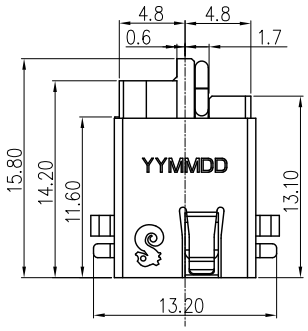
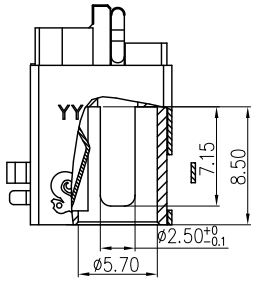
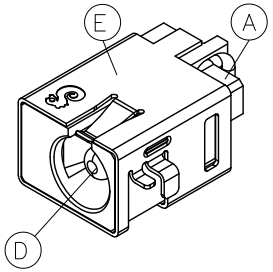
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: T130320-3A	Ron	2013.07.30
B	ECN NO: S131260	Danfeng	2014.03.28
C	ECN NO: S141147	ken	2014.12.16



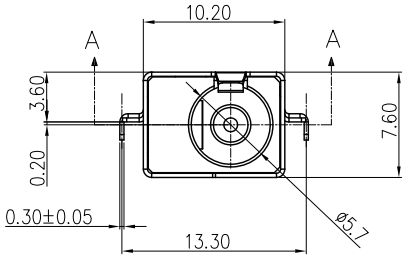


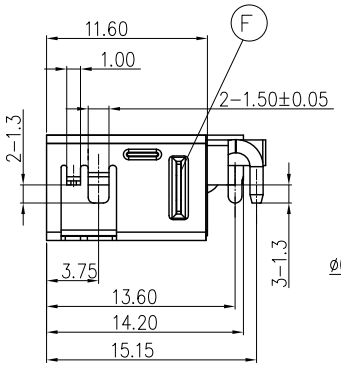
SECTION A-A

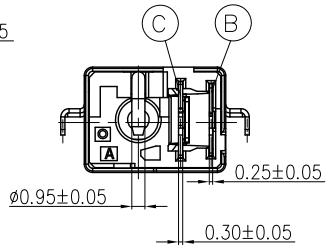


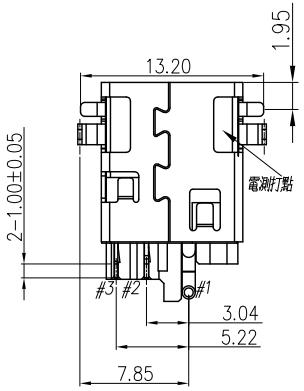
SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   1-1. RATING: DC 20V , 7A
   1-2. CONTACT RESISTANCE: 30mΩ MAX.(INITIAL)
   1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.
   1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
2. MECHANICAL CHARACTERISTICS:
   2-1. INSERTION FORCE : 3.0 KG Max.
   2-2. WITHDRAWAL FORCE : 0.35KG MIN
3. LIFE TEST: 5,000 CYCLES MIN.
4. OTHER GENERAL SPEC. TO REFER "2DC3061 SERIES SPEC".
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT:
7. HALOGEN FREE PRODUCT INDENTIFICATION LOGO ON THE PACKAGING:
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
9. PRINTED DATE CODE" YYMMDD" ON TOP OF CONNECTOR.
   - DD: DAY
   - MM: MONTH
   - YY: YEAR
10. THE PANEL'S ID MUST BE GREATER THAN THE PLUG'S OD WHICH MUST HAVE A DIFFERENCE OF LESS THAN OR EQUAL TO 0.5 mm.(AS SHOWN IN FIGURE 1.)

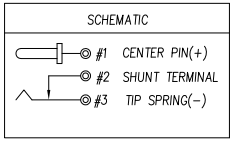


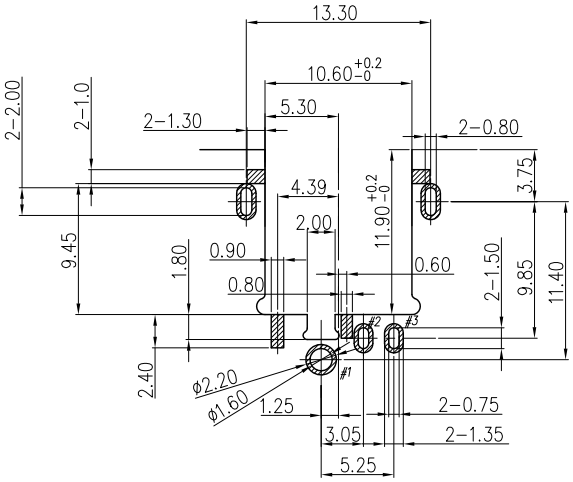




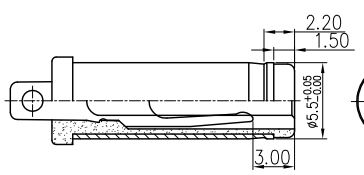


SCHEMATIC

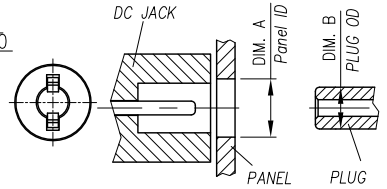




RECOMMEND P.C.B LAYOUT
(TOLERANCES: ±0.05)



MATING PLUG



DIM. A-DIM.B ≤ 0.5
FIGURE 1

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
F	TERMINAL	1	STAINLESS STEEL	N/A
E	SHELL	1	COPPER ALLOY	Ni 60u"
D	CENTER PIN	1	BRASS	GOLD FALSH OVER Ni 50u"
C	SHUNT TERMINAL	1	BRASS STRIP	GOLD FALSH ON CONTACT AREA; 120u" Sn ON SOLDER TAIL; ALL OVER Ni 50u" MIN.
B	TIP SPRING	1	COPPER ALLOY	
A	BODY	1	HIGH TEMP. THERMOPLASTIC UL94V-0	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	DC JACK			
DWN	ken	PART NO.2DC3061-045111F		
CHKD	cerry	SCALE: 4:1	UNIT: mm	
APVD	liao	SIZE: A3	SHEET: 1OF1	REV:C

CUSTOMER COPY

文件編號: RD-06-043-A