITY: 5,000 MATING CYCLES.
4. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
5. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON JACK:
6. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
7. FOR WAVE SOLDERING LEAD-FREE PROCESS.
8. DATE : YYMMDD
9. PACKAGING : TAPE & REEL.

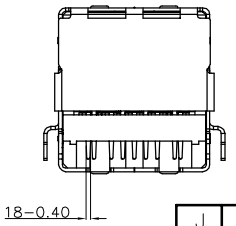


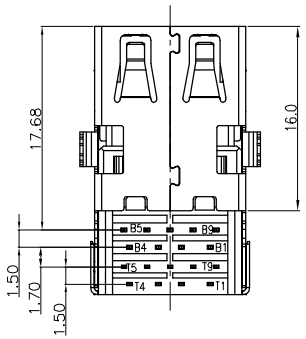


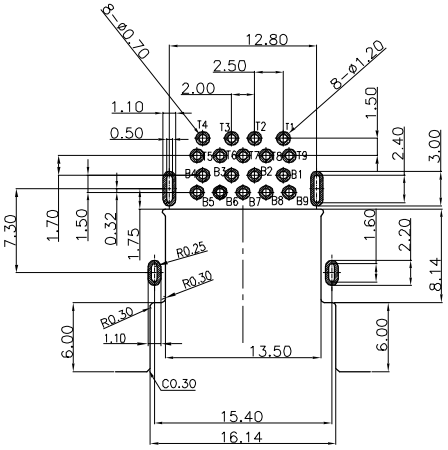
3D VIEW











RECOMMENDED PC. BOARD LAYOUT

PCB THICKNESS=1.60mm

(TOP VIEW)(TOL.±0.05)

Pin Number	Signal ASSIGNMENT
PIN 1	VBUS
PIN 2	D-
PIN 3	D+
PIN 4	GND
PIN 5	StdA_SSRX-
PIN 6	StdA_SSRX+
PIN 7	GND_DRAIN
PIN 8	StdA_SSTX-
PIN 9	StdA_SSTX+

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
J	MYLAR	1	KAPTON	9.7mm*5mm*0.3mm
I	SHELL-2	1	STAINLESS STEEL	
H	SHELL-1	1	STAINLESS STEEL	NICKEL 60uin MIN
G	BOTTOM TERMINAL(4PIN)	4	COPPER ALLOY	30uin AU MIN PLATING ON CANTACT AREA MATT TIN 100uin MIN ON SOLDER TAIL AREA OVERALL 50uin NICKEL UNDER PLATING
F	BOTTOM TERMINAL 5PIN	5	COPPER ALLOY	
E	TOP TERMINAL 4PIN	4	COPPER ALLOY	
D	TOP TERMINAL 5PIN	5	COPPER ALLOY	
C	BASE-2	1	PA-10T+30%GF UL94V-0(無鹵)	BLACK
B	BASE-1	1	PA-10T+30%GF UL94V-0(無鹵)	
A	HOUSING	1	PA-10T+30%GF UL94V-0(無鹵)	

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: ANGLES:

X :±0.50 X :±2°

X.X :±0.30 X.X :±1°

X.XX :±0.20

Singatron Enterprise Co., Ltd.
信音企業股份有限公司

TITLE	USB 3.0 CONNECTOR			
DWN	Chensong	PART NO.2UB3902-006101F		
CHKD	James	SCALE 1:1	UNIT: mm	
APVD	Boye	SIZE: A3	SHEET:1 OF 1	REV:C

CUSTOMER COPY

文件編號RD-06-043-A