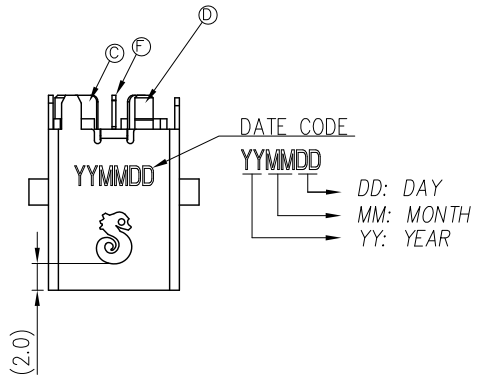
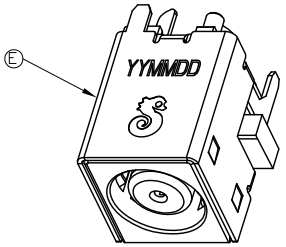
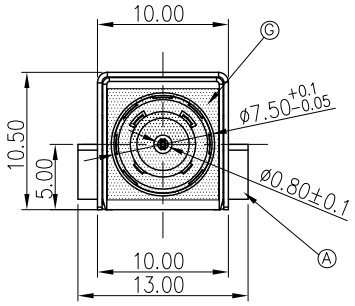
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: T100413-1A	JAMVS	2010.06.10
B	ECN NO: S140620	Ken	2014.07.24

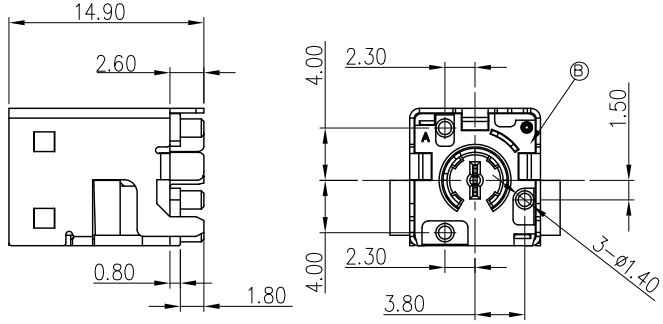


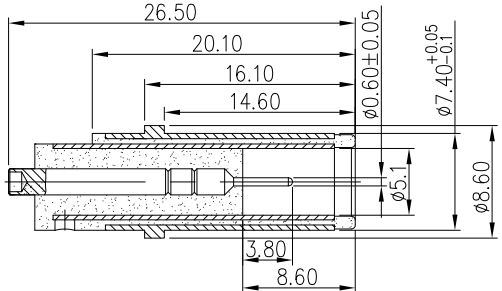


SPECIFICATIONS:

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.

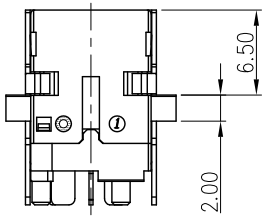


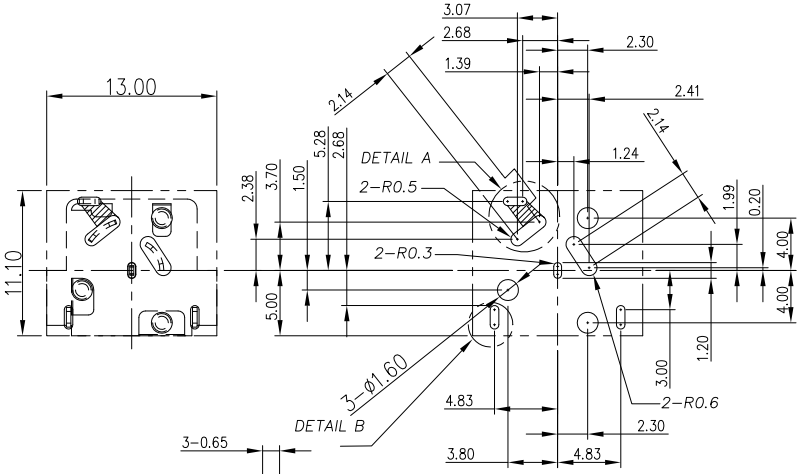


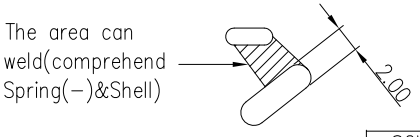


MATING PLUG: OD ø7.4 ; ID ø0.60

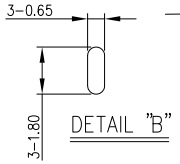
(TOLERANCE: ±0.05)





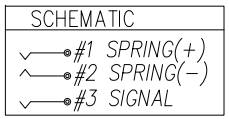


DETAIL "A"



DETAIL "B"

SCHEMATIC



Recommended PCB Layout
<TOP VIEW>TOLERANCE: ±0.05

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
G	INSULATION FILM	1	MYLAR 0.14t	BROWN
F	SIGNAL	1	C5210-SH 0.3T G1	CONTACT AREA: GOLD FLASH
E	SHELL	1	C2680-H 0.35T N3	NICKEL(60u"Min.) PLATING
D	SPRING (+)	1	C5210-EH 0.3T G1	CONTACT AREA: GOLD FLASH
C	SPRING (-)	1	C5210-EH 0.3T G1	CONTACT AREA: GOLD FLASH
B	COVER	1	LCP+30%GF E130i UL 94V-0	BLACK
A	HOUSING	1	LCP+30%GF E130i 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	Ken	PART NO.2DC1003-002313		
CHKD	Cerry	SCALE 4:1	UNIT: mm	
APVD	Max	SIZE: A3	SHEET:1 OF 1	REV:B

CUSTOMER COPY

文件編號:RD-06-043-A