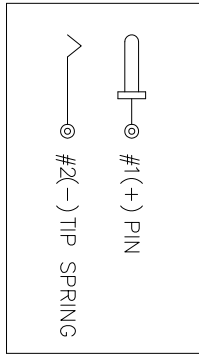


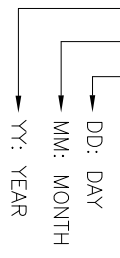
MATING PLUG  $\phi 5.50$

**SCHEMATIC**



**SPECIFICATIONS:**

1. RATING: DC 20V 7A
2. INSERTION FORCE: 2.5 Kgf Max
3. WITHDRAWAL FORCE: 1.0Kgf-2.5Kgf
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 30m $\Omega$
7. JACK SHALL WITHSTAND 5,000 CYCLES OF INSERTION AND WITHDRAWAL WITH TESTING PLUG, AND CONTACT RESISTANCE SHALL NOT EXCEED 50m $\Omega$
8. MEASURING CONDITION:
  - TEMPERATURE: FROM 5°C TO 35°C.
  - RELATIVE HUMIDITY: FROM 40% TO 85%
9. ENVIRONMENTAL SPECIFICATIONS:
  - 8.1 HUMIDITY TEST: HUMIDITY 90% TO 95% TEMPERATURE 40°C  $\pm$  2°C FOR 96 HOURS.
  - 8.2 HEAT TEST: TEMPERATURE 70°C  $\pm$  2°C (HUMIDITY BELOW 50%) FOR 96 HOURS.
  - 8.3 COLD TEST: TEMPERATURE -40°C  $\pm$  2°C FOR 96 HOURS.
10. SOLDERABILITY TEST: THE TERMINATION IS AT LEAST 95% COVERED BY A CONTINUOUS NEW SOLDER COATING.
11. TEST CONDITION: DIP IN MOLTEN SOLDER FOR 5 Sec. AT 245 $\pm$ 5°C (TERMINATION SHALL BE IMMERSED IN FLUX BEFORE TEST)
12. TO CONFORM TO SINGATRON HARADOUS SUBSTANCE FREE SPEC"
13. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT:
14. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
15. FOR HAND SOLDERING LEAD-FREE PROCESS.
16. PRINTED DATE CODE "YYMMDD" ON TOP OF CONNECTOR.



F	GROUND	1	STAINLESS 0.1t	N/A
E	SHIELDING	1	BRASS STRIP 0.2t	N: 60u Min.
D	PIN	1	HBI59-1.5B $\phi 2.5$	GOLD FLASH
C	TERMINAL	1	STAINLESS 0.3t	N/A
B	TIP SPRING	1	COPPER ALLOY 0.3t	Ag 20u Min.
A	BODY	1	THERMOPLASTIC U94V-0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:

X :  $\pm 0.5$  X :  $\pm 2^\circ$   
 X.X :  $\pm 0.3$  X.X :  $\pm 1^\circ$   
 X.XX :  $\pm 0.2$

TITLE		DC POWER JACK	
DWN	Danfeng	PART NO.	2DC-G756-B79
CHKD	Cerry	SCALE:	4:1
APVD	Max	SIZE:	A3
		SHEET:	1 OF 1
		REV:	C
CUSTOMER COPY			

Singatron Enterprise Co., Ltd.  
 信登企業股份有限公司