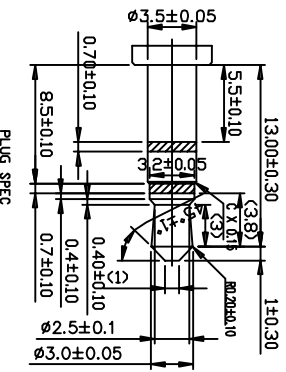
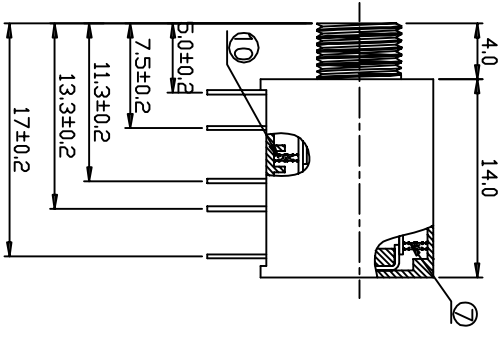
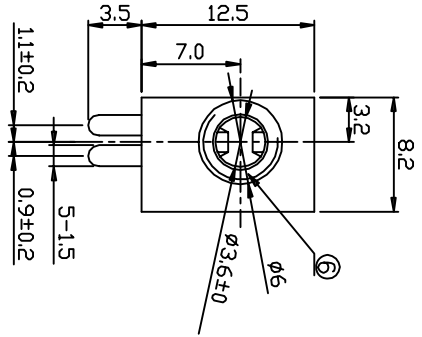
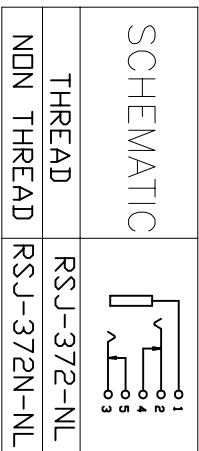


PCB LAYOUT TOP VIEW



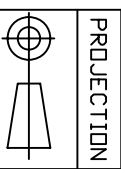
NOTE: ALL DIMS ARE IN mm

THREAD: M6.0-0.5



CIRCUIT DIAGRAM

No.	ITEM	QTY	MATERIAL (CHK. COLOR)	REMARK
⑩	SPRING	1	MUSIC WIRE	CuSn-plated
⑨	HOUSING	1	PBT(Black)	
⑧	HOUSING	1	PBT(Black)	
⑦	SPRING	1	MUSIC WIRE	CuSn-plated
⑥	FIX TURN	1	H59(Cu-Allloy)	CuSn-plated
⑤	TERMINAL	1	BRASS t=0.30	Ag-plated
④	TERMINAL	1	BRASS t=0.30	Ag-plated
③	TERMINAL	1	PHOSPHOR BRO NZE t=0.30	Ag-plated
②	TERMINAL	1	BRASS t=0.30	Ag-plated
①	TERMINAL	1	BRASS t=0.30	Ag-plated



PROJECTION	N/A	
SCALE	N/A	
TOLERANCE	EXCEPT AS NOTED	
DEC. MILLIMETERS	X ± 0.5	X ± 0.3
ANG.	X.XX ± 0.15	± 3°

TITLE	3.5mm jack PC Mount, RoHS Compliant	
DR.	DR.	DATE
AP-is	11/24/10	REF. P/N: RSJ-372-NL
MD	PRE-DRAWING NO. JK-4004	SIZE F
		REV. A



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12-115	06/26/12	A	CHANGE THE VIEW AND INSTRUCTIONS	MD	TL
ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

RIPTION TITLE : 3.5mm JACK PC MOUNT , ROHS COMPLIANT P/N : RSJ-372-NL 1. RATING : DC 50V 0.3A PRACTICAL TEMPERATURE RANGE : -16-65oC In-16 C ~ + 65 C temperature inside and use		
STANDARD ATMOSPHERIC CONDITIONS	UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) BETWEEN BODY AND CONDUCTOR: 5oC TO 35°C (2) BETWEEN CONDUCTORS NOT TO BE CONTACT : 45% TO 85% (3) PRESSURE : 86kpa TO 106kpa	
2. MECHANICAL		
ITEM	TEST CONDITIONS	PERFORMANCE
CONNECTION FORCE	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES.	3-20N
DISCONNECT ON FORCE	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES.	3-20N
TERMINAL STRENGTH	A STATIC LOAD OF 0.1N/(kgf/cm) SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1MIN IN ANY DIRECTION	THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED
3. ELECTRICAL		
ITEM	TEST CONDITIONS	PERFORMANCE
CONTACT RESISTANCE	MEASURED AT SMALL CURRENT (< 100mA OR LESS) 1000HZ	≤0.03Ω
INSULATION RESISTANCE	APPLY A VOLTAGE OF 500V DC FOR 1 MIN TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN	≥100MΩ

ITEM	TEST CONDITIONS	PERFORMANCE
3.3 DIELECTRIC STRENGTH	AC 500V (rms/50-60hz) FOR 1 MIN TRIP CURRENT: 0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC
4. USABILITY		
ITEM	TEST CONDITIONS	PERFORMANCE
4.1 SOLDER ABILITY TEST	THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF 240±5°C FOR 3±0.5 SECONDS	(1) SOLDER WETTING TIME SHALL BE 3 SEC OR LESS (2) THE AREA OF SOLDERING SHOULD BE OVER 75%
4.2 RESISTANCE TO SOLDERING HEAT TEST	SOLDERING IRON METHOD: BIT TEMPERATURE 330±5°C APPLICATION TIME OF SOLDERING IRON 3±0.5 SEC HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED
4.3 HUMIDITY TEST	THE JACK SHALL BE STORED AT A TEMPERATURE OF 40±2°C AND A HUMIDITY OF 90% TO 96% FOR 96 H, THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 H FOR OTHER PROCEDURES	THERE SHALL BE NO DAMAGE ON APPEARANCE.
4.4 HEAT TEST	THE JACK SHALL BE STORED AT A TEMPERATURE OF 70±2°C FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASUREMENT	MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED
4.5 COLD TEST	THE JACK SHALL BE STORED AT A TEMPERATURE OF -25±3°C FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH	

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ECN#	DATE	SYM	REVISION RECORD
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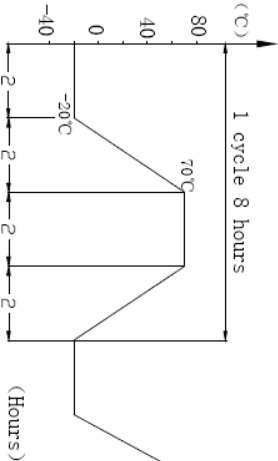
PROJECTION		
SCALE	N/A	
TOLERANCE EXCEPT AS NOTED	DR.	DATE
DEC. MILLIMETERS	AP-IS	11/24/10
X ± 0.5	PRE-	JK
X X ± 0.3	MD	
X.XX ± 0.15	JK	
ANG. ±3°		

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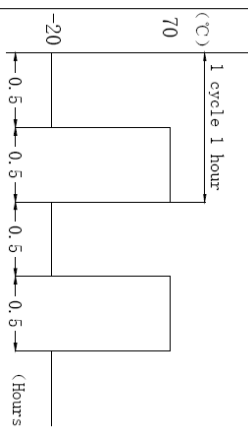
TITLE	3.5mm jack PC Mount , RoHS Compliant
REF.	P/N: RSJ-372-NL
DRAWING NO.	4004
SIZE	F
SHEET	2 OF 3
REV.	A

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ITEM	TEST CONDITIONS	PERFORMANCE
4.6 LIFE TEST	WITHOUT LOAD CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 5, 000 CYCLES AT A SPEED OF 10 TO 25 CYCLES/MIN LOAD: AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 1,000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN	(1) CONTACT RESISTANCE SHALL BE $\leq 0.1\Omega$ (2) DISCONNECTION FORCE SHALL BE 3 TO 20N (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED
4.7 TEMPERATURE CYCLING TEST	THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN IN THE FIGURE AND THEN SHALL RETURNED ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE: 3 TO 20N CONTACT RESISTANCE: MAX. 30M Ω INSULATION RESISTANCE: MIN. 100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 500V/AC/MIN (BETWEEN TERMINALS)



ITEM	TEST CONDITIONS	PERFORMANCE
4.8 COLDCOLD & HEAT SHOCK TEST	THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN IN THE FIGURE AND THEN SHALL RETURNED AND ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE: 3 TO 20N CONTACT RESISTANCE: MAX. 30M Ω INSULATION RESISTANCE: MIN. 100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 500V/AC/MIN (BETWEEN TERMINALS)



12-115	06/26/12	A	CHANGE THE VIEW AND INSTRUCTIONS
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		MD	
		TL	
		AUTH	
		BY	

SCALE: N/A TOLERANCE EXCEPT AS NOTED DEC. MILLIMETERS X.X ± 0.5 X.XX ± 0.3 ANG. ± 3°		TITLE: 3.5mm jack PC Mount, RoHS Compliant DR: AP-1S DATE: 11/24/10 REF: P/N: RSJ-372-NL CK: MD PRE: JK DRAWING NO: 4004 SIZE: F	
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