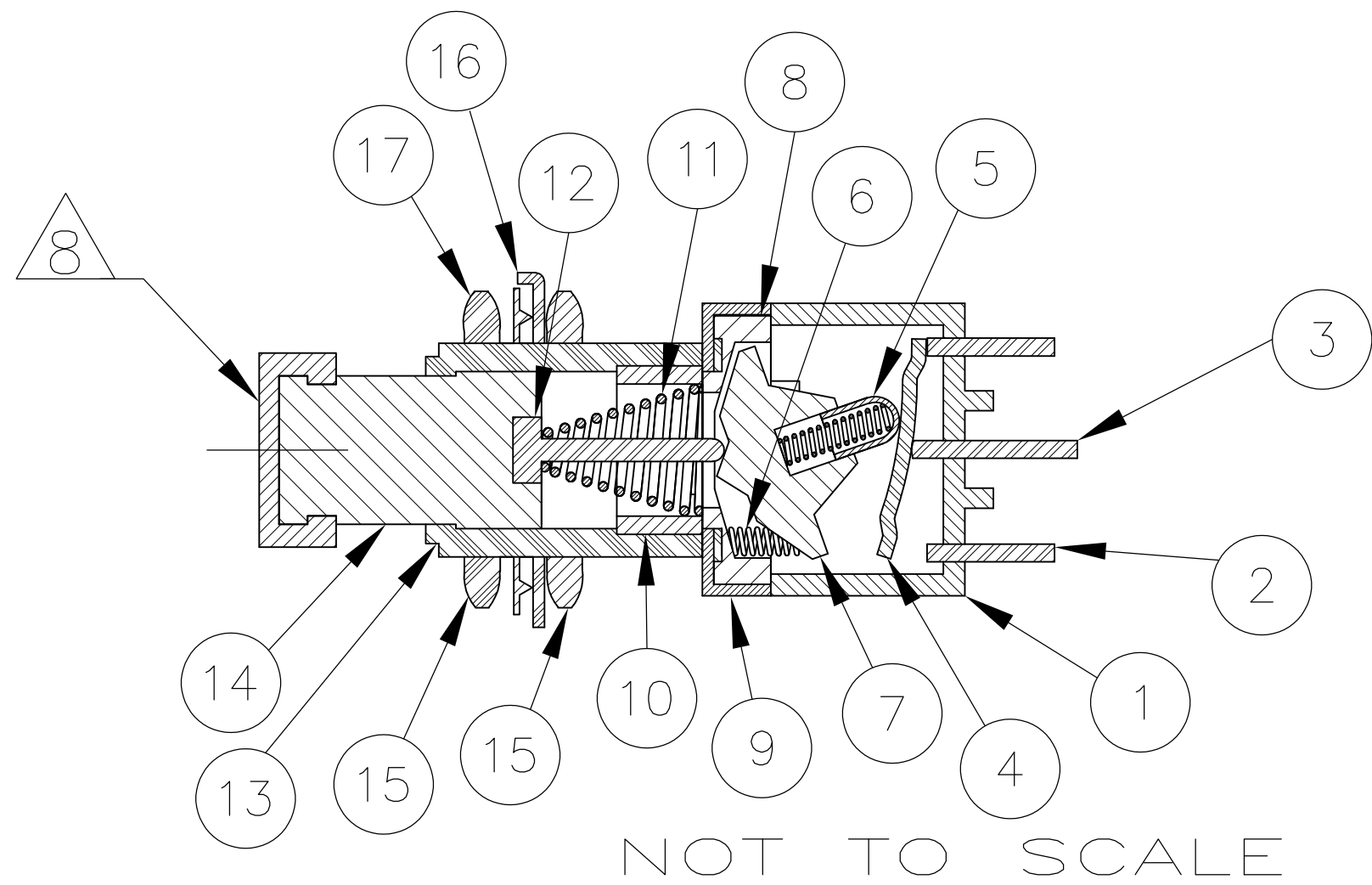


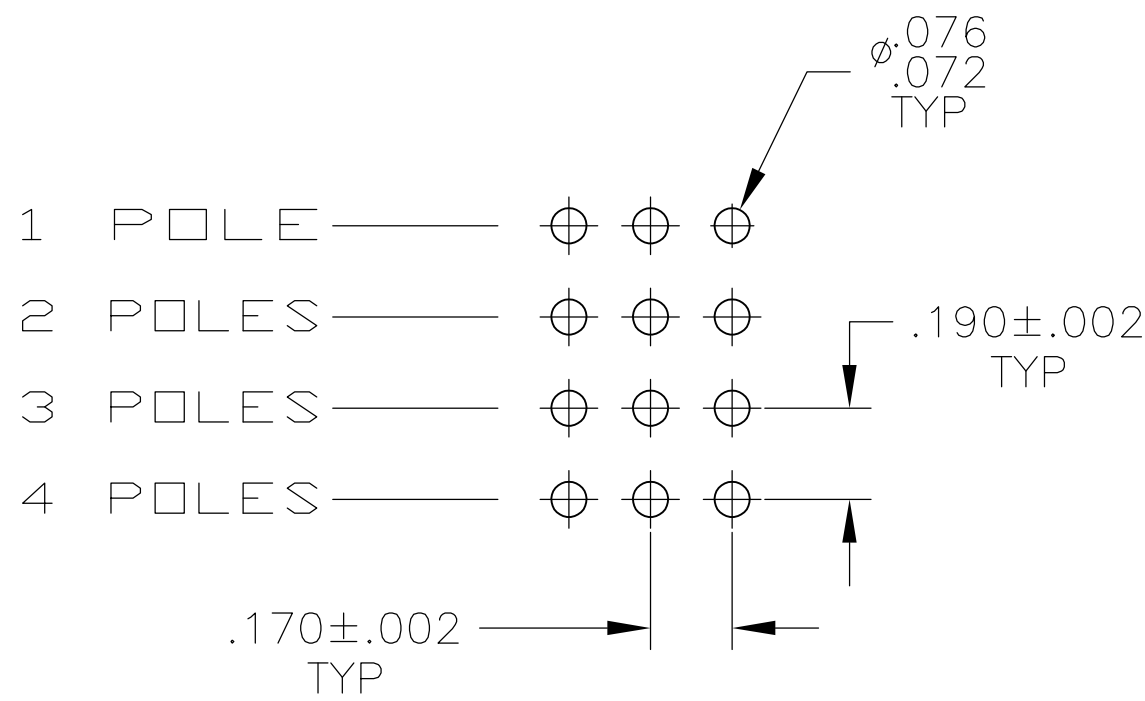
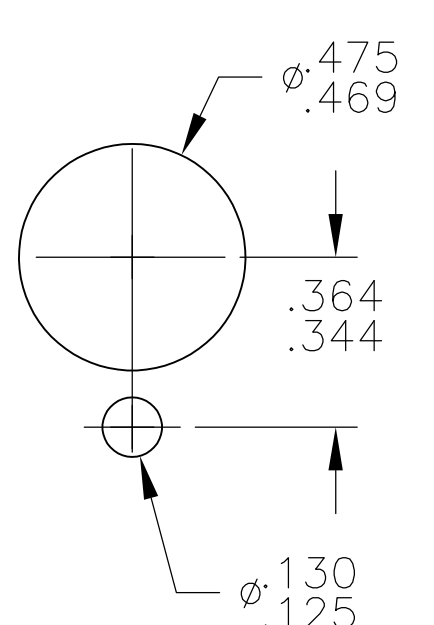
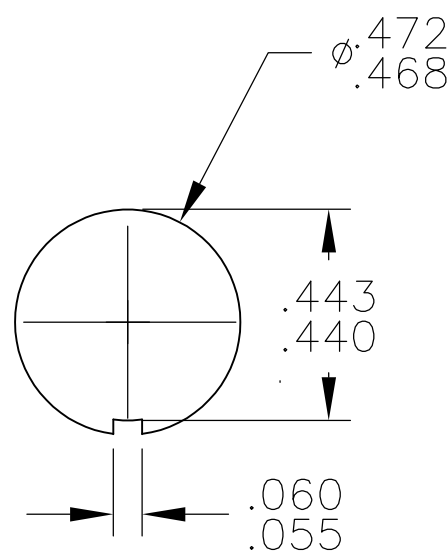
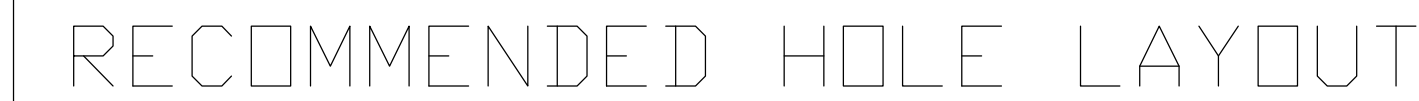
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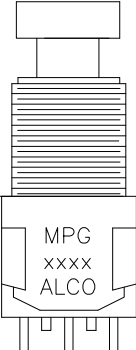
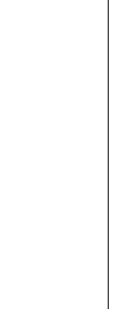
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| —   | —    | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|     |      |           | C3  | REVISED PER ECO-14-010935 | 19JUL2014 | NK  | RH   |

|    |                           |                          | Materials  |
|----|---------------------------|--------------------------|------------|
| No | Component name            | Base material            | Plating    |
| 1  | Housing                   | Diallyl phthalate resin  |            |
| 2  | End terminal              | silver clad copper alloy | gold flash |
| 3  | Center terminal           | copper alloy             | gold flash |
| 4  | Rocker contact            | silver clad copper alloy | gold flash |
| 5  | Actuator tip              | Phenol resin, UL94 HB    |            |
| 6  | Actuator spring           | music wire               |            |
| 7  | Actuator                  | Phenol resin, UL94 HB    |            |
| 8  | Actuator guide            | polymer                  |            |
| 9  | Frame                     | stainless steel 100-77   |            |
| 10 | Retainer/Stopper          | polyamid resin           | none       |
| 11 | Plunger spring            | music wire               |            |
| 12 | Plunger pin               | brass                    |            |
| 13 | Bushing                   | zinc                     | nickel     |
| 14 | Plunger                   | brass                    | nickel     |
| 15 | Mounting nuts (2)         | brass                    | nickel     |
| 16 | Locating ring             | cold rolled steel        | nickel     |
| 17 | Internal tooth lockwasher | steel                    | nickel     |



| Specifications             |                                |                   |           |
|----------------------------|--------------------------------|-------------------|-----------|
| Current rating UL & CSA    | 6A @ 125 VAC (resistive)       |                   |           |
|                            | 3A @ 250 VAC (resistive)       |                   |           |
|                            | 4A @ 28 VDC (resistive)        |                   |           |
| Initial contact resistance | 10 milliohms max @ 2–4 VDC, 1A |                   |           |
| Dielectric strength        | 1,000 megohms min.             |                   |           |
| Withstanding voltage       | 1,500 VAC                      |                   |           |
| Travel                     | .140                           |                   |           |
| Actuation force            | .4 to 2 kgf                    |                   |           |
| Operating temperature      | –20C to +85C                   |                   |           |
| Storage temperature        | –40C to +85C                   |                   |           |
| Contact timing             | break before make              |                   |           |
| Terminal seal              | over molded                    |                   |           |
|                            |                                |                   |           |
| Durability                 | Parameter                      | Push on/ Push off | Momentary |
|                            | 250 VAC (3A resistive)         | 30,000            | 30,000    |
|                            | 125 VAC (6A resistive)         | 30,000            | 30,000    |
|                            | 28 VDC (4A resistive)          | 30,000            | 30,000    |



| PART NUMBER | Alco P/N  | Mark<br>SWITCH<br> | Poles | Throws | Terminal | Function                                                                              |                                                                                       | Connected Terminals                                                                   |                                                                                       |
|-------------|-----------|---------------------------------------------------------------------------------------------------------|-------|--------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|             |           |                                                                                                         |       |        |          |  |  |  |  |
| 5-1437567-8 | MPG406R   | MPG 406R                                                                                                | 4     | 2      | Wire lug | ON                                                                                    | MOM                                                                                   | 2-1, 5-4, 8-7, 11-10                                                                  | 2-3, 5-6, 8-9, 11-12                                                                  |
| 5-1437567-7 | MPG406N   | MPG 406N                                                                                                | 4     | 2      | Wire lug | ON                                                                                    | ON                                                                                    | 2-1, 5-4, 8-7, 11-10                                                                  | 2-3, 5-6, 8-9, 11-12                                                                  |
| 5-1437567-6 | MPG306F   | MPG 306F                                                                                                | 3     | 2      | Wire lug | ON                                                                                    | MOM                                                                                   | 2-1, 5-4, 8-7                                                                         | 2-3, 5-6, 8-9                                                                         |
| 5-1437567-5 | MPG306D   | MPG 306D                                                                                                | 3     | 2      | Wire lug | ON                                                                                    | ON                                                                                    | 2-1, 5-4, 8-7                                                                         | 2-3, 5-6, 8-9                                                                         |
| 5-1437567-4 | MPG206RPC | MPG 206RPC                                                                                              | 2     | 2      | PC       | ON                                                                                    | MOM                                                                                   | 2-1, 5-4                                                                              | 2-3, 5-6                                                                              |
| 5-1437567-3 | MPG206R   | MPG 206R                                                                                                | 2     | 2      | Wire lug | ON                                                                                    | MOM                                                                                   | 2-1, 5-4                                                                              | 2-3, 5-6                                                                              |
| 5-1437567-2 | MPG206NPC | MPG 206NPC                                                                                              | 2     | 2      | PC       | ON                                                                                    | ON                                                                                    | 2-1, 5-4                                                                              | 2-3, 5-6                                                                              |
| 5-1437567-1 | MPG206N   | MPG 206N                                                                                                | 2     | 2      | Wire lug | ON                                                                                    | ON                                                                                    | 2-1, 5-4                                                                              | 2-3, 5-6                                                                              |
| 5-1437567-0 | MPG106F   | MPG 106F                                                                                                | 1     | 2      | Wire lug | ON                                                                                    | MOM                                                                                   | 2-1                                                                                   | 2-3                                                                                   |
| 4-1437567-9 | MPG106D   | MPG 106D                                                                                                | 1     | 2      | Wire lug | ON                                                                                    | ON                                                                                    | 2-1                                                                                   | 2-3                                                                                   |

NOTES:

1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON THE SWITCHES.
2. EACH SWITCH SUPPLIED WITH THE FOLLOWING MOUNTING HARDWARE:
  - (2) 15/32-32 UNS-2B HEX NUTS
  - (1) INTERNAL TOOTH LOCKWASHER
  - (1) LOCATING RING



7. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

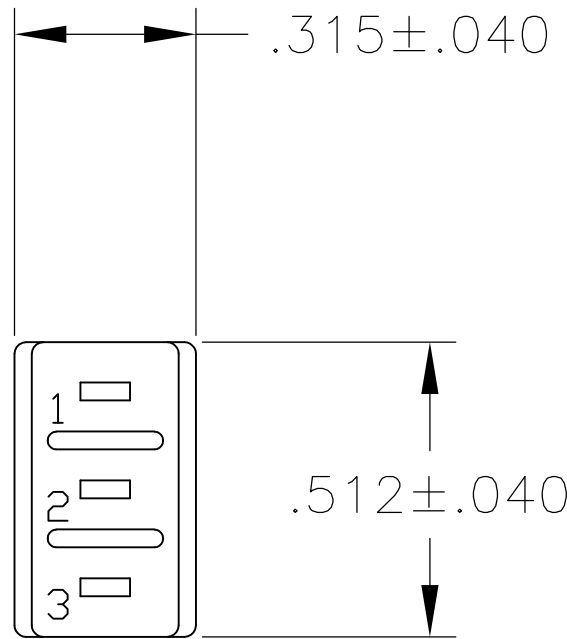
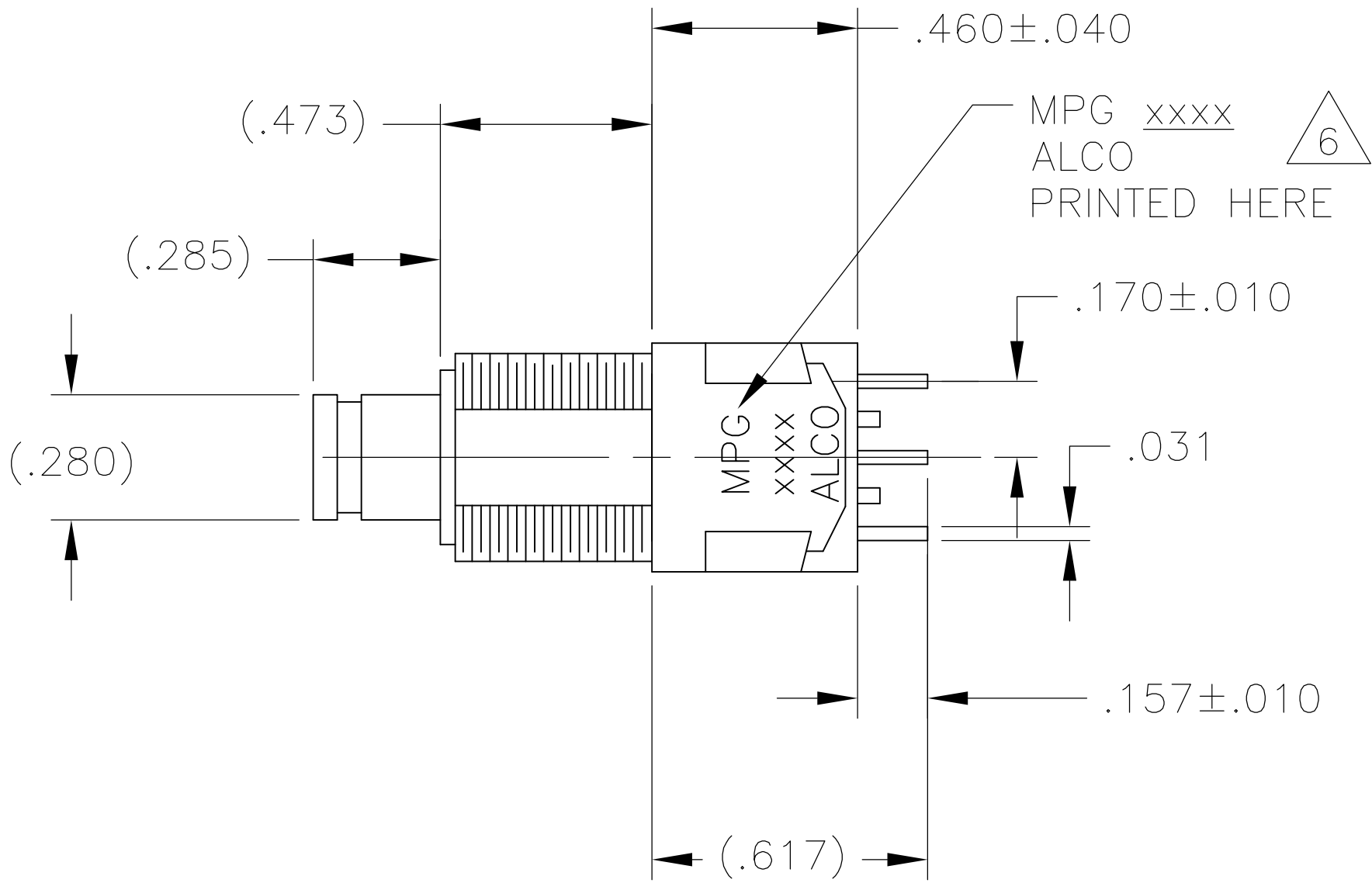
8. BLACK CAP INCLUDED WITH EACH SWITCH IF DIFFERENT COLOR REQUIRED ORDER SEPARATELY DRAWING NUMBER 7-1437627-1

9. LASER MARKING USED FOR PARTS.

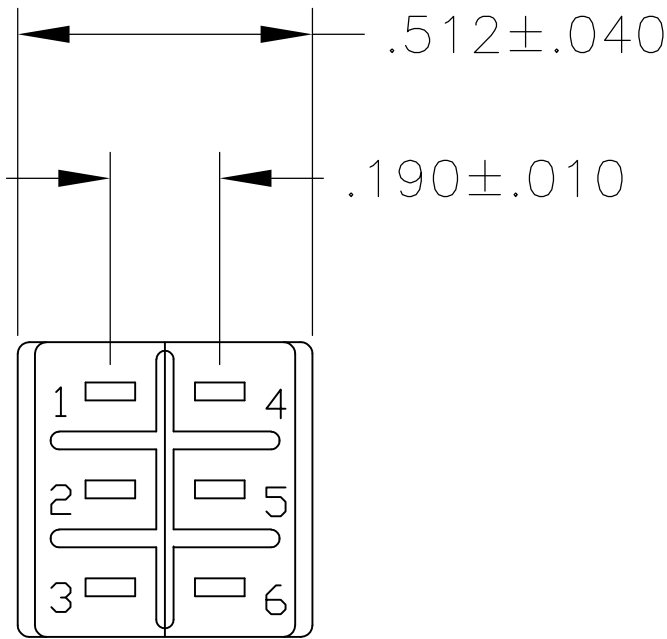
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|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|---------------------------|------------------|-------------------------------------------------------------------------------------------------------|-----------|--------------|---------------|-----|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                                                             |                                           |                                 | OWN<br>M.BINNER           | 02MAR09          |  TE Connectivity |           |              |               |     |   |
|                                                                                                                                    |                                           |                                 | CHK<br>M.ZITTO            | 15NOV04          |                                                                                                       |           |              |               |     |   |
| <div>DIMENSIONS:<br/>INCHES</div> <div></div> | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |                                 |                           | APPRO<br>M.ZITTO | NAME<br>ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH,<br>MPG SERIES                                      |           |              |               |     |   |
|                                                                                                                                    |                                           |                                 |                           | PRODUCT SPEC     |                                                                                                       |           |              |               |     |   |
|                                                                                                                                    |                                           |                                 |                           | APPLICATION SPEC |                                                                                                       |           |              |               |     |   |
|                                                                                                                                    | 0<br>2<br>2<br>2<br>4                     | PLC<br>PLC<br>PLC<br>PLC<br>PLC | ±<br>±<br>±<br>±.012<br>± |                  |                                                                                                       |           |              |               |     |   |
|                                                                                                                                    | ANGLES                                    |                                 |                           | ±                |                                                                                                       |           |              |               |     |   |
| MATERIAL                                                                                                                           |                                           |                                 |                           | WEIGHT           | SIZE                                                                                                  | CAGE CODE | DRAWING NO   | RESTRICTED TO |     |   |
| -                                                                                                                                  |                                           |                                 |                           | -                | A1                                                                                                    | 00779     | C4-1437567-9 | -             |     |   |
| CUSTOMER DRAWING                                                                                                                   |                                           |                                 |                           |                  | SCALE                                                                                                 | 3:1       | SHEET        | 1 of 3        | REV | C |



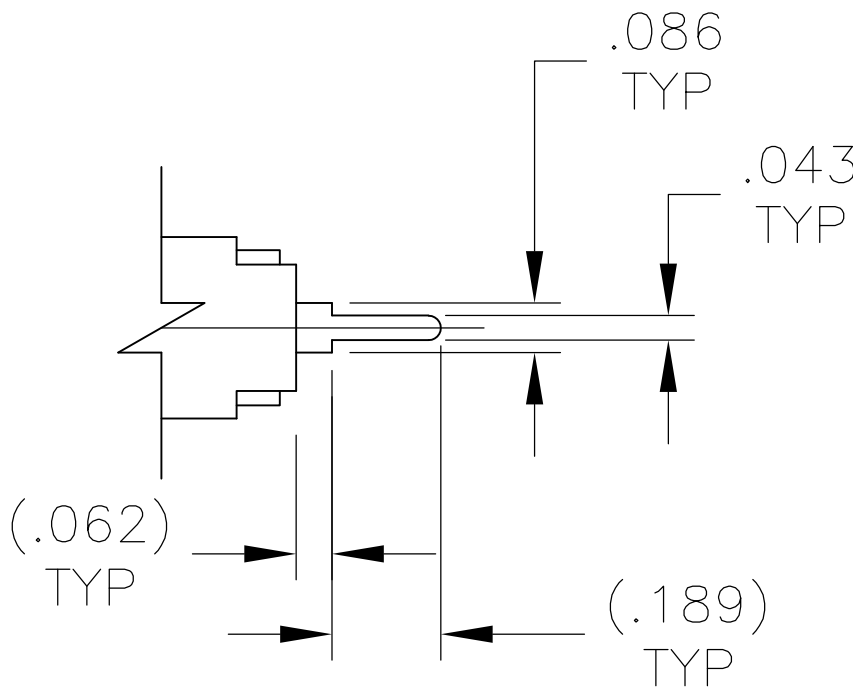
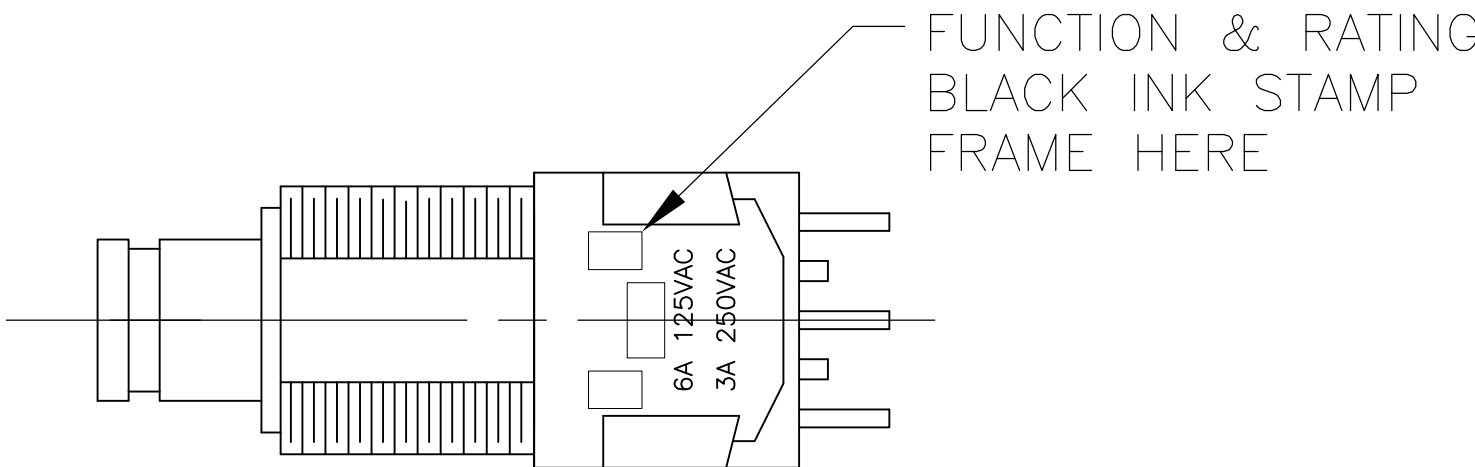
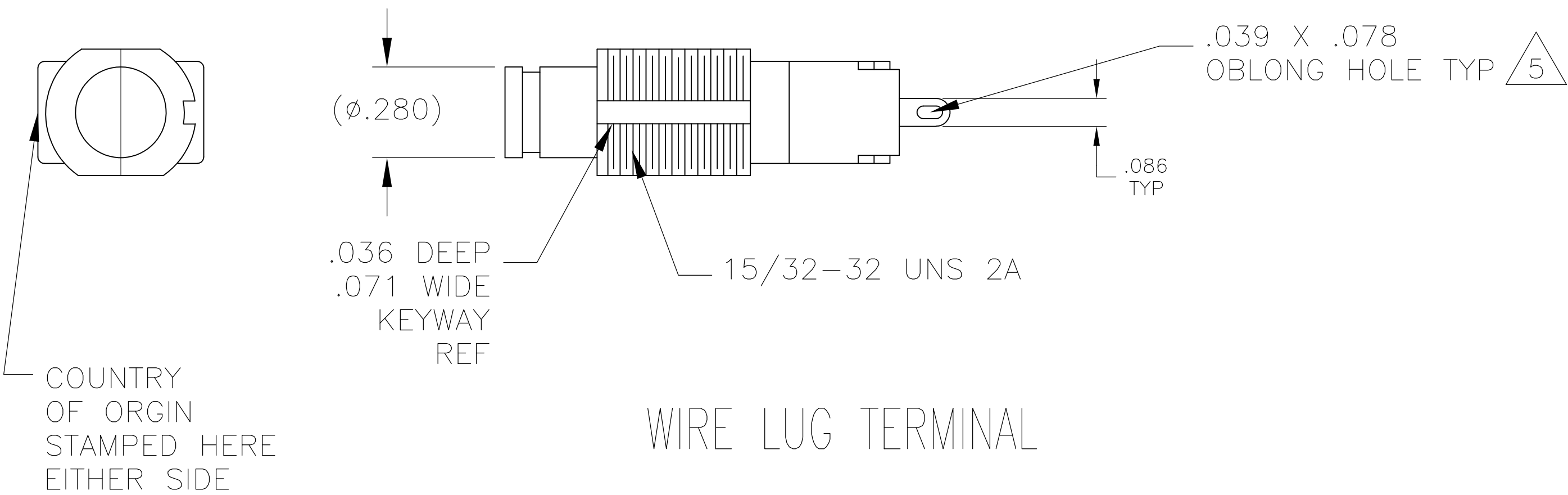
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|     |   |      |    | SEE SHEET 1 |  |      |     |



MPG-106



MPG-206

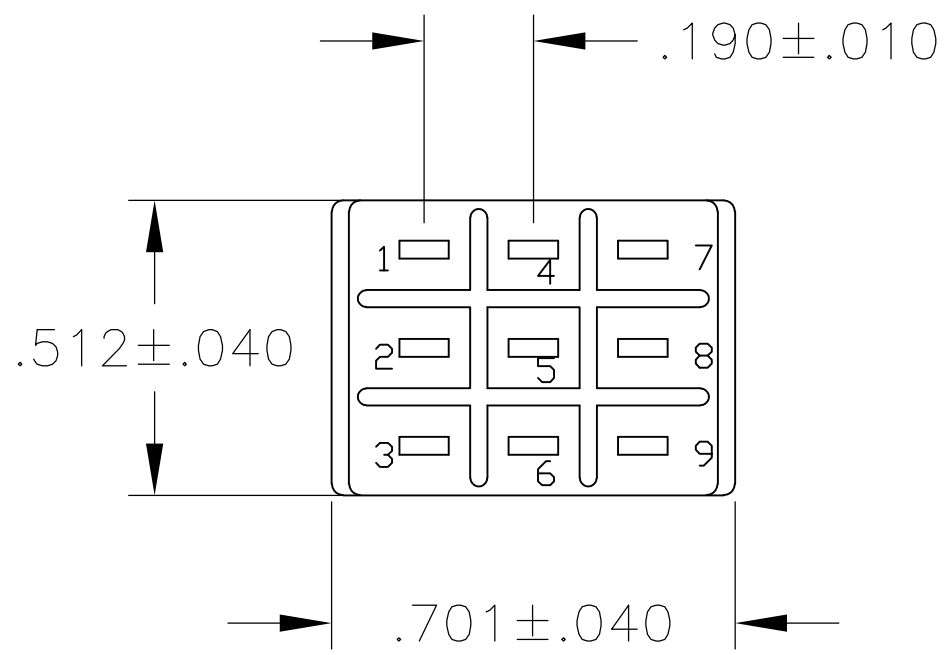
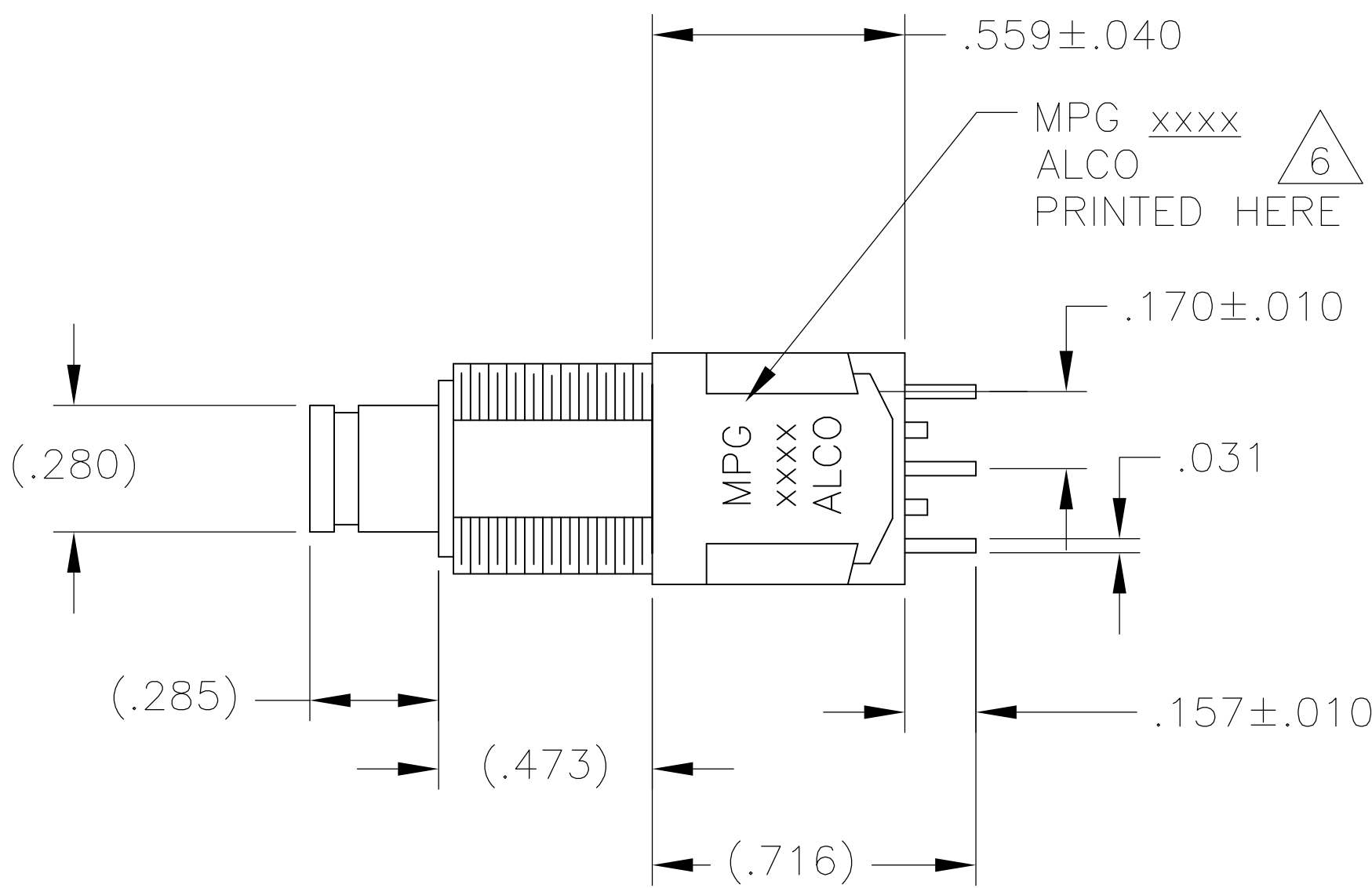


PC TERMINAL

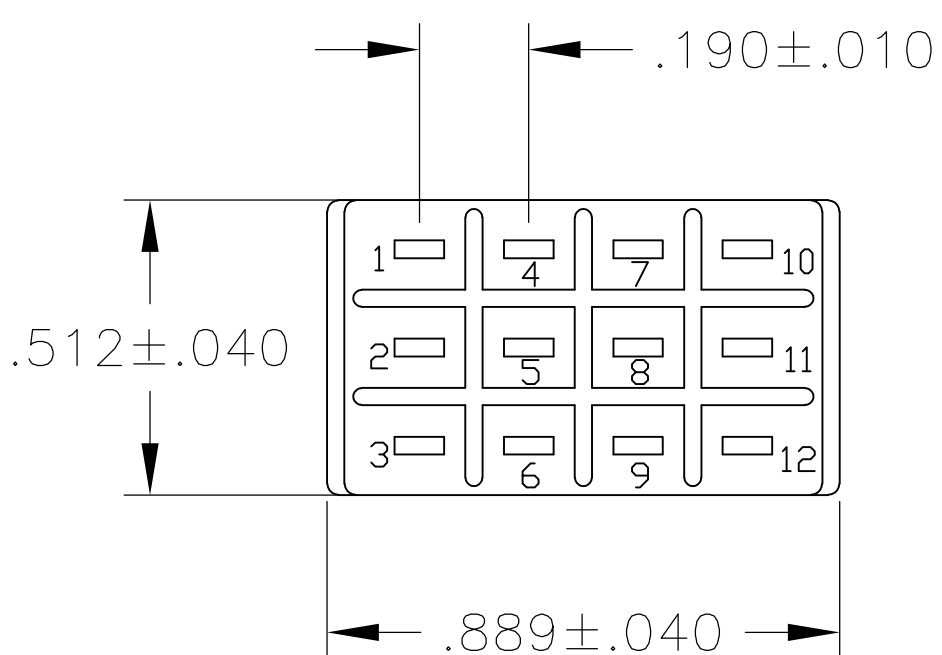
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| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | DWN<br>M. BINNER | 02MAR09 | TE Connectivity                                               |  |
| DIMENSIONS: INCHES                     |        | CHK<br>M. ZITTO  | 15NOV04 |                                                               |  |
|                                        | 0. PLC | ±                | —       | NAME<br>ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH, MPG SERIES |  |
|                                        | 1. PLC | ±                | —       |                                                               |  |
|                                        | 2. PLC | ±                | —       |                                                               |  |
|                                        | 3. PLC | ±                | .012    |                                                               |  |
| MATERIAL                               | 4. PLC | ±                | —       | SIZE<br>A1                                                    |  |
|                                        | ANGLES | ±                | —       |                                                               |  |
| FINISH                                 |        | WEIGHT           |         | CAGE CODE<br>4-1437567-9                                      |  |
| —                                      |        | —                |         | DRAWING NO<br>4-1437567-9                                     |  |
| CUSTOMER DRAWING                       |        | SCALE            |         | SHEET                                                         |  |
|                                        |        | 3:1              |         | 2 OF 3                                                        |  |
|                                        |        |                  |         | REV                                                           |  |
|                                        |        |                  |         | C3                                                            |  |



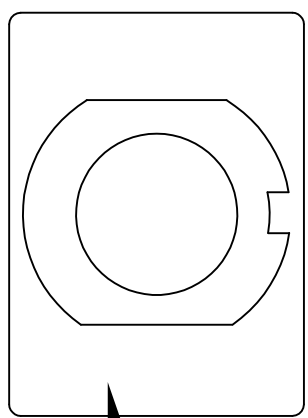
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| —   | — | P    | LTR | DESCRIPTION | DATE | DWN | APVD |  |
|     |   |      | —   | SEE SHEET 1 | —    | —   | —    |  |



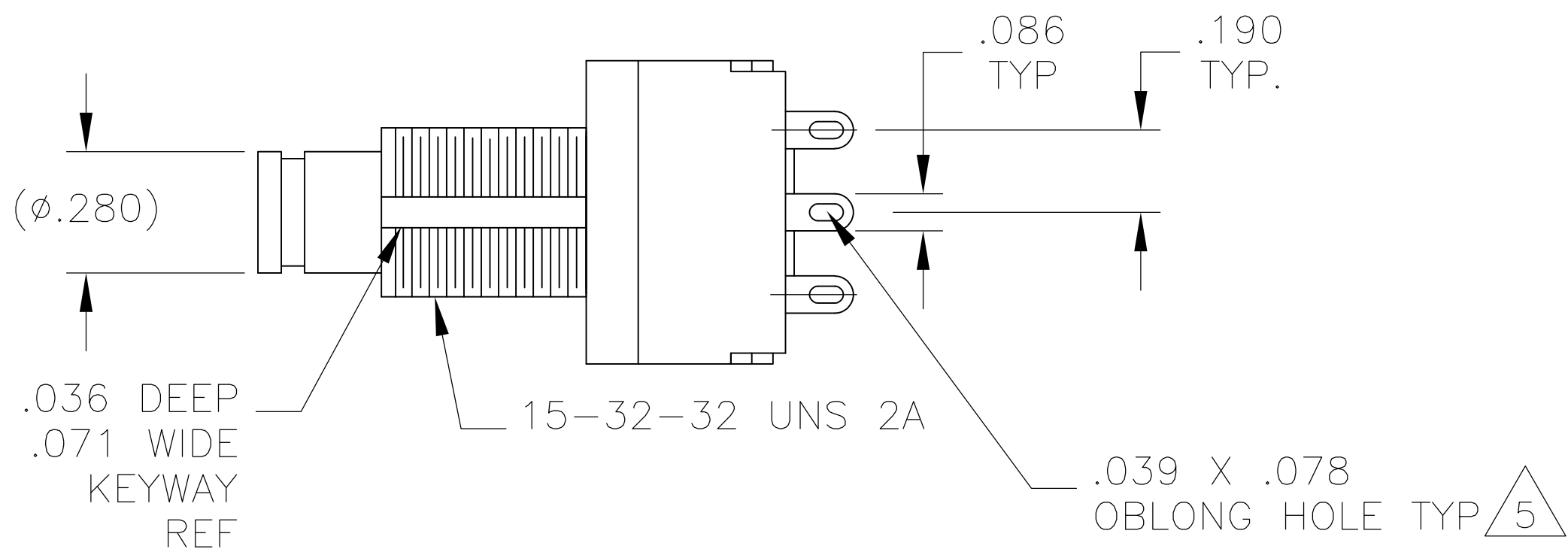
MPG-306



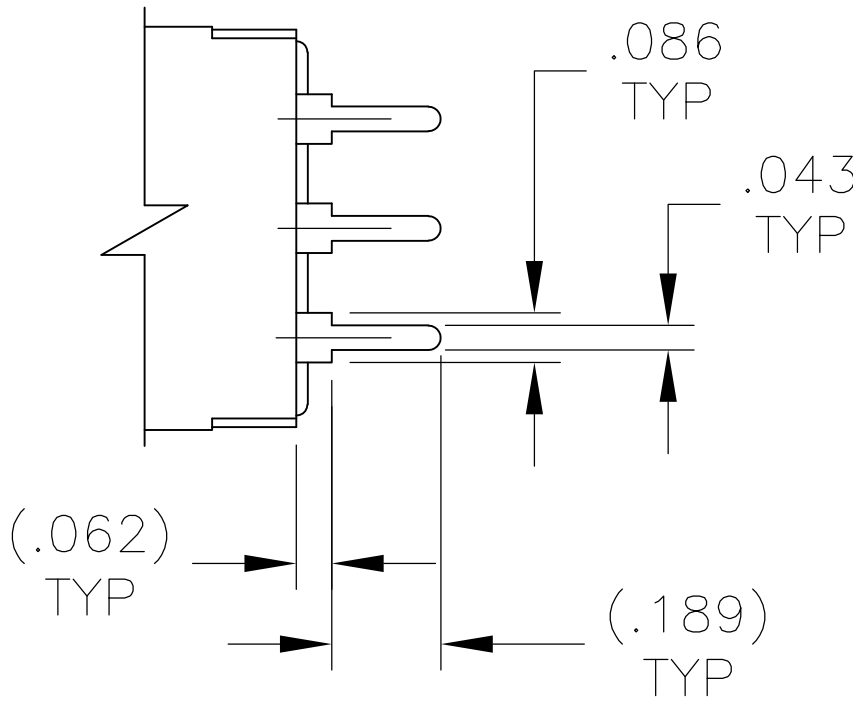
MPG-406



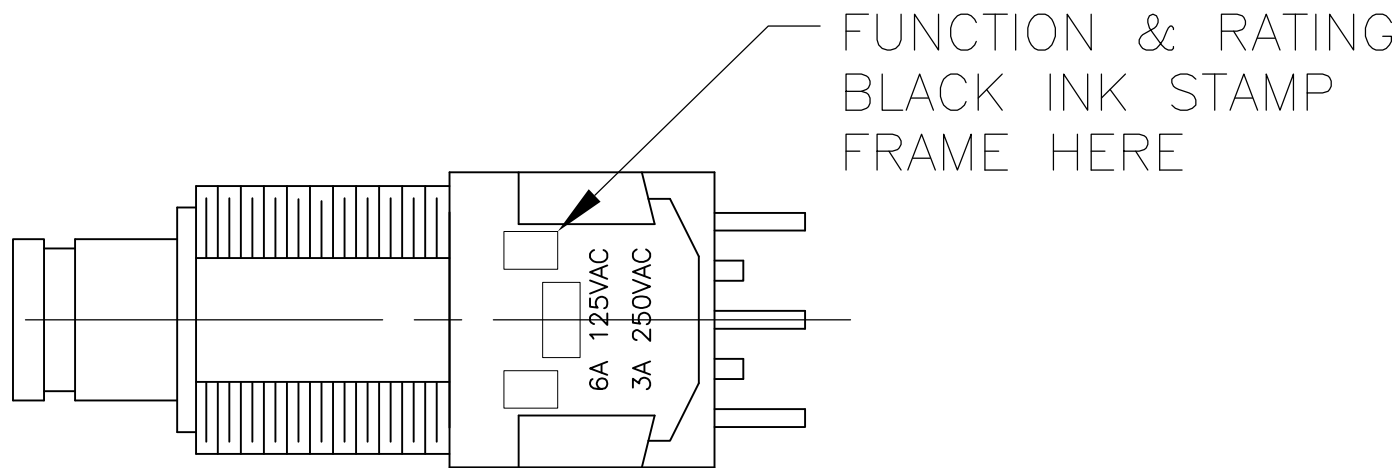
COUNTRY  
OF ORIGIN  
STAMPED HERE  
EITHER SIDE



WIRE LUG TERMINAL



PC TERMINAL



|                                                                                       |  |                                                               |                               |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN: M. BINNER<br>CHK: M. ZITTO<br>APVD: M. ZITTO             | 02MAR09<br>15NOV04<br>15NOV04 |  TE Connectivity |  |
| DIMENSIONS:<br>INCHES                                                                 |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>M. ZITTO<br>15NOV04 |                               | NAME<br>ALCOSWITCH GREEN SERIES PUSHBUTTON SWITCH,<br>MPG SERIES                                      |  |
|  |  | PRODUCT SPEC                                                  |                               | SIZE                                                                                                  |  |
|                                                                                       |  | APPLICATION SPEC                                              |                               | CAGE CODE                                                                                             |  |
|                                                                                       |  | WEIGHT                                                        |                               | DRAWING NO                                                                                            |  |
|                                                                                       |  | MATERIAL                                                      |                               | RESTRICTED TO                                                                                         |  |
| FINISH                                                                                |  | CUSTOMER DRAWING                                              |                               | SCALE 3:1                                                                                             |  |
|                                                                                       |  | A1 00779                                                      |                               | SHEET 3 OF 3                                                                                          |  |
|                                                                                       |  | C4-1437567-9                                                  |                               | REV C3                                                                                                |  |