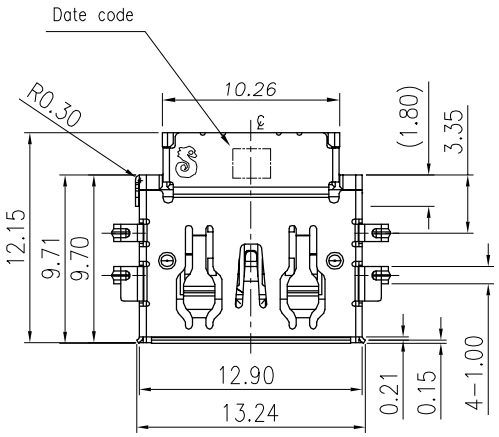
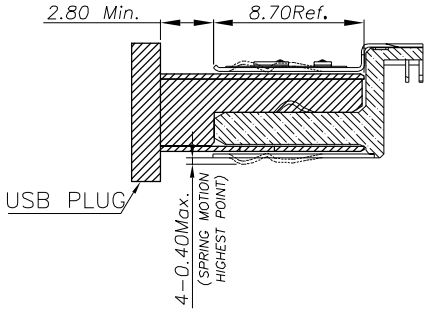
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO. T190816-5A	Mystic	2020.05.13
B	ECN NO: S202107-R26	chenlong	2021.08.17
C	ECN NO: S202108-R19	chenlong	2021.08.25

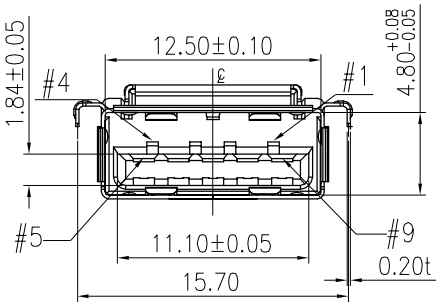


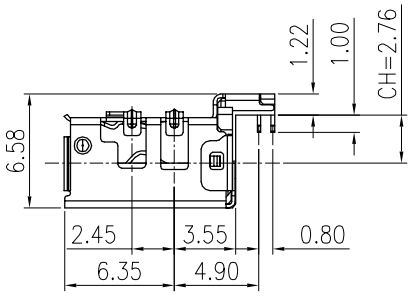


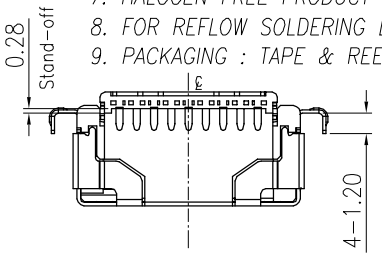
Mating plug

SPECIFICATIONS:

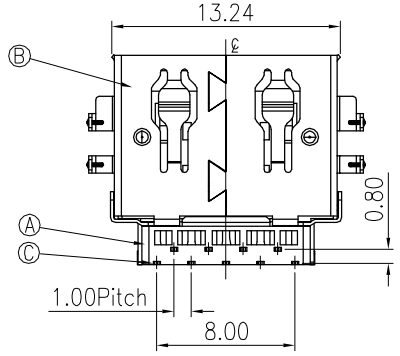
1. ELECTRICAL CHARACTERISTICS:
   - 1-1. CURRENT RATING: 2.0A (PIN1,4) ; OTHER CONTACTS 0.25A
   - 1-2. CONTACT RESISTANCE: 30mΩ Max.
   - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR 1 MINUTE
   - 1-4. INSULATION RESISTANCE: 100MΩ Min.
2. MECHANICAL CHARACTERISTICS:
   - 2-1. INSERTION FORCE : 2.5kgf Max. INITIAL.
   - 2-2. WITHDRAWAL FORCE : 0.7~2.5kgf
3. DURABILITY: 5,000 CYCLES,
4. OTHER SPEC TO REFER USB 3.1 SPEC.
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION MARK : ◎
7. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
9. PACKAGING : TAPE & REEL.

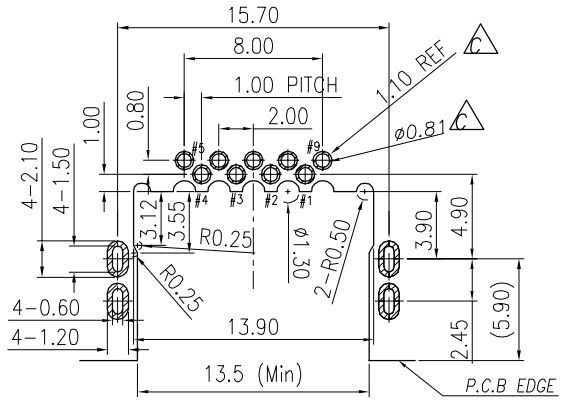






Pin Number	Signal ASSIGNMENT
PIN 1	VBUS
PIN 2	D-
PIN 3	D+
PIN 4	GND
PIN 5	StdA_SSRX-
PIN 6	StdA_SSRX+
PIN 7	GND_DRAIN
PIN 8	StdA_SSTX-
PIN 9	StdA_SSTX+





Recommended P.C.B Layout (THK:1.0mm)

Top View (Tol:±0.05)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
C	9Pin TERMINAL	9	COPPER ALLOY	G/F plating on contact area~80uin Matte Tin plating on solder tail area,and 60uin Min Nickel under plating
B	SHELL	1	SUS304 1/2H	60uin Min. solderable Nickel plating
A	HOUSING	1	HIGH-THERMAL PLASTIC UL94-V0	BLACK

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS: X :±0.5, X.X :±0.3, X.XX :±0.2

ANGLES: X :±2°, X.X :±1°

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

TITLE	USB 3.0 REVERSE CONNECTOR			
DWN	chenlong	PART NO.2UB3M04-016201F		
CHKD	Boye	SCALE 1:1	UNIT: mm	
APVD	Liao	SIZE: A3	SHEET:1 OF 1	REV: C

CUSTOMER COPY

文件編號 RD-06-043-A