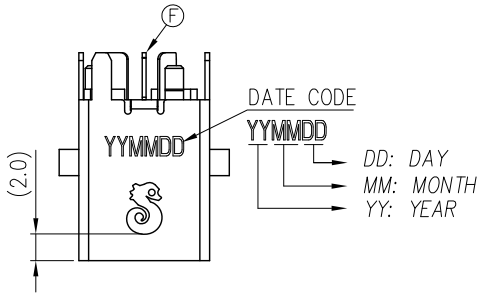
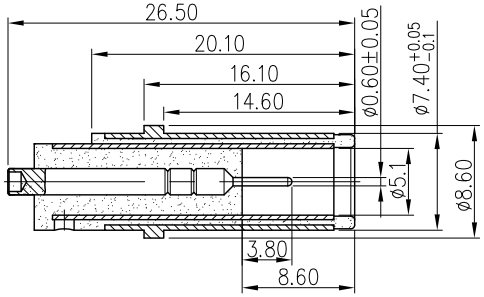
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO.T09111312A	Bobbie	2010.03.05
B	ECN NO:S100403圖面修正	Tom	2010.04.02

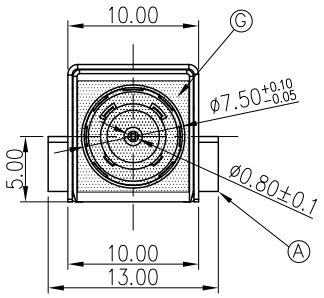


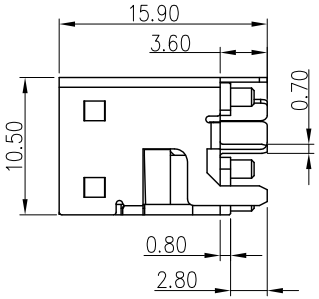
SCHEMATIC
- SPRING(+): #1
- SPRING(−): #2
- SIGNAL: #3

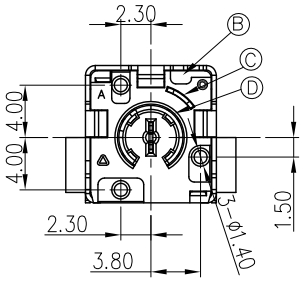


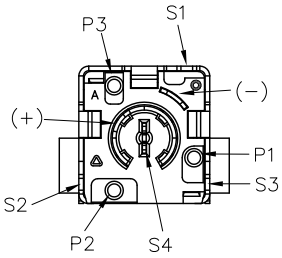
MATING PLUG: OD ø7.4 ; ID ø0.60
(TOLERANCE: ±0.05)

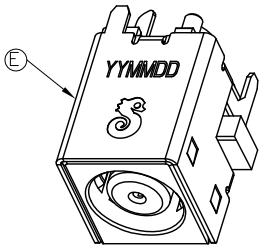
SPECIFICATIONS:
1. ELECTRICAL CHARACTERISTICS:
   1-1. RATING: 20V 13A
   1-2. CONTACT RESISTANCE: 20mΩ MAX.(INITIAL)
   1-3. DIELECTRIC WITHSTANDING VOLTAGE: 150V AC FOR ONE MINUTE.
   1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC
2. MECHANICAL CHARACTERISTICS:
   2-1. INSERTION FORCE : 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 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.

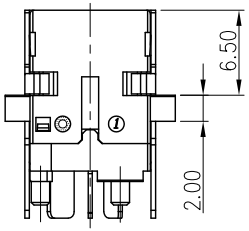


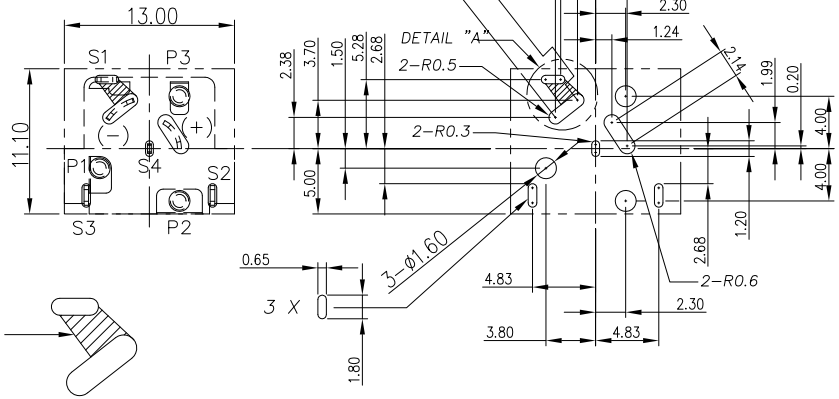




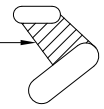








The area can weld(comprehend Spring(−)&Shell)



DETAIL :"A"

Recommended PCB Layout
<TOP VIEW>TOLERANCE: ±0.05
(PCB THICKNESS: 1.5mm)

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	INSULATION FILM	1	MYLAR 0.075t	TRANSPARENT
F	SIGNAL	1	COPPER ALLOY 0.3t	CONTACT AREA: Au:50u"
E	SHELL	1	BRASS 0.35t	NICKEL(60u"Min.) PLATING
D	SPRING (+)	1	COPPER ALLOY 0.3t	CONTACT AREA: Au:50u"
C	SPRING (−)	1	COPPER ALLOY 0.3t	CONTACT AREA: Au:50u"
B	COVER	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	BLACK COLOR
A	HOUSING	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	BLACK COLOR

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	Tom 2010.04.09	PART NO.2DC1003-000513	
CHKD	Lussen 2010.04.09	SCALE 4:1	UNIT: mm
APVD	Max 2010.04.09	SIZE: A3	SHEET:1 OF 1 REV:B

CUSTOMER COPY