

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
N	CORRECT DRAWING ERROR ECN NO.C080086	TANGHUI	2008.05.20
O	新增範圍及標示 ECN NO.C100024	ALLEN	2010.02.20
P	ECN NO:C110374 Add dim	Longjiang	2011.11.29

- SPECIFICATIONS:**
- 1.RATING: DC 16V 3A
 - 2.INSERTION FORCE: 0.5KG-2.5KG
WITHDRAWAL FORCE: 0.5KG-3.0KG
 - 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.SOLDER HEAT RESISTANCE/TIME: WAVE SOLDERING OR IR REFLOW (PEAK TEMP.: 260°C 10SECS)
 - 10.TO CONFORM TO THE SINGATRON HSF SPECIFICATION.
 - 11.GREEN PRODUCT IDENTIFICATION MARK ON JACK:
 - 12.GREEN PRODUCT IDENTIFICATION LABEL ON PACKING: **G.P. PASS**
 - 13.FOR LEAD-FREE PROCESS.
 - 14.PRINTED DATE CODE "YYMMDD" ON TOP OF CONNECTOR.

DATE CODE: YYMMDD
 DD: DAY
 MM: MONTH
 YY: YEAR

RECOMMENDED PCB LAYOUT
 (TOP VIEW)(TOL.:±0.05)

F	PIN	1	BRASS	Ni60u"MIN,Cu80u"MIN
E	TERMINAL	1	COPPER ALLOY,0.5T	Ag20u"MIN,Ni20u"MIN
D	SHUNT TERMINAL	1	COPPER ALLOY,0.5T	Ag20u"MIN,Ni20u"MIN
C	TIP SPRING	1	COPPER ALLOY,0.25T	Ag20u"MIN,Ni20u"MIN
B	COVER	1	HI-THERMAL PLASTIC W/ 30%GF,UL94V-0	BLACK COLOR
A	BODY	1	HI-THERMAL PLASTIC W/ 30%GF,UL94V-0	BLACK COLOR
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES		 Singatron Enterprise Co., Ltd. 信音企業股份有限公司		
DECIMALS: ANGLES:		TITLE DC POWER JACK		
X :±0.5	X :±2°	DWN	Longjiang 2012.01.04	PART NO. 2DC-0005X200
X.X :±0.3	X.X :±1°	CHKD	ZJZ 2012.01.04	SCALE 3:1 UNIT: mm 
X.XX :±0.2		APVD	LMD 2012.01.04	SIZE: A3 SHEET: 10F1 REV: P
CUSTOMER COPY				

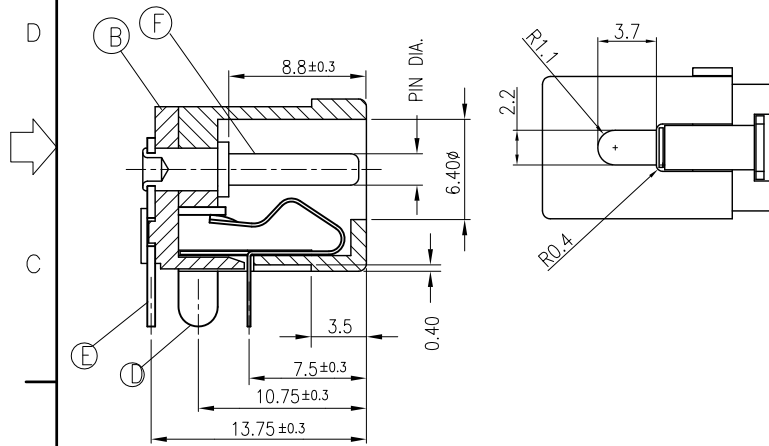
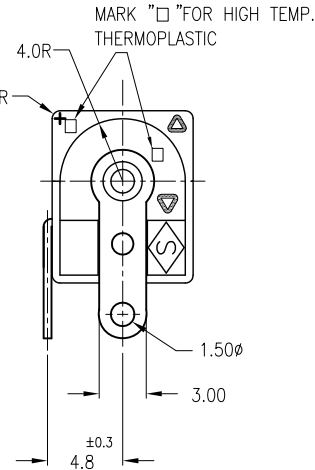
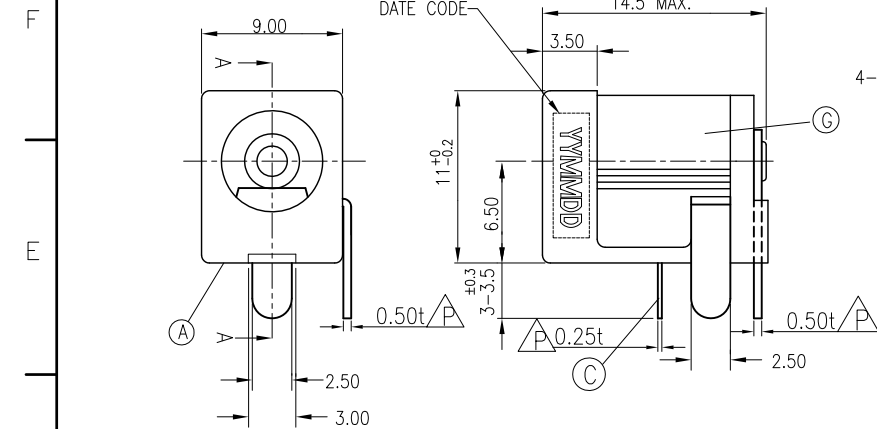
2DC-0005 200

PART NO.	PIN DIA.
B	2.50 ⁺⁰ _{-0.1}
C	2.35 ⁺⁰ _{-0.1}
D	2.00 ⁺⁰ _{-0.1}
F	1.87 ⁺⁰ _{-0.1}
G	1.45 ⁺⁰ _{-0.1}



ELECTRICAL CIRCUIT

MATE PLUG



A-A' SECTION

