| | 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 ove | | | | | |
| 12 | Mounting nuts (2) | brass | 200 microinches min. bright nic | | | | | |
| 4 7 | | | | | | | | |

cold rolled steel

steel

8

13 Locating ring

14 Internal tooth lockwasher

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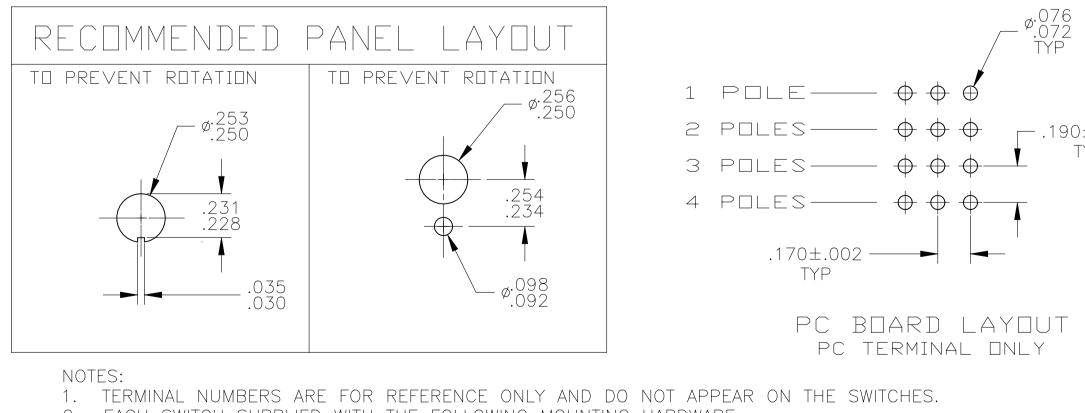
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TE Connectivity. All Rights Reserved.

| | Specifications see note 2 | | | | | Part Number | Alco Model | Poles | Throws | Function | Terminal | ALCU ALCU 3 2 1 6 5 4 9 8 7 12 11 1 |
|---|--|-------------|-------------------------------|------------------|------------------|---------------------------------|----------------------|----------|--------|-------------------|----------------------|--|
| Irrent rating UL & CSA | Specifications-see note 3 6A @ 125 VAC (resistive) | | | | | 4-1437558-8 | MTA406PPC | 4 | 2 | ON OFF ON | PC | 2-3, 5-6, 8-9, |
| | 3A @ 250 VAC (resistive) | | | | $+ \land \vdash$ | 4 - 1437558 - 7 | MTA406PAP | \sim 2 | 3 | ON ON ON | PC | 5-6, 11-12 |
| | 4A @ 28 VDC (resistive) | | | | | 4-1437558-6 | | 2 | 3 | ON ON ON | Wire lug | , |
| mination resistance | 20 milliohms max @ 2-4 VDC, | 1 A | | | | 4-1437558-5 | | 4 | 2 | ON OFF ON | Wire lug | , |
| ulation resistance | 1,000 megohms min. | | | | | 4-1437558-4 | | 4 | 2 | ON ON | PC | 2-3, 5-6, 8-9, |
| hstanding voltage | 1,000 VAC | | | | | 4-1437558-3 | MTA406N | 4 | 2 | ON ON | Wire lug | |
| vel | 24 + / - 6 degrees | | | | | 4-1437558-2 | MTA306HPC | 3 | 2 | ON OFF(ON) | PC | 2-3, 5-6, 8- |
| uation force | .05 to 1.5 kgf | | | | | 4-1437558-1 | MTA306H | 3 | 2 | ON OFF(ON) | Wire lug | |
| erating temperature | -20C to +85C | | | | | 4-1437558-0 | MTA306FPC | 3 | 2 | ON (ON) | PC | 2-3, 5-6, 8- |
| rage temperature | -40C to +85C | | | | | 3-1437558-9 | MTA306F | 3 | 2 | ON (ON) | Wire lug | 2-3, 5-6, 8- |
| ntact timing | break before make | | | | | 3-1437558-8 | MTA306EPC | 3 | 2 | ON OFF ON | PC | 2-3, 5-6, 8- |
| minal seal | epoxy or insert molded | | | | | 3-1437558-7 | MTA306E | 3 | 2 | ON OFF ON | Wire lug | 2-3, 5-6, 8 |
| | | | | | | 3-1437558-6 | MTA306DPC | 3 | 2 | ON ON | PC | 2-3, 5-6, 8 |
| ability | Parameter | 2 Position | 3 Position | Momentary | | 3-1437558-5 | MTA306D | 3 | 2 | ON ON | Wire lug | 2-3, 5-6, 8- |
| | mechanical (no load) | 150,000 | 100,000 | 80,000 | 8 | 3-1437558-4 | MTA206TPC | 2 | 2 | ON OFF(ON) | PC | 2-3, 5-6 |
| | 250 VAC (3A resistive) | 80,000 | 60,000 | 60,000 | | 3-1437558-3 | MTA206TA | 1 | 3 | ON ON (ON) | Wire lug | 5-6 |
| | 125 VAC (6A resistive) | 80,000 | | 60,000 | 8 | 3-1437558-2 | MTA206T | 2 | 2 | ON OFF(ON) | Wire lug | , |
| | 28 VDC (4A resistive) | 60,000 | 50,000 | 40,000 | | 3-1437558-1 | MTA206SPC | 2 | 2 | (ON) OFF (ON) | PC | 2-3, 5-6 |
| | | | | | 8 | 3-1437558-0 | MTA206SA | 1 | 3 | (ON) ON (ON) | Wire lug | |
| | | | | | | 2-1437558-9 | MTA206S | 2 | 2 | (ON) OFF (ON) | Wire lug | , |
| | | | | | | 2-1437558-8 | | 2 | 2 | ON (ON) | PC | 2-3, 5-6 |
| | | | Ø· | 076 072 YP | - | 2-1437558-7 | | 2 | 2 | ON (ON) | Wire lug | , |
| RECUMMENL |)ED PANEL LAYOUT | | | TP | | 2-1437558-5 | | 2 | 2 | ON OFF ON | PC | 2-3, 5-6 |
| TO PREVENT ROTATI | | 1 POLE | | | | 2-1437558-4 | | 1 | 3 | ON ON ON | PC | 5-6 |
| . 25 | 53 Ø.256 | | | | | 2-1437558-3 | | 1 | 3 | ON ON ON | Wire lug | |
| Ø-25 | 50 | 2 POLES | $\Phi \Phi \Phi$ | .190±.002 TYP | | 2-1437558-2 | MTA206P | 2 | 2 | ON OFF ON | Wire lug | , |
| | | 3 POLES | $\phi \phi \phi - \mathbf{I}$ | | <u> </u> | 2-1437558-1 | MTA206NPC | 2 | 2 | ON ON | PC | 2-3, 5-6 |
| | .254 .234 | 4 POLES | $\oplus \oplus \oplus -$ | | | 2-1437558-0 | | 2 | 2 | ON ON | Wire lug | , |
| | | | | | | 1-1437558-9 | | 1 | 2 | ON OFF(ON) | PC | 2-3 |
| | | .170±.002 - | | | <u> </u> | 1-1437558-8 | | 1 | 2 | ON OFF(ON) | Wire lug | |
| | 035 .030 | TYP | | | | 1-1437558-7 | | 1 | 2 | (ON) OFF (ON) | PC | 2-3 |
| | .030 | | JARD LAYDI | IΤ | | $\frac{1-1437558-6}{1-1437558}$ | | 1 | 2 | (ON) OFF (ON) | Wire lug | |
| | | | ERMINAL ONL' | | - | 1 - 1437558 - 5 | | | 2 | ON (ON) | PC | 2-3 |
| NOTES: | | | | | | 1 - 1437558 - 4 | | | 2 | ON (ON) | Wire lug | |
| 1. TERMINAL NUM | BERS ARE FOR REFERENCE ONLY AND DO NO | | TCHES. | | | 1 - 1437558 - 3 | | | 2 | ON OFF ON | PC | 2-3 |
| | SUPPLIED WITH THE FOLLOWING MOUNTING HA NS-2B HEX NUTS | NKUWAKE: | | | - | 1 - 1437558 - 2 | | | | ON OFF ON | Wire lug | |
| | | | | | | 1-1437558-1 | MTA106DPC | | 2 | ON ON | PC | 2-3 |
| (1) INTERNAL T | OOTH LOCKWASHER | | | | | 1671010 1 | | 1 | | $\cap \mathbb{N}$ | \ \ / * | |
| (1) INTERNAL T(1) LOCATING R | | | | | <u> </u> | <u>1571616-1</u> 1-1437558-0 | MTA106DUL MTA106D | 1 | 2 | ON ON | Wire lug Wire lug | |



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. CUSTOMER INSTALLED EXTERNAL JUMPERS BETWEEN TERMINALS 2 AND 4 AS WELL AS 8 AND 10 REQUIRED FOR 2 POLE 3 THROW FUNCTION.
- 8 OBSOLETE 9. LASER MARKING USED FOR PARTS.

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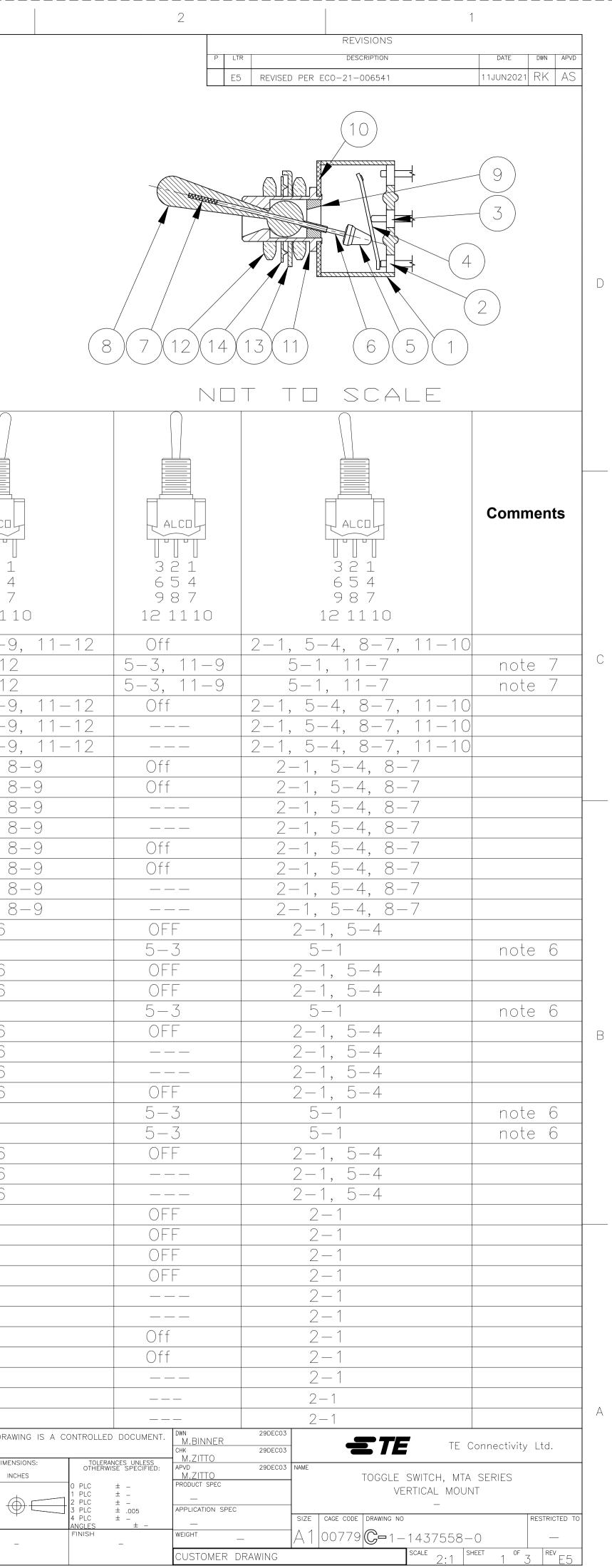
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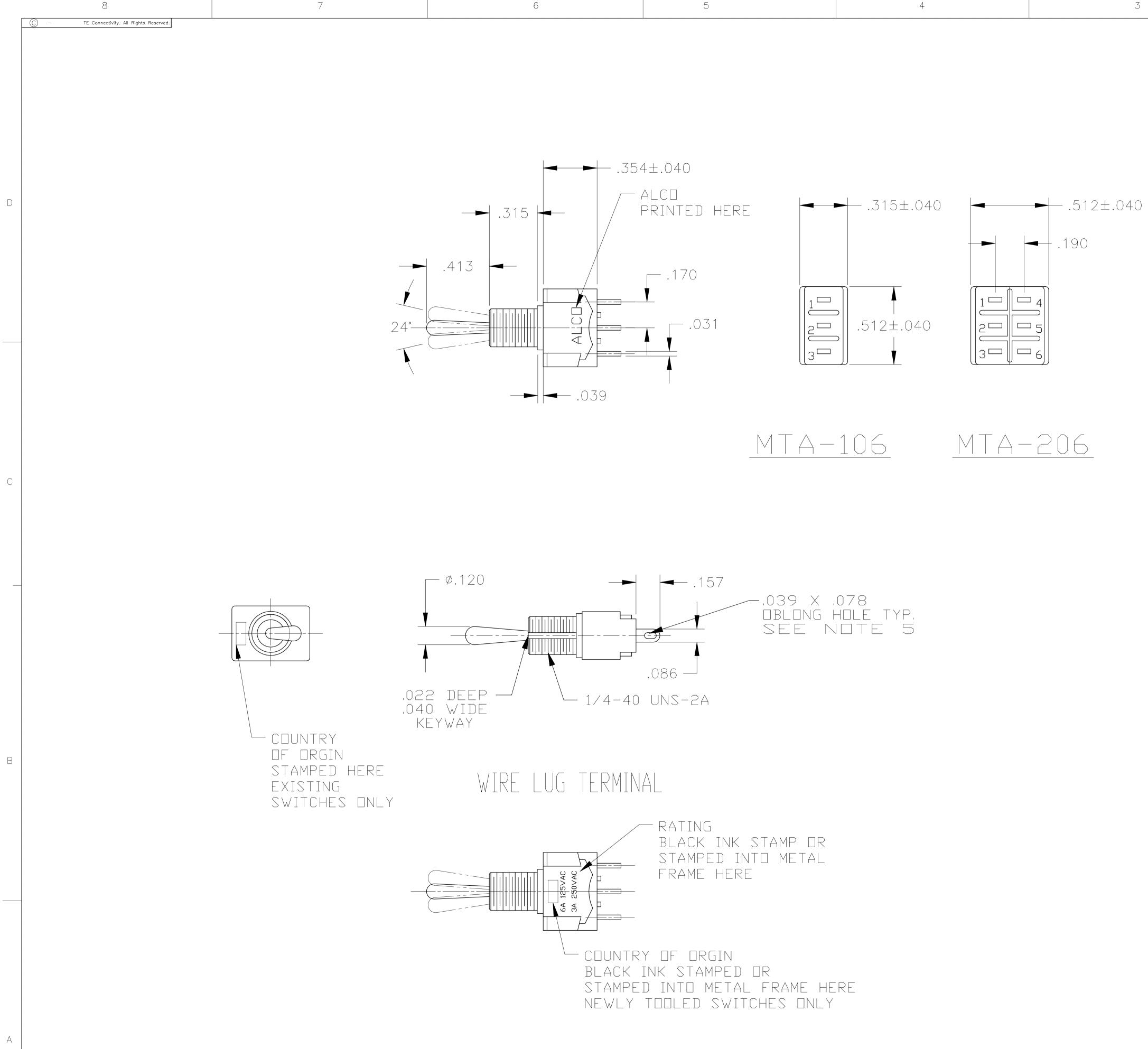
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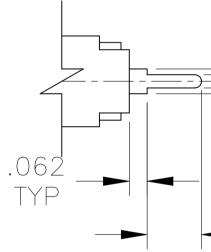
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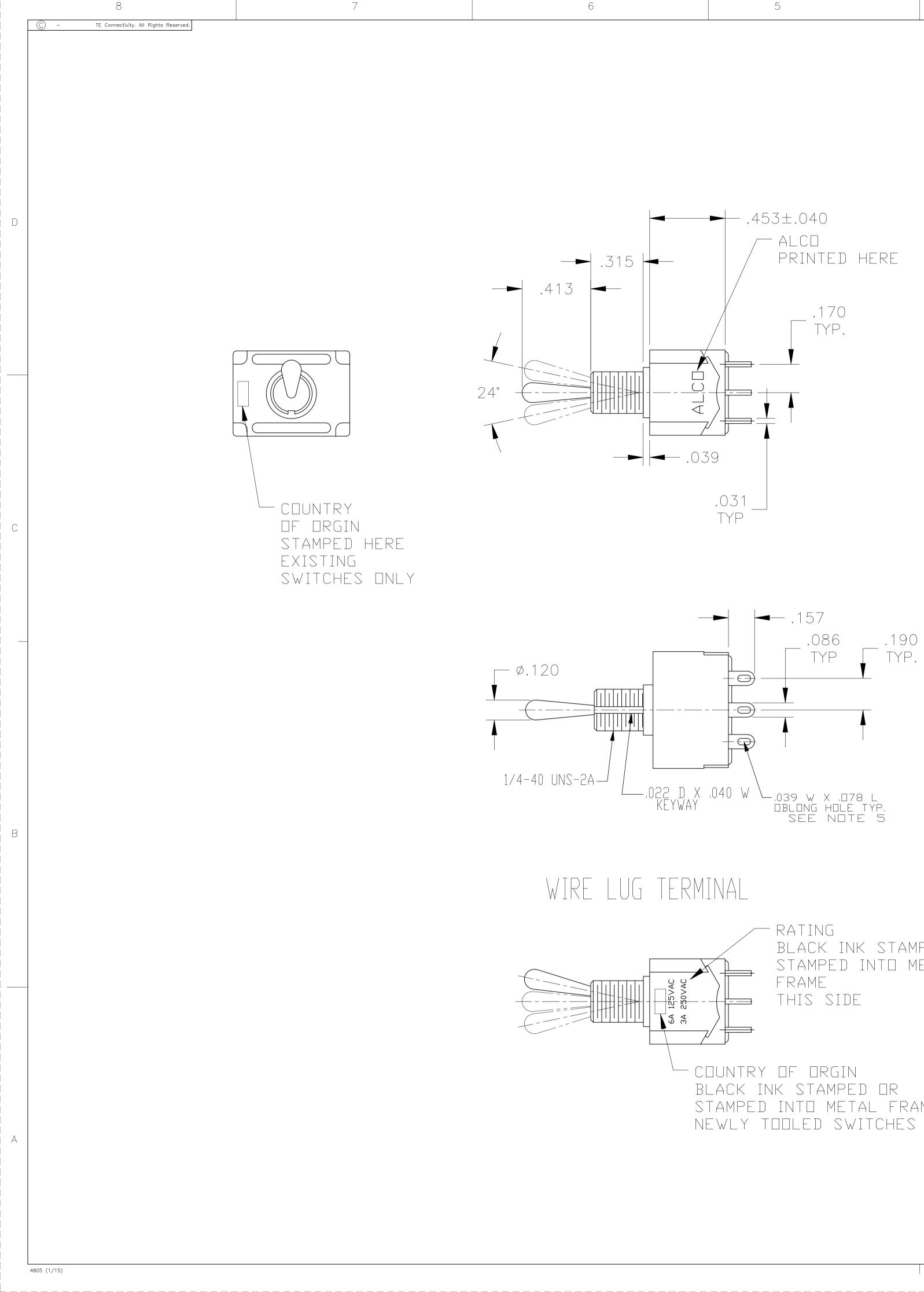


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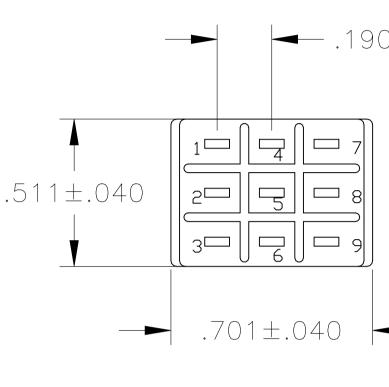
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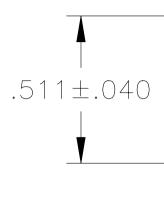
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| + | 2 PLC ± - 3 PLC ± .005 | APPLICATION SPEC | | | | | | | | | |
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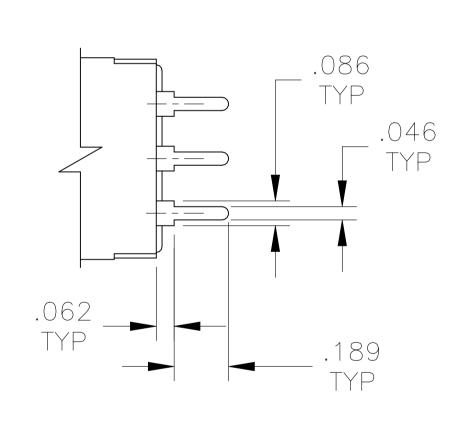
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STAMPED INTO METAL FRAME HERE Newly tooled switches only

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