



PART NO.	PIN DIA.
B	2.50 ⁺⁰ _{-0.1}
D	2.00 ⁺⁰ _{-0.1}
I	1.65 ⁺⁰ _{-0.1}
C	1.45 ⁺⁰ _{-0.1}

△ RECOMMENDED P.C.B LAYOUT
(TOP VIEW)(TOLERANCE: ±0.05)
2DC-0005X100

REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
S	ECN:C120225	UPDATE DRAWING	DAQMEN	2012.07.10
T	ECN:C120246	MODIFY 14.5 MAY TO 14.5 +0/-0.5&ADD DIMENSION 14.26	DAQMEN	2012.11.15
U	ECN:C140206	UPDATE LAYOUT	GFEN	2014.12.17

- SPECIFICATIONS:
- 1.RATING: DC 20V 4A
 - 2.INSERTION FORCE: 0.2KG-2.5KG
WITHDRAWAL FORCE: 0.2KG-3.0KG
 - 3.INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINAL 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 (INITIAL)
 - 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.BENNVIRONMENTAL 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.TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
 - 10.GREEN PRODUCT IDENTIFICATION MARK ON JACK:
 - 11.GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **GR-PASS**
 - 12.FOR WAVE SOLDERING LEAD-FREE PROCESS.
 - 13.PRINTED DATE CODE "YYMMDD" ON TOP OF CONNECTOR.



NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
A	BODY	1	THERMAL PLASTIC UL94V-0	COLOR BLACK
B	COVER	1	THERMAL PLASTIC UL94V-0	COLOR BLACK
C	TIP SPRING	1	COPPER ALLOY Q25T	Ag 200" MIN. NI 500" ~1800"
D	SHUNT TERMINAL	1	COPPER ALLOY Q25T	Ag 200" MIN. NI 500" ~1800"
E	TERMINAL	1	COPPER ALLOY Q25T	NI 600" ~1800" Cu 800" MIN.
F	PIN	1	BRASS	

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X : ±0.5 X : ±2°
X.X : ±0.3 X.X.X : ±1°
X.XX : ±0.2

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

TITLE	DC POWER JACK
DWG	14/12/17
CHKD	14/12/17
APVD	14/12/17

PART NO.	2DC-0005X100
SCALE	3:1
UNIT	mm
SIZE	A4
SHEET	1 OF 1
REV.	U

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