



**NOTES:**

1. THIS PRODUCT IS RoHS COMPLIANT

2. MATERIALS:

HOUSING AND COVER: HIGH GRADE THERMOPLASTIC, UL94V-0 RATED, COLOR BLACK.  
 CENTER PIN: BRASS, NICKEL PLATED PER QQ-N-290, CLASS 1.  
 TIP, SLEEVE AND SHUNT TERMINALS: COPPER ALLOY, SILVER PLATED PER QQ-S-365

3. SPECIFICATIONS:

LIFE: 5000 CYCLES.  
 INSERTION FORCE: 5 LB [2.3 KG] MAX.  
 WITHDRAWAL FORCE: 0.5 LB [0.2 KG] MIN.  
 CONTACT RESISTANCE: 30 MILLIOHM MAX, 60 MILLIOHM MAX. AFTER TEST.  
 INSULATION RESISTANCE: 30 MEGAOHM MIN. @ 100VDC.  
 DIELECTRIC WITHSTANDING VOLTAGE: 250VAC FOR 1 MINUTE.  
 CURRENT (CARRYING): 5A.

| REV       | ECO NUMBER | DATE    | BY | APVD |
|-----------|------------|---------|----|------|
| A         | 25129      | 8-31-05 | JL | MW   |
| REVISIONS |            |         |    |      |

★ STAR SYMBOL DENOTES CRITICAL DIMENSION

UNLESS OTHERWISE SPECIFIED

1. ALL DIMENSIONS IN INCHES  
 - TWO PLACE DECIMALS ±0.01  
 - THREE PLACE DECIMALS ±0.005  
 - ANGLES ±1°  
 - ALL DIA. CONCENTRIC WITHIN 0.005 T.I.R.

2. FEATURES ON THE SAME CENTERLINE MUST BE ALIGNED WITHIN ±0.002

3. REMOVE ALL BURRS

DO NOT SCALE DRAWING

|  |    |       |      |                     |                   |       |  |        |  |
|--|----|-------|------|---------------------|-------------------|-------|--|--------|--|
| THIS DRAWING DESCRIBES A DESIGN CONSIDERED PROPRIETARY IN NATURE, DEVELOPED AND MANUFACTURED BY SWITCHCRAFT INC. AND IS RELEASED ON A CONFIDENTIAL BASIS FOR IDENTIFICATION PURPOSES ONLY. |    |       |      |                     |                   |       |  |        |  |
| SIZE   |    | WIDTH |      | MULT                |                   | LBS/M |  | TEMPER |  |
| FINISH SPEC No.  |    |       |      |                     | MATERIAL SPEC No. |       |  |        |  |
| FIRST USED ON  |    |       |      | SCALE 4:1           |                   |       |  |        |  |
| DATE DRAWN   | BY | CHKD  | APVD | <b>Switchcraft®</b> |                   |       |  |        |  |
| 31-Aug-05  | JL | MW    | MW   |                     |                   |       |  |        |  |
| NAME   |    |       |      | PART No.            |                   | REV   |  |        |  |
| RA POWER JACK SURFACE MOUNT<br>Ø0.100 PIN, RoHS  |    |       |      | RASM712X            |                   | A     |  |        |  |

CUSTOMER DRAWING