

MATCHED MECHANISMS ID NEED TO AVOID INTERFERENCE WITH TERMINAL WHEN PLUG IN

RECOMMENDED LIMIT SUPPORT STRUCTURE

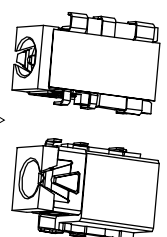
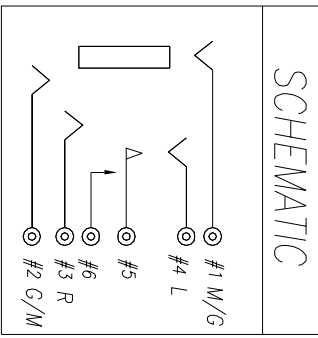
REV.	ECN NO.	OR DESCRIPTION	REVISED	DATE
A	PDR NO: T180315-1A	Julia	2019.01.30	
B	ECN NO: S202012-RO7	HANFEI	2021.02.02	
C	ECN NO: S202103-R16	Quantity	2021.05.13	

**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: INITIAL 0.3-3.0kgf; 2-2. WITHDRAMAL FORCE: INITIAL 0.3-3.0kgf;
  - LIFE TEST: 5,000 CYCLES MIN.
  - AFTER LIFE TEST, CONTACT RESISTANCE: 100mΩ 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 "MMD=" ON TOP OF CONNECTOR.

RECOMMENDED PCB LAYOUT  
TOP VIEW ; TOL.±0.05

**SCHEMATIC**



3D VIEW

RECOMMENDED PLUG  
Ø3.5 4-POLE PLUG

I	WYAR	1	KAPTON 0.08T	YELLOW
H	SEPARATOR	1	TOP E130I UL 94V-0	BLACK
G	MAKE TERMINAL	1	C5210-EH 0.2T	
F	TRANSFER TERMINAL	1	C5210-EH 0.2T	
E	TIP SPRING	1	SUS304-1/2H 0.2T	
D	RING A	1	C5210-EH 0.2T	
C	RING B	1	C5210-EH 0.2T	
B	EARTH	1	C5210-EH 0.2T	
A	BODY	1	PA10T+30%GF 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

**Ø3.5 AUDIO JACK**

DMN Qty:Y PART NO. 2S13127-027111F  
CHKD Bruce SCALE 4:1 UNIT: mm  
APVD L100 SIZE: A3 SHEET: 1 OF 1 REV: C

**CUSTOMER COPY**