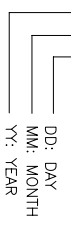


Recommended PCB Layout
<TOP VIEW>TOLERANCE:±0.05

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO: S090703-2A	BOYE	2009.08.28

- SPECIFICATIONS:
- 1.RATING: DC 20V 7A
 - 2.INSERTION FORCE: 0.4KG-3.0KG
 - 3.INSULATION RESISTANCE BETWEEN ANY ADJACENT TERMINALS SHALL NOT BE LESS THAN 100 MEGOHMS BY 500 VOLTS WEGGER.
 - 4.JACK SHALL WITHSTAND 250 VOLTS BETWEEN ANY ADJACENT TERMINAL FOR ONE MINUTE.
 - 5.CONTACT RESISTANCE SHALL NOT EXCEED 30mΩ.
 - 6.JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG AND CONTACT RESISTANCE SHALL NOT EXCEED 100mΩ.
 - 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.SOLDERABILITY TEST: THE TERMINATION IS AT LEAST 95% COVERED BY A CONTINUOUS NEW SOLDER COATING.
 - TEST CONDITION: DIP IN MOLTIEN SOLDER FOR 5 Sec. AT 245±5°C (TERMINATION SHALL BE IMMERSED IN FLUX BEFORE TEST)
 - 10.PACKAGING: TAPE& REEL
 - 11.TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC
 - 12.GREEN PRODUCT IDENTIFICATION MARK ON JACK:
 - 13.GREEN PRODUCT IDENTIFICATION LABEL ON PACKAGING: **GREEN PASS**
 - 14.PRINTED DATE CODE "YYMMDD" ON TOP OF CONNECTOR.



NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
H	GROUNDING	1	SUS 304-1/2H 0.1T	N/A
G	SHIELDING	1	C2680-H,T= 0.2mm	Ni 60u" Min.
F	PIN	1	BRASS BAR	Ni 60u" Min.
E	TERMINAL	1	C2680-H,T= 0.3mm	Ag 20u" Min.
D	SHUNT TERMINAL	1	C2680-H,T=0.3mm	Ag 20u" Min.
C	TIP SPRING B	1	C5210-SH,T= 0.25mm	Ag 20u" Min.
B	TIP SPRING A	1	YCUTM-H 0.3I	Ag 20u" Min.
A	BODY	1	HIGH TEMP. THERMOPLASTIC UL 94V-0	BLACK COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS:	ANGLES:	TITLE
X :±0.5	X :±2°	DC POWER JACK
X.X :±0.3	X.X :±1°	DRAWN BY: 2009.08.28
X.XX :±0.2		CHKD BY: 2009.08.28
		APVD BY: 2009.08.28

Singatron Enterprise Co., Ltd.
信昌企業股份有限公司

PART NO. 2DC-ST386-Q02
SCALE:4:1
UNIT: mm

SIZE: A3
SHEET: 1 OF 1
REV: A

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