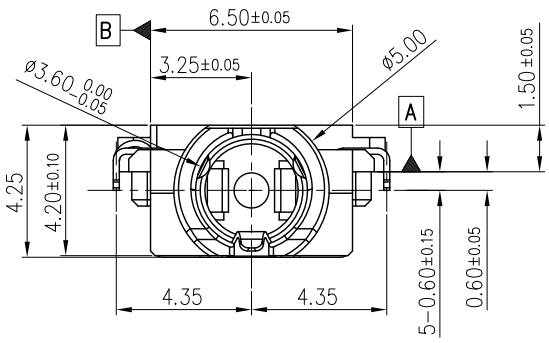
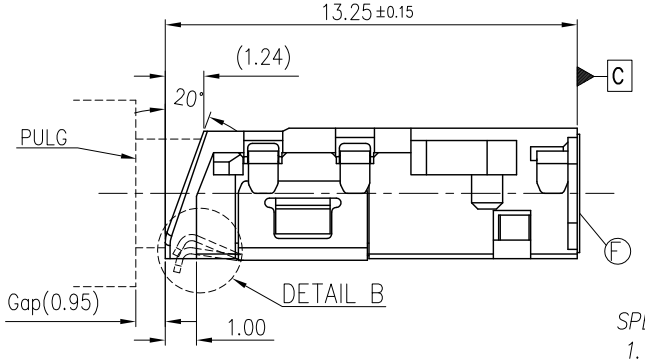
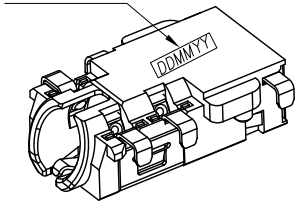
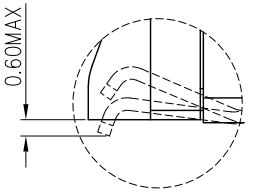
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PRODUCT RELEASE	Ares	13.03.06



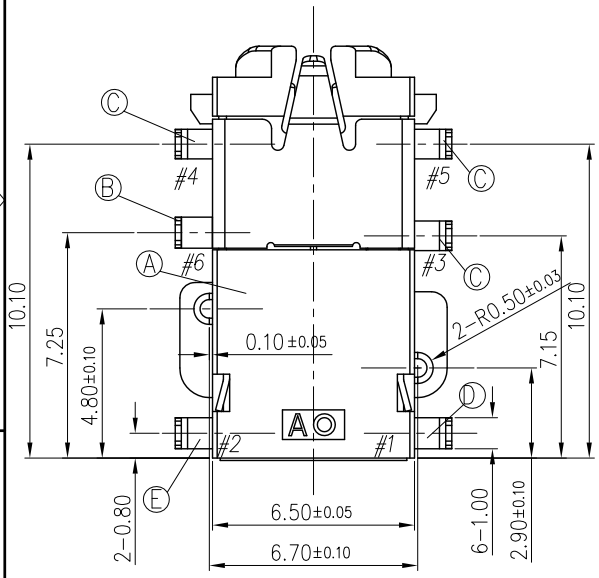


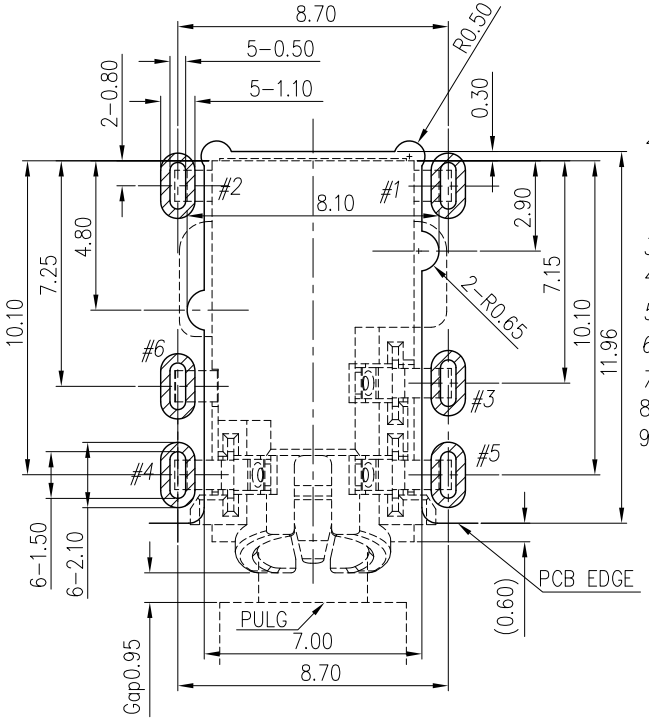


DETAIL B SCALE 2:1

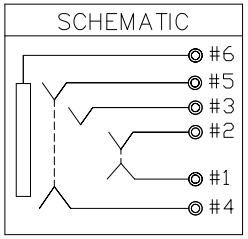


Product application:
The spring working position when Plug-In.





SCHEMATIC



RECOMMENDED PCB LAYOUT
TOP VIEW (TOLERANCE: ±0.05)

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:
   1-1. RATING: 12V, 1A .
   1-2. CONTACT RESISTANCE:
   50 mΩMax. FOR INITIAL,
   100 mΩMax. AFTER 5000 CYCLES.
   1-3. INSULATION RESISTANCE: 100 MEGAOHMS Min. BY 500V DC .
   1-4. DIELECTRIC WITHSTANDING VOLTAGE: 500V RMS AFTER 1 MINUTE.
2. MECHANICAL CHARACTERISTICS:
   2-1. TEST BEFORE INSERTION AND WITHDRAWAL FORCE : 0.4~3.0 KGF
   2-2. AFTER DURABILITY TEST INSERTION AND WITHDRAWAL FORCE : 0.3~3.0 KGF
3. LIFE TEST: 5,000 CYCLES .
4. OTHER GENERAL SPEC. TO REFER "3.5 PHONE JACK SPEC".
5. TO CONFORM TO SINGATRON HAZARDOUS SUBSTANCE FREE SPEC.
6. HALOGEN FREE PRODUCT IDENTIFICATION MARK ON PRODUCT: ◎
7. HALOGEN FREE PRODUCT IDENTIFICATION LABEL ON PACKAGING:
8. FOR REFLOW SOLDERING LEAD-FREE PROCESS.
9. PLUG INTERFACE DIMENSION CONFORM TO JEITA EIAJ RC-5325A.

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
F	MYLAR	1	MYLAR 0.075T	
E	TIP SPRING B	1	COPPER ALLOY 0.2T	GOLD FLASH ON CONTACT AREA & SOLDER TAIL, ALL OVER NICKEL PLATED
D	TIP SPRING A	1	COPPER ALLOY 0.2T	
C	RING SPRING	3	COPPER ALLOY 0.2T	
B	EARTH	1	COPPER ALLOY 0.2T	
A	BODY	1	HIGH TEMP. THERMOPLASTIC UL94-V0	BLACK

UNLESS OTHERWISE SPECIFED TOLERANCES

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

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

TITLE	3.5 PHONE JACK		
DWN	Ares 13/3/8	PART NO. 2SJ2403-000111F	
CHKD	Winkan 13/3/8	SCALE 6:1	UNIT: mm
APVD	Liao 13/3/8	SIZE: A3	SHEET 1 OF 1 REV: A

CUSTOMER COPY

?:??: RD-06-043-A