



**SPECIFICATIONS:**

- ELECTRICAL CHARACTERISTICS:
  - RATING: 12V 1A
  - CONTACT RESISTANCE: 50mΩ MAX (INITIAL)
  - DIELECTRIC WITHSTANDING VOLTAGE: 500V AC FOR ONE MINUTE.
  - INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC.
- MECHANICAL CHARACTERISTICS:
  - INSERTION FORCE: 1.0-2.5kgf (AFTER 5 INSERTION CYCLES); 2.5kgf MAX. (AFTER LIFE TEST); 0.4kgf MIN. (AFTER LIFE TEST);
  - WITHDRAWAL FORCE: 0.6-1.8kgf (AFTER 5 INSERTION CYCLES); 0.4kgf MIN. (AFTER LIFE TEST);
  - LIFE TEST: 3,000 CYCLES MIN. AFTER LIFE TEST, CONTACT RESISTANCE: 50mΩ MAX.
  - PACKAGING: TAPE & REEL.
  - AFTER HUMIDITY TEST, INSULATION RESISTANCE: 50MΩ MIN.
  - TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
  - HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT:
  - HALOGEN FREE PRODUCT IDENTIFICATION LOGO ON PACKAGING:
  - FOR REFLOW SOLDERING LEAD-FREE PROCESS.
  - PRINTED DATE CODE "YMD-" ON TOP OF JACK.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
H	SEPARATOR	1	HIGH TEMP.THERMOPLASTIC UL 94V-0	BLACK
G	MAKE TERMINAL	1	PHOSPHOR BRONZE 0.2t	1-3um GOLD PLATING ON CONTACT AREA, 1-3um GOLD PLATING ON SOLDER TAIL AREA, AND 50um MIN. NICKEL UNDER PLATING.
F	TRANSFER TERMINAL	1	PHOSPHOR BRONZE 0.2t	1-3um GOLD PLATING ON CONTACT AREA, 50um MIN. WHITE TIN PLATING ON SOLDER TAIL AREA, AND 50um MIN. NICKEL UNDER PLATING.
E	TIP SPRING	1	STAINLESS STEEL 0.2t	
D	RING - A	1	PHOSPHOR BRONZE 0.2t	
C	RING - B	1	PHOSPHOR BRONZE 0.2t	
B	EARTH	1	PHOSPHOR BRONZE 0.2t	1-3um GOLD PLATING ON CONTACT AREA, AND 50um MIN. SOLDERABLE NICKEL UNDER PLATING.
A	BODY	1	HIGH TEMP.THERMOPLASTIC UL 94V-0	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

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

**DECIMALS:** ANGLES: X :±0.5 X :±2 X.X :±0.3 X.X :±1' X.XX :±0.2

**TITLE**  $\phi$ 3.5 AUDIO JACK R/A TYPE  
**DWN** Carol **PART NO.** 2S13080-164111F  
**CHKD** Bruce **SCALE** 4:1 **UNIT:** mm  
**APVD** Liao **SIZE:** A3 **SHEET:** 1 OF 1 **REV:** A

**CUSTOMER COPY**

