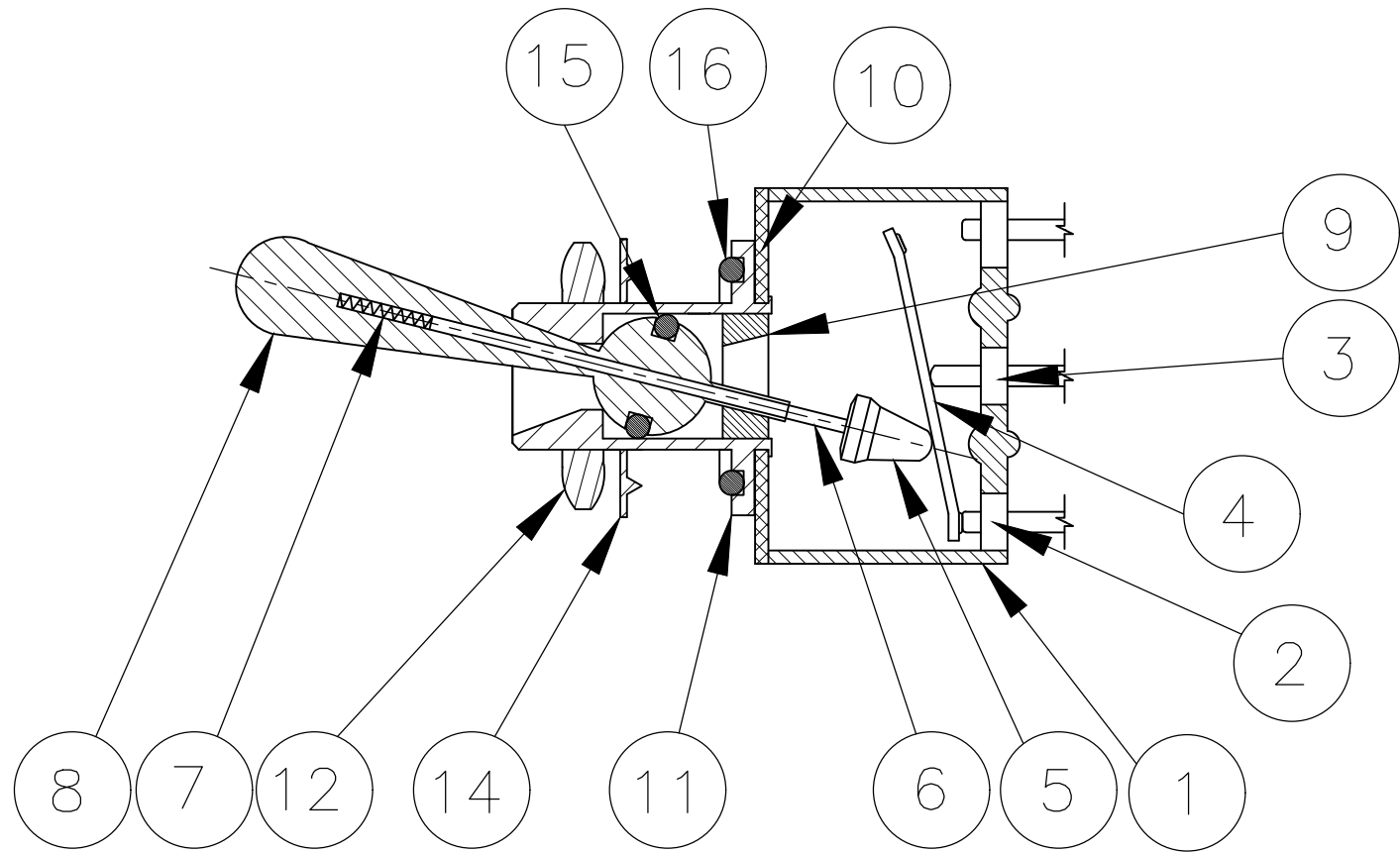


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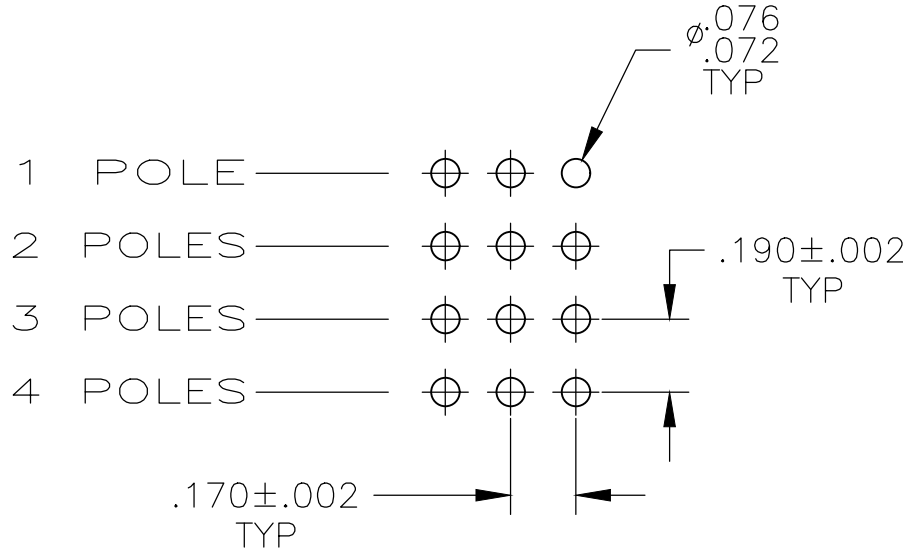
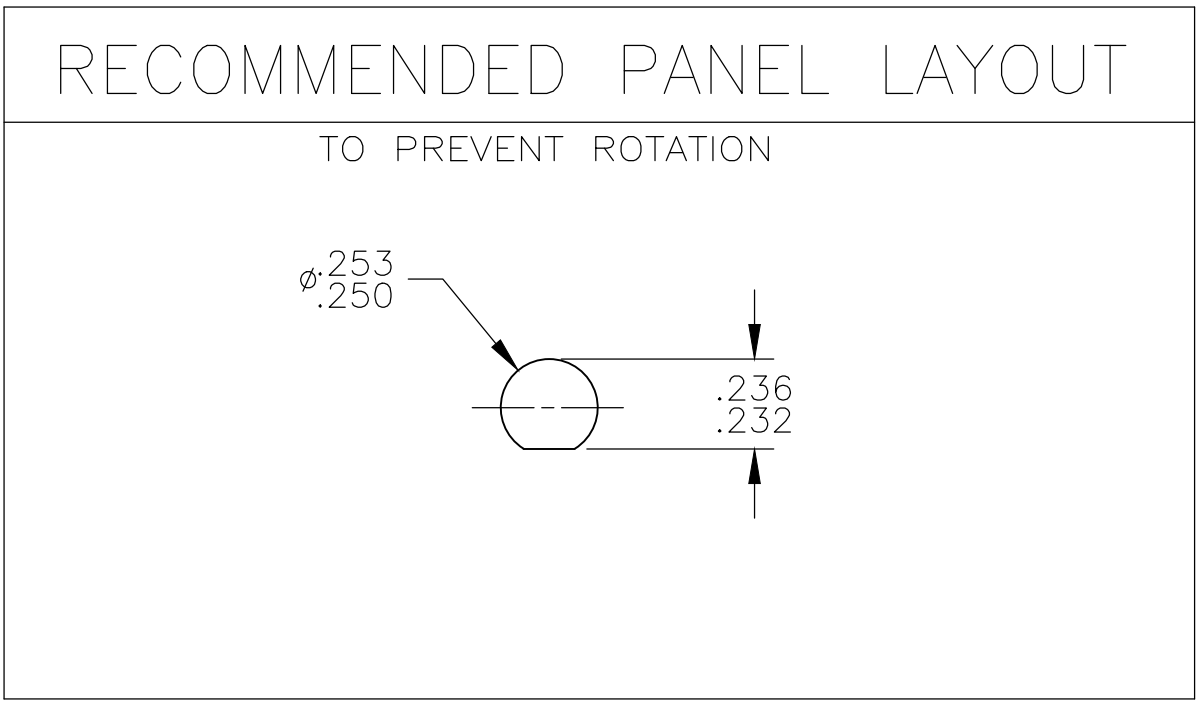
| REVISIONS | | | | | |
|-----------|-----|---------------|-----------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | C6 | ECR-18-009229 | 25SEP2018 | DHC | PO |

| Materials | | | |
|-----------|---------------------------|------------------------------|---|
| No. | Component name | Base material | Finish |
| 1 | Housing | High Temp., UL 94V-0, green | |
| 2 | End terminal | silver clad copper alloy | 5 microinches min. gold |
| 3 | Center terminal | copper alloy | 5 microinches min. gold |
| 4 | Rocker contact | silver clad copper alloy | 5 microinches min. gold |
| 5 | Actuator | Phenol resin, UL94 HB, black | |
| 6 | Plunger | stainless steel | |
| 7 | Spring | music wire | |
| 8 | Toggle | brass | chrome or Nickel |
| 9 | Retainer | Polyamide, UL94 HB, black | |
| 10 | Frame | cold rolled steel | zinc or Nickel |
| 11 | Bushing | brass | 100 microinches min. nickel over 10 microinches min. copper |
| 12 | Mounting nut (1) | brass | 200 microinches min. bright nickel |
| | | | |
| 14 | Internal tooth lockwasher | steel | zinc or Nickel |
| 15 | O-Ring, toggle seal | | |
| 16 | O-Ring, panel seal | | |



NOT TO SCALE

| Specifications-see note 3 | | | | |
|---------------------------|--------------------------------|------------|------------|-----------|
| Current rating UL & CSA | 6A @ 125 VAC (resistive) | | | |
| | 3A @ 250 VAC (resistive) | | | |
| | 4A @ 28 VDC (resistive) | | | |
| Termination resistance | 20 milliohms max @ 2-4 VDC, 1A | | | |
| Insulation resistance | 1,000 megohms min. | | | |
| Withstanding voltage | 1,000 VAC | | | |
| Travel | 24 +/−6 degrees | | | |
| Actuation force | .05 to 1.5 kgf | | | |
| Operating temperature | −20C to +85C | | | |
| Storage temperature | −40C to +85C | | | |
| Contact timing | break before make | | | |
| Terminal seal | epoxy or Insert molded | | | |
| | | | | |
| Durability | Parameter | 2 Position | 3 Position | Momentary |
| | mechanical (no load) | 150,000 | 100,000 | 80,000 |
| | 250 VAC (3A resistive) | 80,000 | 60,000 | 60,000 |
| | 125 VAC (6A resistive) | 80,000 | 60,000 | 60,000 |
| | 28 VDC (4A resistive) | 60,000 | 50,000 | 40,000 |



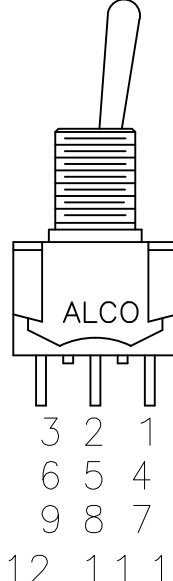
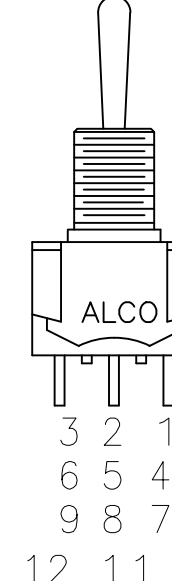
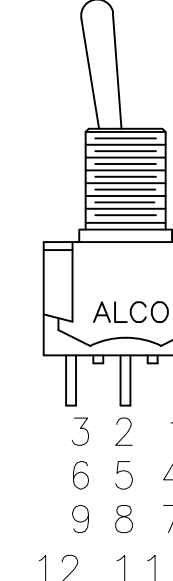
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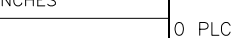
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
 - (1) 1/4-40 UNS-2B HEX NUTS
 - (1) INTERNAL TOOTH LOCKWASHER
 - (1) LOCATING RING

5. WIRE LUG CONTACTS WILL ACCEPT 2 #20 AWG SOLID OR STRANDED WIRES.
6. CUSTOMER INSTALLED EXTERNAL JUMPER BETWEEN TERMINALS 2 AND 4 REQUIRED FOR 1 POLE 3 THROW FUNCTION.

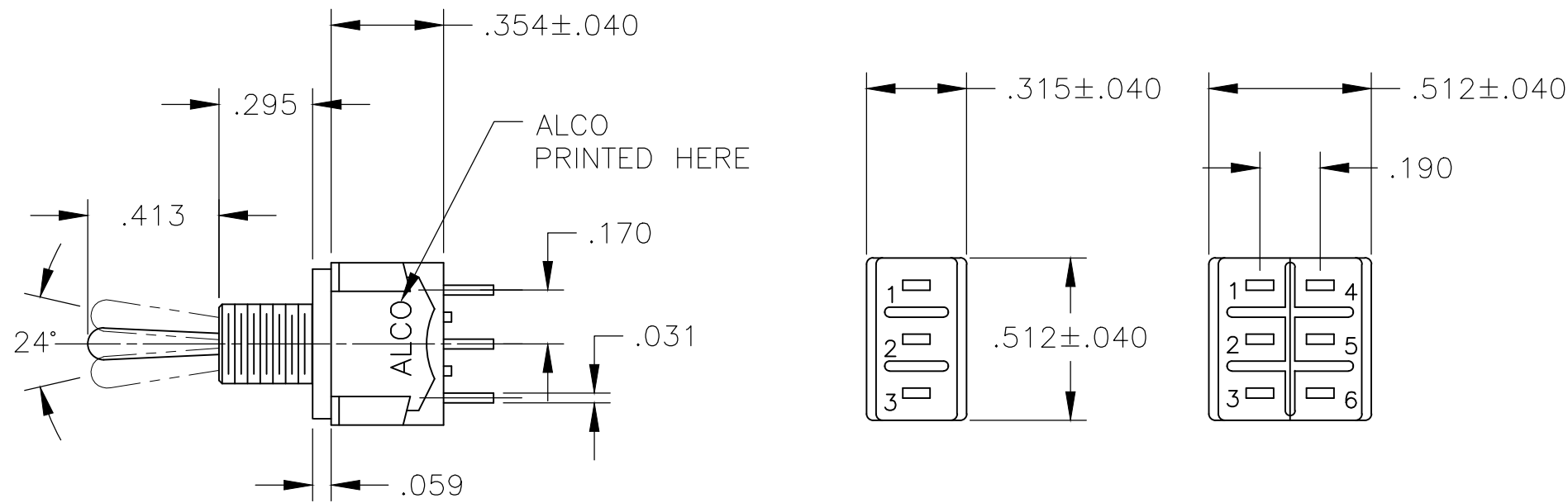
7 OBSOLETE

8. LASER MARKING USED FOR PARTS.

| Part Number | Alco Model | Poles | Throws | Function | Terminal |  |  |  | Comments |
|-------------|------------|-------|--------|---------------|----------|---|---|---|----------|
| 8-1437558-1 | MTE406P | 4 | 2 | ON OFF ON | Wire lug | 2-3, 5-6, 8-9, 11-12 | Off | 2-1, 5-4, 8-7, 11-10 | |
| 8-1437558-0 | MTE406N | 4 | 2 | ON ON | Wire lug | 2-3, 5-6, 8-9, 11-12 | --- | 2-1, 5-4, 8-7, 11-10 | |
| 7-1437558-9 | MTE306E | 3 | 2 | ON OFF ON | Wire lug | 2-3, 5-6, 8-9 | Off | 2-1, 5-4, 8-7 | |
| 7-1437558-8 | MTE306D | 3 | 2 | ON ON | Wire lug | 2-3, 5-6, 8-9 | --- | 2-1, 5-4, 8-7 | |
| 7-1437558-7 | MTE206T | 2 | 2 | ON OFF(ON) | Wire lug | 2-3, 5-6 | OFF | 2-1, 5-4 | |
| 7-1437558-6 | MTE206S | 2 | 2 | (ON) OFF (ON) | Wire lug | 2-3, 5-6 | OFF | 2-1, 5-4 | |
| 7-1437558-5 | MTE206R | 2 | 2 | ON (ON) | Wire lug | 2-3, 5-6 | --- | 2-1, 5-4 | |
| 7-1437558-4 | MTE206PA | 1 | 3 | ON ON ON | Wire lug | 5-6 | 5-3 | 5-1 | note 6 |
| 7-1437558-3 | MTE206P | 2 | 2 | ON OFF ON | Wire lug | 2-3, 5-6 | OFF | 2-1, 5-4 | |
| 7-1437558-2 | MTE206N | 2 | 2 | ON ON | Wire lug | 2-3, 5-6 | --- | 2-1, 5-4 | |
| 7-1437558-1 | MTE106G | 1 | 2 | (ON) OFF (ON) | Wire lug | 2-3 | OFF | 2-1 | |
| 7-1437558-0 | MTE106F | 1 | 2 | ON (ON) | Wire lug | 2-3 | --- | 2-1 | |
| 6-1437558-9 | MTE106E | 1 | 2 | ON OFF ON | Wire lug | 2-3 | Off | 2-1 | |
| 6-1437558-8 | MTE106D | 1 | 2 | ON ON | Wire lug | 2-3 | --- | 2-1 | |

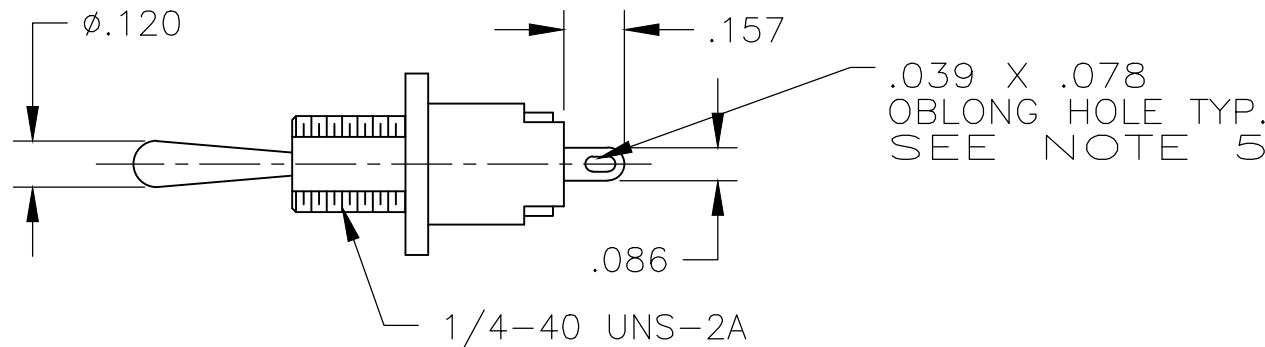
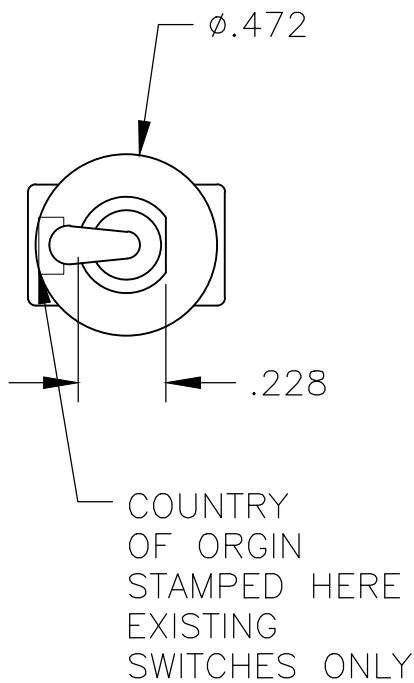
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|---|--|--|---------|---|
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| | | CHK M.ZITTO | OSAPR04 | |
| DIMENSIONS: INCHES | | TOLERANCES, UNLESS OTHERWISE SPECIFIED: FINISH M.ZITTO | | NAME |
|  | | APVD M.ZITTO | OSAPR04 | TOGGLE SWITCH, MTE SERIES VERTICAL MOUNT — |
| | | PRODUCT SPEC | | |
| | | APPLICATION SPEC | | SIZE |
| 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .005 4 PLC ± — ANGLES ± — | | | | CAGE CODE |
| MATERIAL | | WEIGHT | | DRAWING NO |
| — | | 0 | | A1 00779 |
| FINISH | | CUSTOMER DRAWING | | SCALE: 2:1 SHEET 1 of 3 REV. C |
| — | | | | RESTRICTED TO |
| | | | | — |

| REVISIONS | | | | | |
|-----------|-----|-------------|------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| — | — | SEE SHEET 1 | — | — | — |

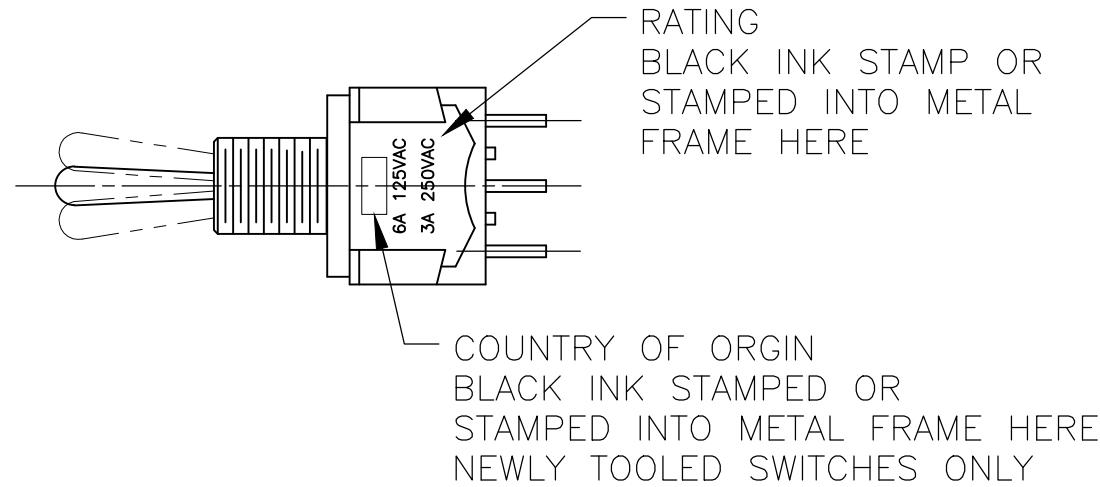


MTE-106

MTE-206



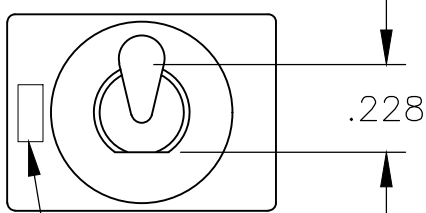
WIRE LUG TERMINAL



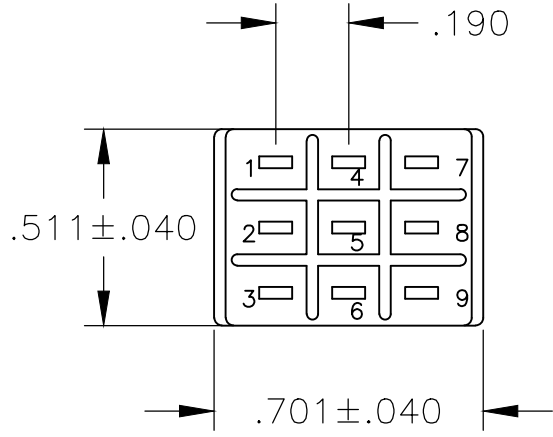
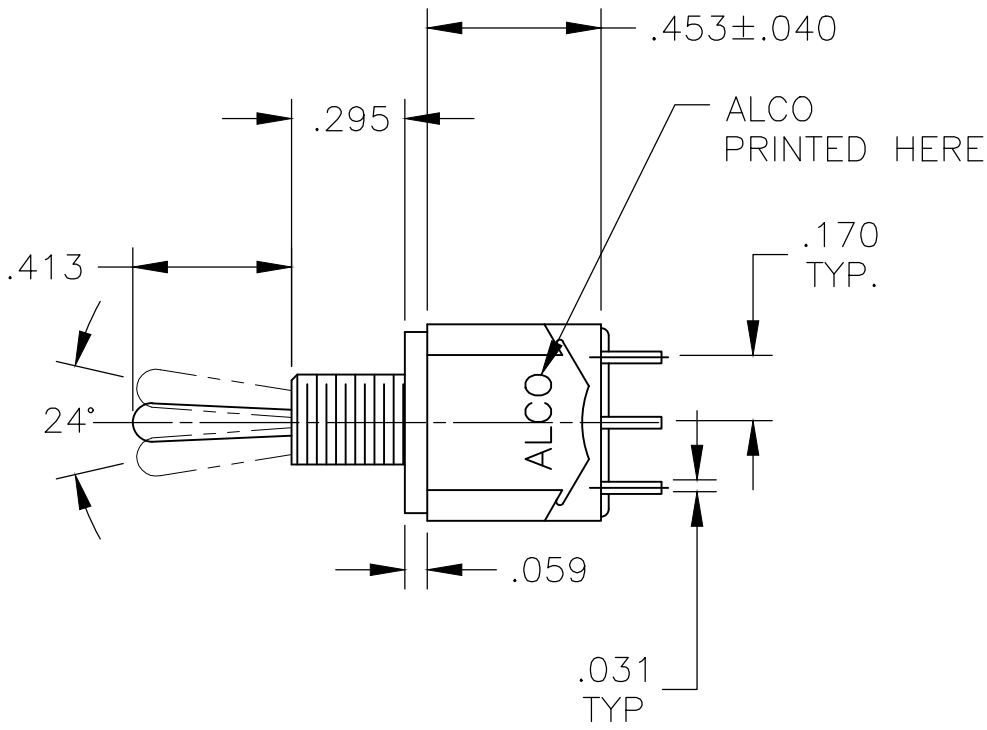
PC TERMINAL

| | | | | | |
|--|--|---|-------------------------------|---|--------------|
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| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: | PRODUCT SPEC | NAME | TOGGLE SWITCH, MTE SERIES VERTICAL MOUNT | |
| | 0. PLC ± .005 1. PLC ± .005 2. PLC ± .005 3. PLC ± .005 4. PLC ± .005 ANGLES ± .005 | APPLICATION SPEC | SIZE | CAGE CODE | DRAWING NO |
| MATERIAL | FINISH | WEIGHT | A1 | 00779 | 6-1437558-8 |
| CUSTOMER DRAWING | | | SCALE | 2:1 | SHEET 2 OF 3 |
| | | | REV C6 | | |

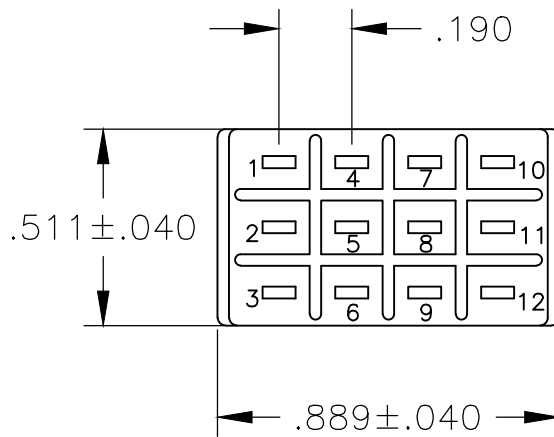
| REVISIONS | | | | | |
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| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| — | — | SEE SHEET 1 | — | — | — |



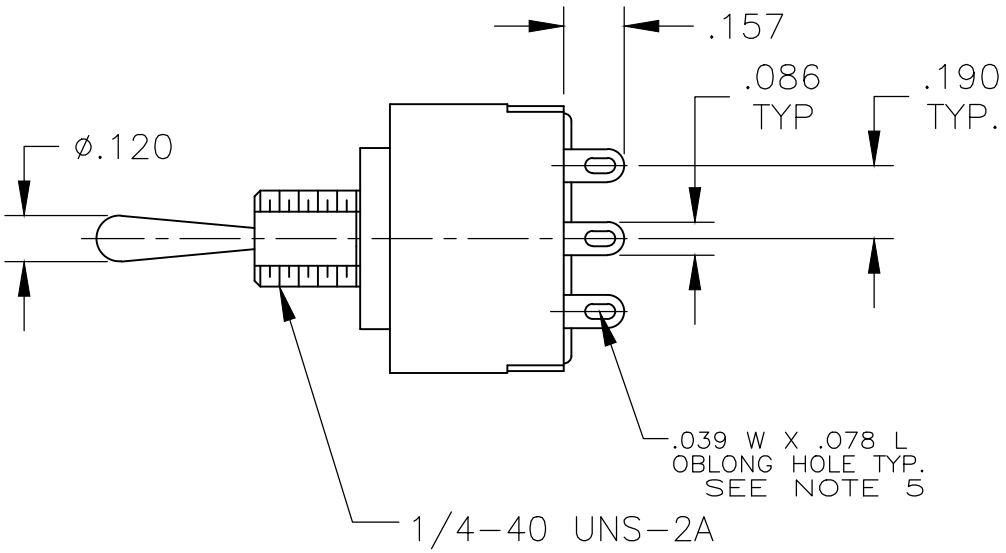
COUNTRY OF ORGIN
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SWITCHES ONLY



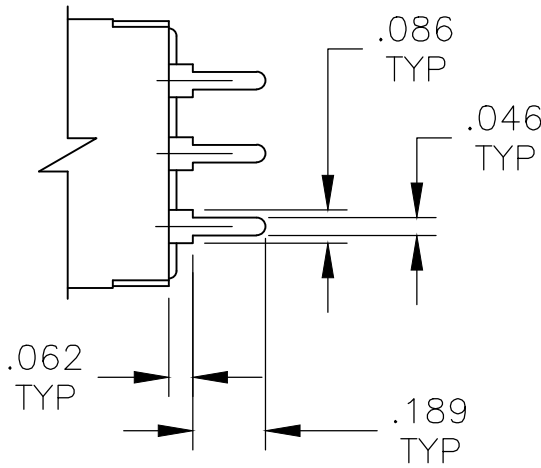
MTE-306



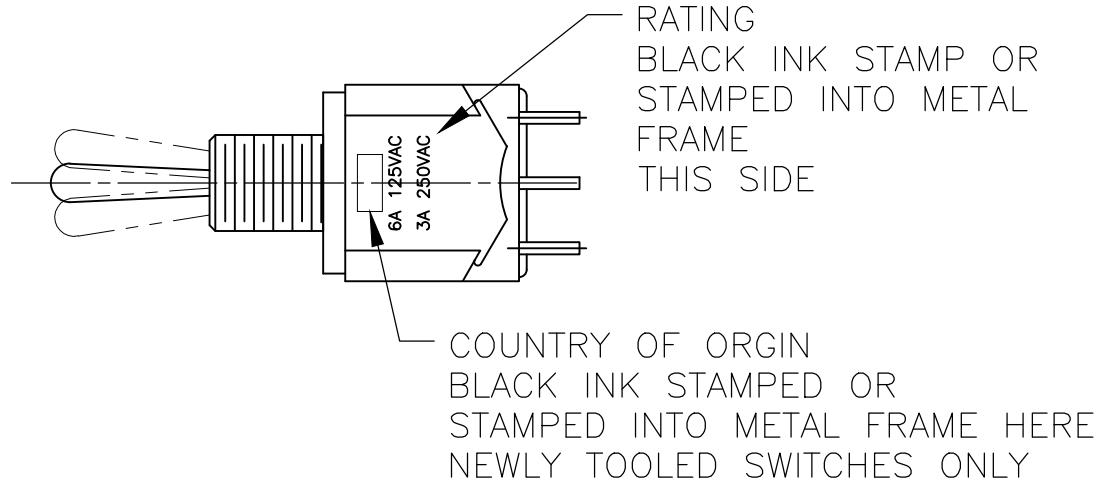
MTE-406



WIRE LUG TERMINAL



PC TERMINAL



| | | | | |
|--|--|-----------------------------|---|-----------|
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| | | CHK M. ZITTO 08APR04 | | |
| DIMENSIONS: INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD M. ZITTO 08APR04 | NAME TOGGLE SWITCH, MTE SERIES VERTICAL MOUNT | |
| | 0. PLC ± - | PRODUCT SPEC | SIZE A1 | |
| | 1. PLC ± - | APPLICATION SPEC | | |
| MATERIAL - | FINISH - | WEIGHT - | CAGE CODE 6-1437558-8 | |
| CUSTOMER DRAWING | | SCALE 2:1 | SHEET 3 OF 3 | REV C6 |

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