



**SPECIFICATION:**

- CONTACT RESISTANCE: 20 MILIOHMS MAX
- DIELECTRIC WITHSTANDING VOLTAGE: 250 VAC MIN
- INSULATION RESISTANCE @ 500 VDC: 2,000 MEGAOHMS MIN
- MAX WORKING VOLTAGE: 250 VAC; 140VDC
- CURRENT CARRY @ WORKING VOLTAGE: 4 AMPS
- INSERT/WITHDRAWAL FORCE: TYPICAL 2.5/2 LBS
- TEMPERATURE RANGE: -20°C TO 85°C (OPERATING)
- THERMAL SHOCK: MIL-STD-202, METHOD 107G
- VIBRATION: MIL-STD-202, METHOD 201
- LIFE: 5,000 CYCLES
- CABLE SIZE: .250 DIA MAX
- THESE PRODUCTS ARE RoHS COMPLIANT.

**MATERIAL:**

- TIP ROD: COPPER ALLOY, TIN OR GOLD PLATED
- RING: COPPER ALLOY, TIN OR GOLD PLATED
- SLEEVE: COPPER ALLOY, TIN OR GOLD PLATED
- HANDLE: COPPER ALLOY, NICKEL PLATED OR BLACK EPOXY PAINT
- CABLE CLAMP: C.R.S., TIN PLATED
- TUBULAR INSULATOR: CLEAR PLASTIC

"A" DIA CABLE HOLE  
SEE PART NUMBER TABLE

| PART NUMBER | HANDLE | PLUG | "A"     |
|-------------|--------|------|---------|
| 35HDLNN     | NICKEL | TIN  | .29 DIA |
| 35HDLBN     | BLACK  | TIN  | .29 DIA |
| 35HDLNAU    | NICKEL | GOLD | .29 DIA |
| 35HDLBAU    | BLACK  | GOLD | .29 DIA |
| 35HDLNNS    | NICKEL | TIN  | .18 DIA |
| 35HDLBNS    | BLACK  | TIN  | .18 DIA |
| 35HDLNAUS   | NICKEL | GOLD | .18 DIA |
| 35HDLBAUS   | BLACK  | GOLD | .18 DIA |

**CUSTOMER 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. |                 |         |           |            |                          |              |             |  |    |
|           |               |          |    |      | UNLESS OTHERWISE SPECIFIED                                                                                                                                                                 | SIZE *          | WIDTH * | MULT *    | LBS/M *    | TEMPER *                 |              |             |  |    |
| 0E        | UPDATE        | 01/05/10 | ZS | SRC  | 1. ALL DIMENSIONS IN INCHES<br>- TWO PLACE DECIMALS ±0.02<br>- THREE PLACE DECIMALS ±0.005                                                                                                 | FINISH *        |         |           | MATERIAL * |                          |              |             |  |    |
| 0D        | UPDATE        | 10/10/08 | ZS | SRC  |                                                                                                                                                                                            | SPEC No. *      |         |           | SPEC No. * |                          |              |             |  |    |
| 0C        | STEP LOCK NUT | 10/10/08 | ZS | SRC  |                                                                                                                                                                                            | FIRST USED ON * |         | SCALE 2:1 |            |                          |              |             |  |    |
| 0B        | UPDATE        | 04/29/08 | ZS | SRC  |                                                                                                                                                                                            | DATE DRAWN      | BY      | CHKD      | APVD       |                          | SHEET 1 OF 1 |             |  |    |
| 0A        | RELEASE       | 12/20/07 | ZS | SRC  |                                                                                                                                                                                            | 12/20/07        | ZS      | 12/20/07  | 12/20/07   |                          |              |             |  |    |
| REV       | ECO NUMBER    | DATE     | BY | APVD | DO NOT SCALE DRAWING                                                                                                                                                                       |                 |         |           |            | NAME                     | PART No.     | REV         |  |    |
| REVISIONS |               |          |    |      |                                                                                                                                                                                            |                 |         |           |            | 3,5 MM STEREO PLUG, RoHS |              | 35HD SERIES |  | 0E |