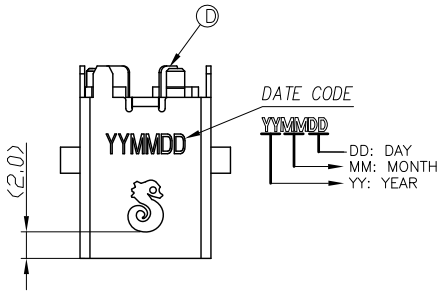
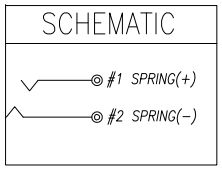
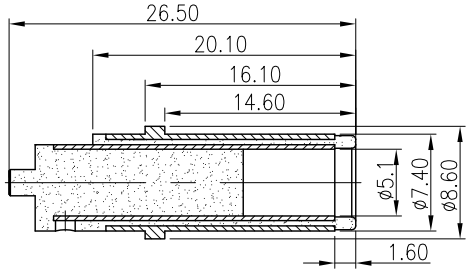
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.T111208-4A	Ron	2012.02.20





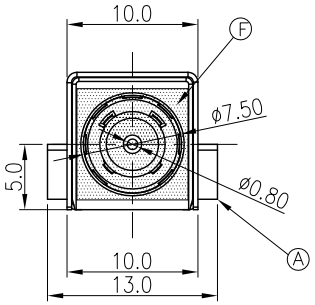


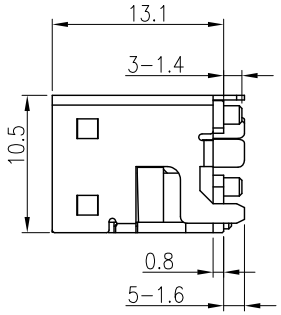
MATING PLUG: OD ø7.4 ; ID ø5.1

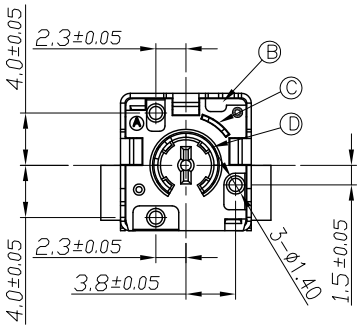
(TOLERANCE:±0.05)

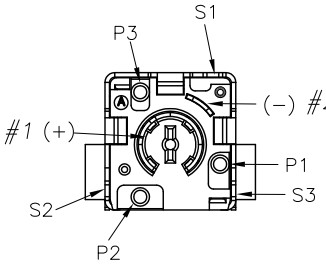
SPECIFICATIONS:

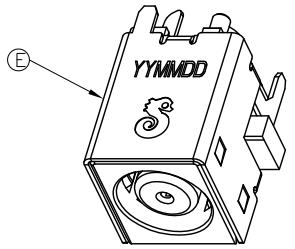
1. ELECTRICAL CHARACTERISTICS:
   1-1. RATING: 20V 13A
   1-2. CONTACT RESISTANCE: 20mΩ MAX.(INITIAL)
   1-3. DIELECTRIC WITHSTANDING VOLTAGE: 150V AC FOR ONE MINUTE.
   1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
2. MECHANICAL CHARACTERISTICS:
   2-1. INSERTION FORCE : 3.0 KGF Max.
   2-2. WITHDRAWAL FORCE : 0.35 KGF Min.
3. LIFE TEST: 5,000 CYCLES MIN.
4. OTHER GENERAL SPEC. TO REFER "2DC1003-000413 SPEC".
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
5. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT:
7. HALOGEN FREE PRODUCT INDENTIFICATION LOGO ON THE PACKAGING:
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.

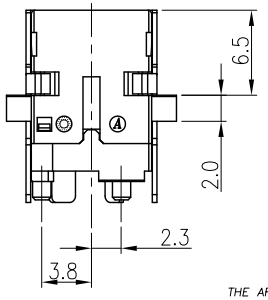


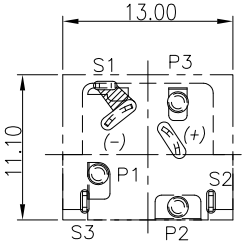


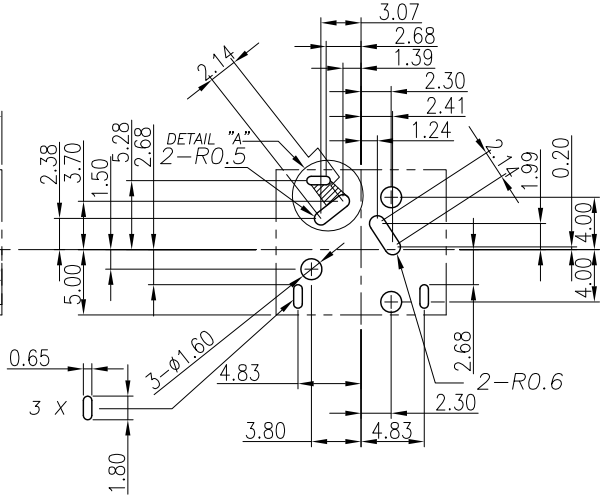












THE AREA CAN WELD(COMPREHEND SPRING(-)&SHELL)

DETAIL "A"
SCALE 3:1

RECOMMENDED PCB LAYOUT

<TOP VIEW>TOLERANCE:±0.05 A-A SIDE VIEW
(PCB THICKNESS: 1.5mm)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
F	INSULATION FILM	1	MYLAR 0.075t	TRANSPARENT
E	SHELL	1	BRASS 0.35t	NI 60u"Min
D	SPRING (+)	1	COPPER ALLOY 0.3t	GOLD FLASH ON CONTACK AREA Sn 120u"ON SOLDER TAIL ALL OVER Ni 50u" Min
C	SPRING (-)	1	COPPER ALLOY 0.3t	GOLD FLASH OVER NI 50u"Min
B	COVER	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	BLACK
A	HOUSING	1	HIGH TEMP. THERMOPLASTIC UL 94V-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 POWER JACK			
DWN	Ron	PART NO.2DC1003-000413F		
CHKD	Sky	SCALE 3:1	UNIT: mm	
APVD	Lussen	SIZE: A3	SHEET:1 OF 1	REV:A

CUSTOMER COPY

文件編號 RD-06-043-A