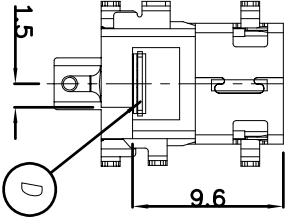
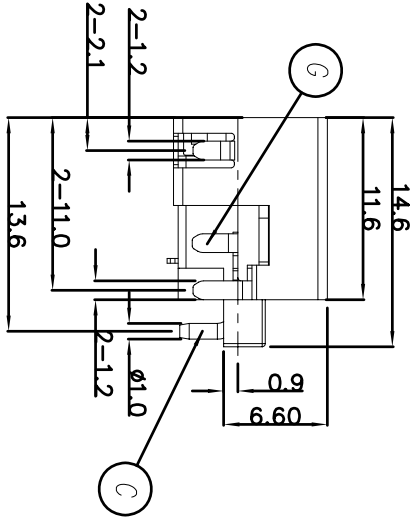
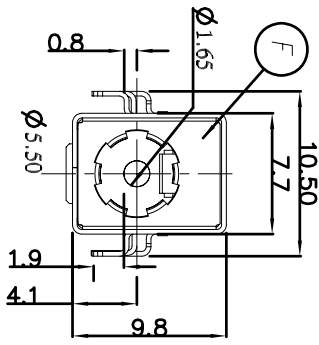
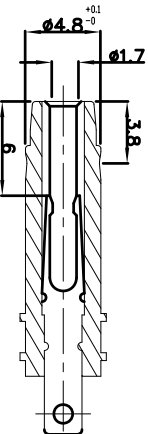
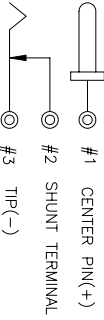


**PCB LAYOUT (TOP VIEW)**  
**DIMENSION TOLERANCE: ±0.05**



**SCHEMATIC**

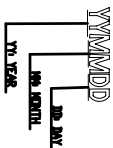


**GSW PLUG(REF)**  
**ZDP-G052-101(847-831)**

REV.	ECN NO	OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	3H	2004-12-27	
B	ECN NO:940270	HANSON	2005-11-22	
C	ECN NO:090203	LILI	2009.04.08	

**SPECIFICATIONS:**

- 1.RATING: DC 20V 5.5A
- 2.INSERTION FORCE: 0.4KG-3KG
- 3.INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINALS SHALL NOT BE LESS THAN 100 MEGOHMS BY 500 VOLTS MEGGER.
- 4.JACK SHALL WITHSTAND 250 VOLTS BETWEEN ANY ADJACENT TERMINAL FOR ONE MINUTE.
- 5.CONTACT RESISTANCE SHALL NOT EXCEED 0.03 OHMS.
- 6.JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG AND CONTACT RESISTANCE SHALL NOT EXCEED 0.1 OHMS.
- 7.MEASURING CONDITION:  
TEMPERATURE: FROM 5°C TO 35°C.  
RELATIVE HUMIDITY: FROM 40% TO 85%.
- 8.ENVIRONMENTAL SPECIFICATIONS:  
8.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE 40°C ± 2°C FOR 96 HOURS.  
8.2 HEAT TEST: TEMPERATURE 70°C ± 2°C (HUMIDITY BELOW 50%) FOR 96 HOURS.  
8.3 COLD TEST: TEMPERATURE -40°C ± 2°C FOR 96 HOURS.
- 9.PACKAGING: TAPE & REEL
- 10.PRINTED DATE CODE **YMMDD** ON TOP OF CONNECTOR.
- 11.SOLDER HEAT RESISTANCE: 260°C 10 SECS.
- 12.TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
- 13.GREEN PRODUCT IDENTIFICATION MARK ON JACK
- 14.GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING
- 15.FOR REFLOW SOLDERING LEAD-FREE PROCESS.



**GP\_PASS**

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
A	BODY	1	PA-9T 30% GF	YELLOW
B	TIP SPRING	1	C5210-EH 0.3t	GOLD FLASH OVER NI 60u" Min
C	PIN	1	BRASS BAR Ø1.65	GOLD FLASH OVER NI 60u" Min
D	TERMINAL	1	SUS 301-1/2H 0.3t	N/A
E	SHIELDING	1	C2680-EH 0.3t	5u 60u" OVER NI 60u" Min
F	GROUND	1	SUS 301-1/2H 0.15t	N/A
G	SHUNT TERMINAL	1	C2680-EH 0.3t	GOLD FLASH OVER NI 60u" Min

UNLESS OTHERWISE SPECIFIED TOLERANCES

Singatron Enterprise Co., Ltd.  
信音企業股份有限公司

DC POWER JACK

DECIMALS:	ANGLES:	TITLE
X : ±0.5	X : ±2°	DWN
X.X : ±0.3	X.X : ±1°	CHKD
X.XX : ±0.2		APVD

**CUSTOMER COPY**