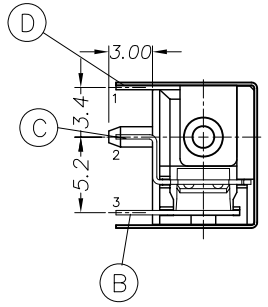
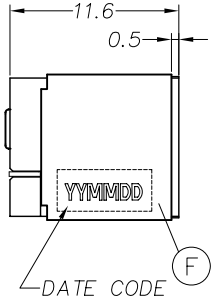
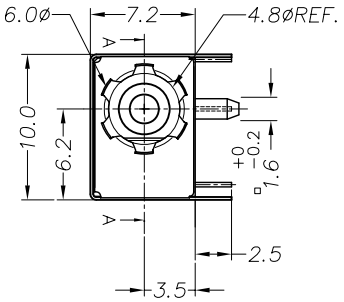
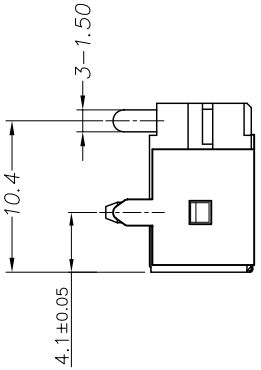
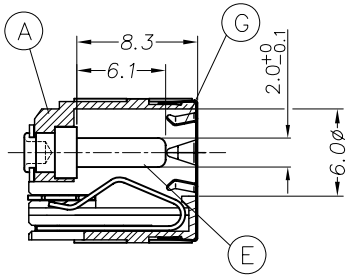
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	TANGHUI	08/06'07
B	ECN NO. S090318 △	Sanming	2009.04.30



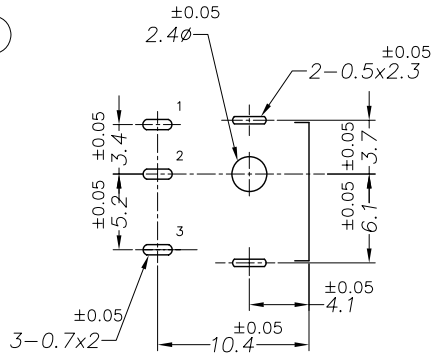








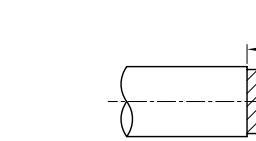
SECTION A−A

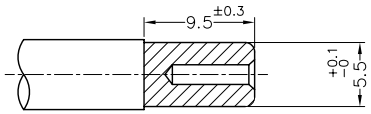


RECOMMENDED P.C.B LAYOUT
TOP VIEW

SPECIFICATIONS:
1.RATING: DC 20V 7A
2.LOAD SIDE CAPACITANCE: 4.7μF*4 MIN.
3.INSERTION FORCE: 0.4KG−3.0KG
WITHDRAWAL FORCE: 0.4KG−3.0KG
4.INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINALS SHALL NOT BE LESS THAN 100 MEGOHMS BY 500 VOLTS MEGGER.
5.JACK SHALL WITHSTAND 250 VOLTS BETWEEN ANY ADJACENT TERMINAL FOR ONE MINUTE.
6.CONTACT RESISTANCE SHALL NOT EXCEED 0.03 OHMS.
7.JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG,AND CONTACT RESISTANCE SHALL NOT EXCEED 0.1 OHMS.
8.MEASURING CONDITION:
TEMPERATURE: FROM 5°C TO 35°C.
RELATIVE HUMIDITY: FROM 40% TO 85%
9.ENVIRONMENTAL SPECIFICATIONS:
9.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE 40°C ± 2°C FOR 96 HOURS.
9.2 HEAT TEST: TEMPERATURE 70°C ± 2°C (HUMIDITY BELOW 50%) FOR 96 HOURS.
9.3 COLD TEST: TEMPERATURE −40°C ± 2°C FOR 96 HOURS.
10.SOLDERABILITY TEST: THE TERMINATION IS AT LEAST 95% COVERED BY A CONTINUOUS NEW SOLDER COATING.
TEST CONDITION: DIP IN MOLTEN SOLDER FOR 5 Sec. AT 245±5°C
(TERMINATION SHALL BE IMMERSED IN FLUX BEFORE TEST)
11.PACKAGING: TAPE & REEL.
12.SOLDERING CONDITION: WAVE SOLDERING.
13.TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
14.GREEN PRODUCT IDENTIFICATION MARK ON JACK: △
15.GREEN PRODUCT IDENTIFICATION LABEL ON PACKING: G.P. PASS
16.FOR LEAD−FREE PROCESS.

SCHEMATIC





GAUGE PLUG

NO	DESCRIPTION	QTY	MATERIAL	PLATING&COLOR
G	GROUNDING SPRING	1	STAINLESS STEEL,0.10T	UNPLATING
F	SHIELDING	1	COPPER ALLOY,0.20T	Ni60 μ"Min
E	PIN	1	BRASS BAR	Ni60 μ"Min , Cu底80 μ"Min
D	TERMINAL	1	COPPER ALLOY,0.30T	Ag20μ"Min , Ni底20 μ"Min
C	SHUNT TERMINAL	1	COPPER ALLOY,0.30T	Ag20μ"Min , Ni底20 μ"Min
B	TIP SPRING	1	YCUTM−H 0.3T	Ag 20u" Over Ni20u"
A	BODY	1	HIGH TEMP. THERMOPLASTIC,UL94V−0	COLOR 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

TITEL	DC POWER JACK		
DWN	Sanming 2009.04.30	PART NO. 2DC−G026−D01	
CHKD	Boye 2009.05.11	SCALE:N/A	UNIT: mm
APVD	Max 2009.05.11	SIZE: A3	SHEET: 1OF1 REV: B

CUSTOMER COPY

文件編號:RD−06−043−A