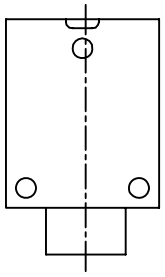
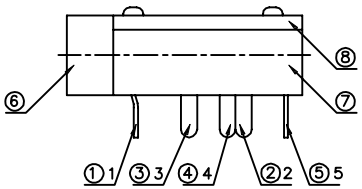
DWG. NO. JK-0503-F REV. "D"

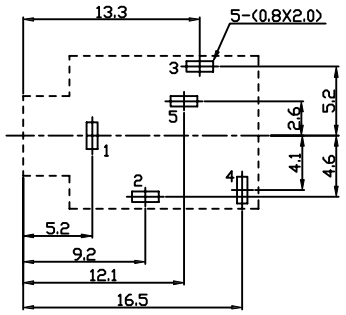
P/N: RSJ-36XX-NL

NO THREADS

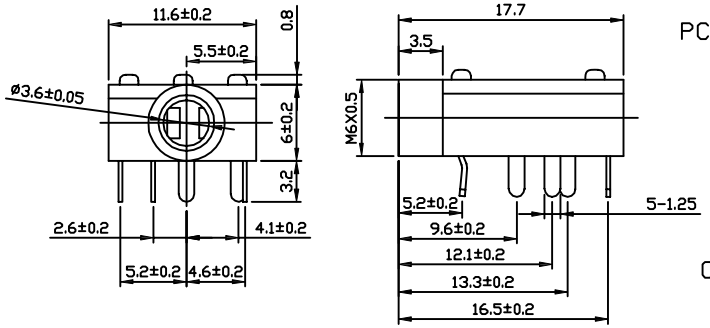




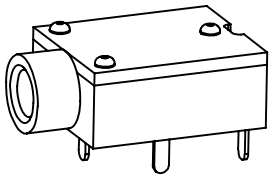

SERIES RSJ-362 5PIN



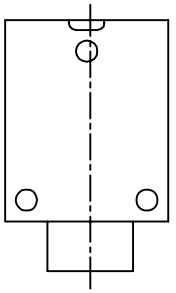

PCB LAYOUT TOP VIEW

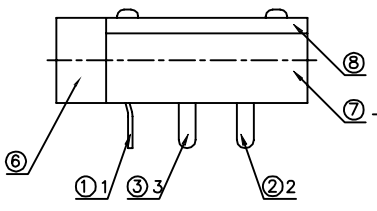



CIRCUIT DIAGRAM

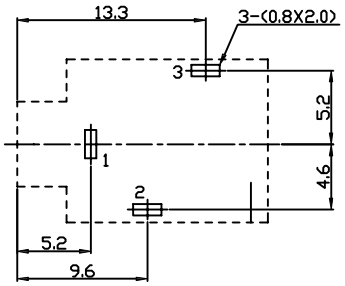


NO THREADS






SERIES RSJ-363 3PIN

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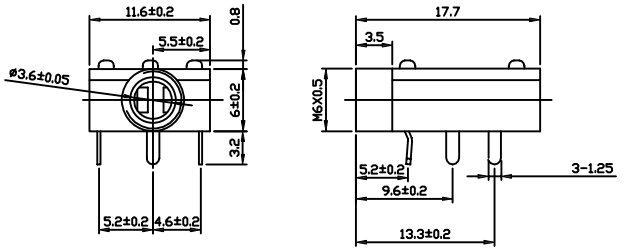
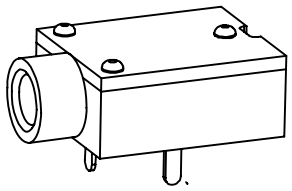



CIRCUIT DIAGRAM



| No. | PART NAME | QTY | MATERIAL(THICK, COLOR) | REMARK |
|---|---|---|---|---|
| ⑧ | COVER PC-PJ-3065A-Z3 | 1 | PC UL94V-0 | |
| ⑦ | HOUSING PH-PJ-3065A-Z2 | 1 | PBT UL94V-0 | |
| ⑥ | FIX TURN MS-PJ-3065A-Q4C | 1 | H59 | CuSn-Plated |
| ⑤ | TERMINAL MT-PJ-3065A-5Q3S | 1 | BRASS t=0.3 | Ag-Plated |
| ④ | TERMINAL MT-PJ-3065A-4Q3S | 1 | BRASS t=0.3 | Ag-Plated |
| ③ | TERMINAL MT-PJ-3065A-3Q3S | 1 | BRASS t=0.3 | Ag-Plated |
| ② | TERMINAL MT-PJ-3065A-2Q3S | 1 | BRASS t=0.3 | Ag-Plated |
| ① | TERMINAL MT-PJ-3065A-1Q3S | 1 | BRASS t=0.45 | Ag-Plated |

| ECN# | DATE | SYM | REVISION RECORD | AUTH | BY |
|---|---|---|---|---|---|
| 13-030 | 03/27/13 | D | CHANGE PAGE #1 PCB LAYOUT AND DIMENSIONS TO MATCH PAGE #2 | BC | TL |
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| 06-136 | 02/25/06 | B | CHANGED THE PART TO RoHS COMPLIANT | VC | JY |
| 02-390 | 9/12/02 | A | P/N RSJ-362/363 WAS RSJ-HCY-352, REVISED DWG. & SPECS AS SHOWN | BM | JY |

PROJECTION

SCALE NONE

TOLERANCE EXCEPT AS NOTED

DEC. MILLIMETERS
X. ±0.5
X.X ±0.3
X.XX ±0.15
ANG. ±3°

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TITLE: STEREO JACK-RoHS COMPLIANT

| DR. | DATE | REF. | SHEET |
|---|---|---|---|
| JOEY | 8/22/01 | P/N: RSJ-36XX-NL | 1 OF 4 |

| CK. | PRE- | DRAWING NO. | SIZE | REV. |
|---|---|---|---|---|
| SL | JK | 0503 | F | D |

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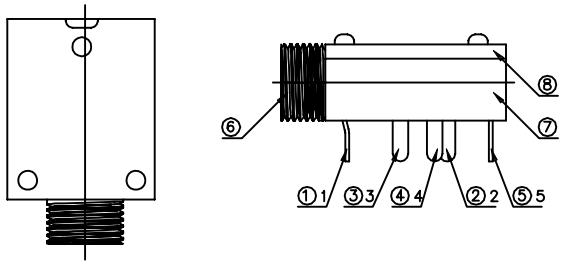
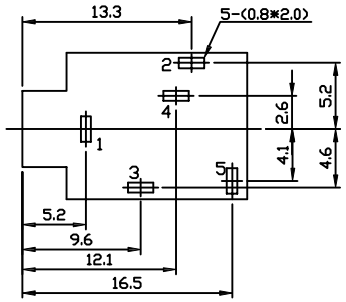
DWG. NO. JK-0503-F REV. "D"

P/N: RSJ-36XX-NL

WITH THREADS



SERIES RSJ-362 5PIN

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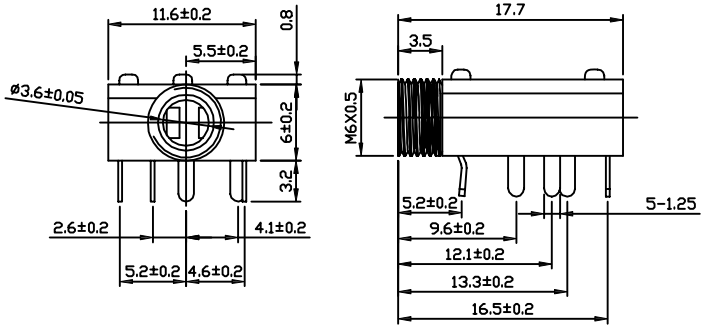
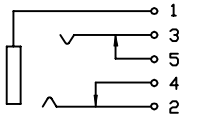
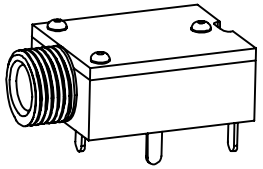
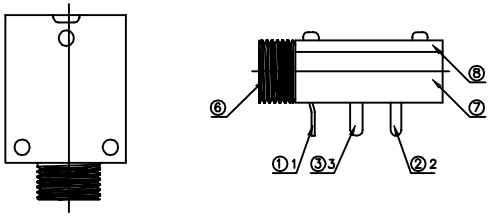


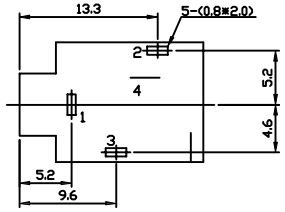

CIRCUIT DIAGRAM



WITH THREADS



SERIES RSJ-363 3PIN

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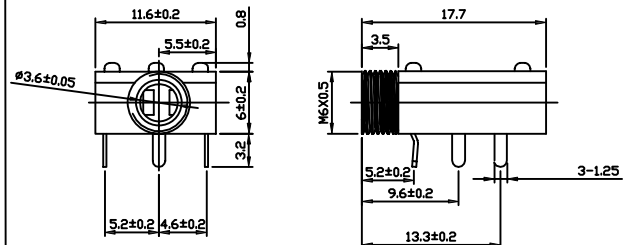
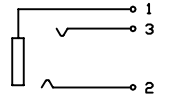
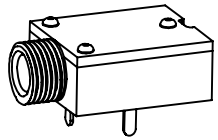



CIRCUIT DIAGRAM



| No. | PART NAME | QTY | MATERIAL(THICK, COLOR) | REMARK |
|---|---|---|---|---|
| ⑧ | COVER PC-PJ-3065A-Z 3 | 1 | PC UL94V-0 | |
| ⑦ | HOUSING PH-PJ-3065A-Z 2 | 1 | PBT UL94V-0 | |
| ⑥ | FIX TURN MS-PJ-3065AM-Q 4S | 1 | H59 | Ag-Plated |
| ⑤ | TERMINAL MT-PJ-3065A-5Q 3S | 1 | BRASS t=0.30 | Ag-Plated |
| ④ | TERMINAL MT-PJ-3065A-4Q 3S | 1 | BRASS t=0.30 | Ag-Plated |
| ③ | TERMINAL MT-PJ-3065AM-3Q 1S | 1 | PHOSPHOR BRONZE t=0.30 | Ag-Plated |
| ② | TERMINAL MT-PJ-3065AM-2Q 1S | 1 | PHOSPHOR BRONZE t=0.30 | Ag-Plated |
| ① | TERMINAL MT-PJ-3065AM-1Q 3S | 1 | BRASS t=0.45 | Ag-Plated |

| ECN# | DATE | SYM | REVISION RECORD | AUTH | BY |
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| 02-390 | 9/12/02 | A | P/N RSJ-362/363 WAS RSJ-HCY-352, REVISED DWG. & SPECS AS SHOWN | BM | JY |

PROJECTION

SCALE NONE

TOLERANCE EXCEPT AS NOTED

DEC. MILLIMETERS
X. ±0.5
X.X ±0.3
X.XX ±0.15
ANG. ±3°

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RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549

TITLE: STEREO JACK-RoHS COMPLIANT

| DR. | DATE | REF. | SHEET |
|---|---|---|---|
| JOEY | 8/22/01 | P/N: RSJ-36XX-NL | 2 OF 4 |

| CK. | PRE- | DRAWING NO. | SIZE | REV. |
|---|---|---|---|---|
| SL | JK | 0503 | F | D |

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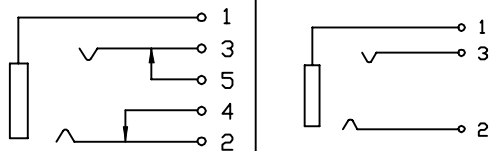
DWG. NO. JK-0503-F REV. "D"

# SPECIFICATION

P/N: RSJ-36XX-NL

| MODEL NO. | RSJ-362-NL * RSJ-362N-NL * (SEE NOTE 3) | RSJ-363-NL * RSJ-363N-NL * (SEE NOTE 3) |
|---|---|---|
| SCHEMATIC |  |  |





* N: NON THREADED BUSHING

NOTES:
1. ALL DIMS ARE GIVEN IN MM.
2. SEE SHEETS 2 & 3 FOR SPECIFICATIONS
3. THERE ARE TWO KINDS OF THE BUSHING
   A. WITH SCREW THREAD: M6XP0.5
   B. W/O SCREW THREAD: ø6 mm

| | | | |
|---|---|---|---|
| RATING: | DC 50V 0.3A | | |
| PRACTICAL TEMPERATURE RANGE | -16~65°C | | |
| STANDARD ATMOSPHEIC CONDITIONS | UNLESS OTHER WISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1)BETWEEN BODY AND CONDUCTOR:5°C TO 35°C<br>(2)BETWEEN CONDUCTORS NOT TO BE CONTACT:45% TO 85%<br>(3)PRESSURE:86Kpa TO 106Kpa | | |
| MECHANICAL | | | |
| ITEM | | TEST CONDITIONS | PERFORMANCE |
| 1 | CONNECTION FORCE | MEASUREMENT SHALL BE MADE AFTER CONNECTIONS AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. | 3~20N |
| 2 | DISCOONNECTION FORCE ELECTRICAL | MEASUREMENT SHALL BE MADE AFTER CONNECTIONS AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. | 3~20N |
| MECHANICAL | | | |
| ITEM | | TEST CONDITIONS | PERFORMANCE |
| 3.1 | CONTACT RESISTANCE | MEASURED AT SMALL CORRENT (100mA OR LESS) 1000Hz | ≤0.03Ω |
| 3.2 | INSULATION RESISTANCE | APPLY A VOLTAGE OF 500V DC FOR 1 MIN TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE:<br>(1)BETWEEN BODY AND CONDUCTOR<br>(2)BETWEEN CONDUCTORS NOT TO BE CONTACT<br>(3)BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERITED DC 500V 1MIN | ≥100MΩ |
| 3.3 | DIELECTRIC STRENGTH | AC 500V ims(50~60Hz) FOR 1 MIN TRIP CURRENT:0.5mA<br>(1)BETWEEN BODY AND CONDUCTOR<br>(2)BETWEEN CONDUCTORS NOT TO BE CONTACT<br>(3)BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERITED DC 500V 1 MIN | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC |

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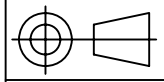
| 06-136 | 02/25/06 | B | CHANGED THE PART TO RoHS COMPLIANT | VC | JY |
| 02-390 | 9/12/02 | A | P/N RSJ-362/363 WAS RSJ-HCY-352, REVISED DWG. & SPECS AS SHOWN | BM | JY |

PROJECTION



SCALE NONE

TOLERANCE EXCEPT AS NOTED

DEC. MILLIMETERS
X. ±0.5
X.X ±0.3
X.XX ±0.15
ANG. ±3°

RDI Research Develop Innovate

RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549

TITLE STEREO JACK-RoHS COMPLIANT

| DR. | DATE | REF. | SHEET |
|---|---|---|---|
| JOEY | 8/22/01 | P/N: RSJ-36XX-NL | 3 OF 4 |

| CK. | PRE- | DRAWING NO. | SIZE | REV. |
|---|---|---|---|---|
| SL | JK | 0503 | F | D |

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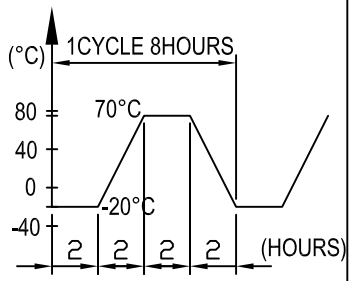
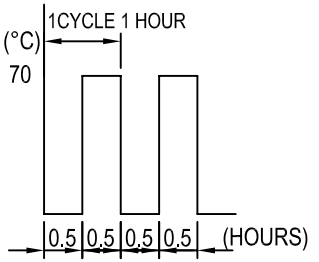
DWG. NO. JK-0503-F REV. "D"

P/N: RSJ-36XX-NL

URABILITY

| ITEM | | TEST CONDITIONS | PERFORMANCE |
|---|---|---|---|
| 4.1 | SOLDERA-BILITY 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 TEMINALS 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 Hr,THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES. | THERE SHALL BE NO DAMAGE ON APPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. |
| 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 MEASURBM | |
| 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 | THERE SHALL BE NO DAMAGE ON APPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. |
| 4.6 | LIFE TEST | WITHOUT LOAD CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUG AND JACKS FOR 5,000CYCLES AT A SPEED OF 10 TO 25 CYCLES/MIN | (1)CONTACT RESISTANCE SHALL BE ≤0.1Ω (2)DISCONNECTION FORCE SHALL BE 3 TO 20N (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED |
| 4.7 | TEMPARATURE CYCLING TEST | THE JACK SHALL BE SUB JECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE,AND THEN SHALL RETURNED ALLOWD TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES   | THERE SHALL BE NO DEFORMATION OF CRACKS IN MOLDED PART INSERTION&EXTRACTION FORCE:3 TO 20 N CONTACT RESISTANCE:MAX 30MΩ INSULATION RESISTANCE:MIN 100MΩ DIELECTRIC WITHSTANDING VOLTAGE:500VAC/MIN(BETWEEN TERMINALS) |
| 4.8 | COLD&TEAT SHOCK TEST | THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE,AND THEN SHALL RETURNED ALLOWD TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES   | THERE SHALL BE NO DEFORMATION OF CRACKS IN MOLDED PART INSERTION&EXTRACTION FORCE:3 TO 20 N CONTACT RESISTANCE:MAX 30MΩ INSULATION RESISTANCE:MIN 100MΩ DIELECTRIC WITHSTANDING VOLTAGE:500VAC/MIN(BETWEEN TERMINALS) |

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TOLERANCE EXCEPT AS NOTED

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X. ±0.5
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X.XX ±0.15
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