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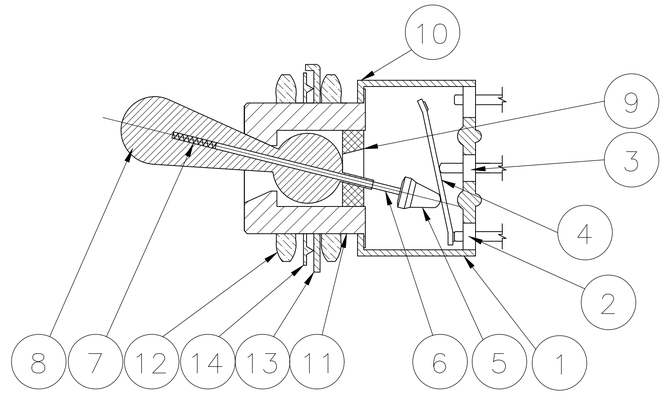
REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | D6 | ECR-18-009229 | 25SEP2018 | DHC | PO |

| No. | Component name | Base material | Finish |
|---|---|---|---|
| | Materials | | |
| 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 nuts (2) | brass | 200 microinches min. bright nickel |
| 13 | Locating ring | cold rolled steel | zinc or Nickel |
| 14 | Internal tooth lockwasher | steel | zinc or Nickel |

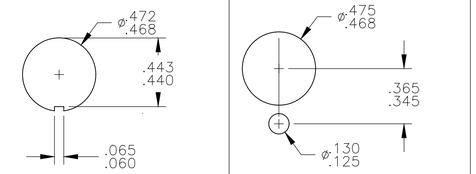



NOT TO SCALE

| 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 |

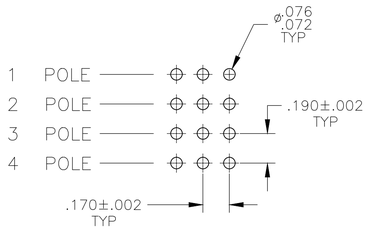
## RECOMMENDED HOLE LAYOUT

TO PREVENT ROTATION

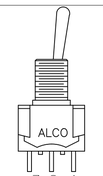
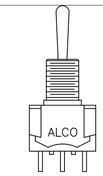
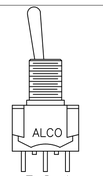



TO PREVENT ROTATION




PC BOARD LAYOUT
PC TERMINAL ONLY

| | Part Number | Alco Model | Poles | Throws | Function | Terminal | A |  |  |  | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ALCO 3 2 1 6 5 4 9 8 7 12 11 10 | ALCO 3 2 1 6 5 4 9 8 7 12 11 10 | ALCO 3 2 1 6 5 4 9 8 7 12 11 10 | |
| 7 | 3-1437559-2 | MTG406P | 4 | 2 | ON OFF ON | Wire lug | .453 | 2-3, 5-6, 8-9, 11-12 | Off | 2-1, 5-4, 8-7, 11-10 | |
| | 3-1437559-3 | MTG426N | 4 | 2 | ON ON | Wire lug | .685 | 2-3, 5-6, 8-9, 11-12 | --- | 2-1, 5-4, 8-7, 11-10 | |
| | 3-1437559-1 | MTG406N | 4 | 2 | ON ON | Wire lug | .453 | 2-3, 5-6, 8-9, 11-12 | --- | 2-1, 5-4, 8-7, 11-10 | |
| | 2-1437559-9 | MTG306E | 3 | 2 | ON OFF ON | Wire lug | .453 | 2-3, 5-6, 8-9 | Off | 2-1, 5-4, 8-7 | |
| 7 | 3-1437559-0 | MTG326D | 3 | 2 | ON ON | Wire lug | .685 | 2-3, 5-6, 8-9 | --- | 2-1, 5-4, 8-7 | |
| | 2-1437559-8 | MTG306D | 3 | 2 | ON ON | Wire lug | .453 | 2-3, 5-6, 8-9 | --- | 2-1, 5-4, 8-7 | |
| 7 | 2-1437559-7 | MTG226PA | 1 | 3 | ON ON ON | Wire lug | .685 | 5-6 | 5-3 | 5-1 | note 6 |
| 7 | 2-1437559-6 | MTG226P | 2 | 2 | ON OFF ON | Wire lug | .685 | 2-3, 5-6 | Off | 2-1, 5-4 | |
| 7 | 2-1437559-5 | MTG226N | 2 | 2 | ON ON | Wire lug | .685 | 2-3, 5-6 | --- | 2-1, 5-4 | |
| 7 | 2-1437559-4 | MTG206T | 2 | 2 | ON OFF(ON) | Wire lug | .453 | 2-3, 5-6 | Off | 2-1, 5-4 | |
| | 2-1437559-3 | MTG206S | 2 | 2 | (ON) OFF (ON) | Wire lug | .453 | 2-3, 5-6 | Off | 2-1, 5-4 | |
| 7 | 2-1437559-2 | MTG206R | 2 | 2 | ON (ON) | Wire lug | .453 | 2-3, 5-6 | --- | 2-1, 5-4 | |
| 7 | 2-1437559-1 | MTG206PA | 1 | 3 | ON ON ON | Wire lug | .453 | 5-6 | 5-3 | 5-1 | note 6 |
| | 2-1437559-0 | MTG206P | 2 | 2 | ON OFF ON | Wire lug | .453 | 2-3, 5-6 | Off | 2-1, 5-4 | |
| 7 | 1-1437559-9 | MTG206NPC | 2 | 2 | ON ON | PC | .453 | 2-3, 5-6 | --- | 2-1, 5-4 | |
| | 1-1437559-8 | MTG206N | 2 | 2 | ON ON | Wire lug | .453 | 2-3, 5-6 | --- | 2-1, 5-4 | |
| 7 | 1-1437559-0 | MTG126G | 1 | 2 | (ON) OFF (ON) | Wire lug | .685 | 2-3 | Off | 2-1 | |
| 7 | 1-1437559-7 | MTG126E | 1 | 2 | ON OFF ON | Wire lug | .685 | 2-3 | Off | 2-1 | |
| 7 | 1-1437559-6 | MTG126D | 1 | 2 | ON ON | Wire lug | .685 | 2-3 | --- | 2-1 | |
| 7 | 1-1437559-5 | MTG106H | 1 | 2 | ON OFF(ON) | Wire lug | .453 | 2-3 | Off | 2-1 | |
| | 1-1437559-4 | MTG106G | 1 | 2 | (ON) OFF (ON) | Wire lug | .453 | 2-3 | Off | 2-1 | |
| | 1-1437559-3 | MTG106F | 1 | 2 | ON (ON) | Wire lug | .453 | 2-3 | --- | 2-1 | |
| | 1-1437559-2 | MTG106E | 1 | 2 | ON OFF ON | Wire lug | .453 | 2-3 | Off | 2-1 | |
| | 1-1437559-1 | MTG106D | 1 | 2 | ON ON | Wire lug | .453 | 2-3 | --- | 2-1 | |

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

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.

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DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL -
FINISH -

DWN M.BINNER 29DEC03
CHK M.ZITTO 29DEC03
APVD M.ZITTO 29DEC03
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT

TE Connectivity Ltd.

NAME TOGGLE SWITCH, MTG SERIES
VERTICAL MOUNT
-

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1-1437559-1 | - |

CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 3 | REV D6

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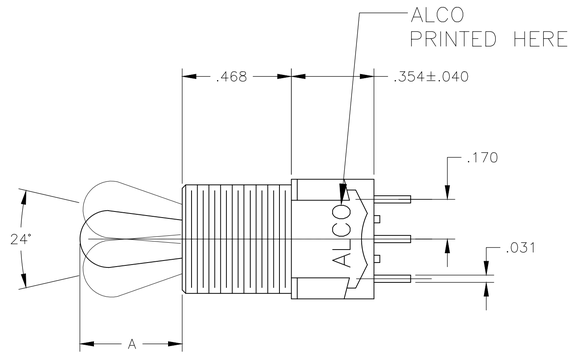
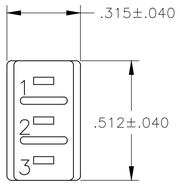
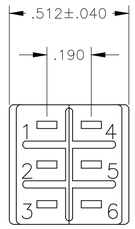
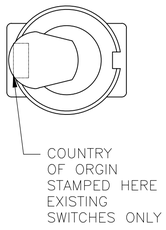
| REVISIONS | | | | | |
|---|---|---|---|---|---|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | - | SEE SHEET 1 | - | - | - |

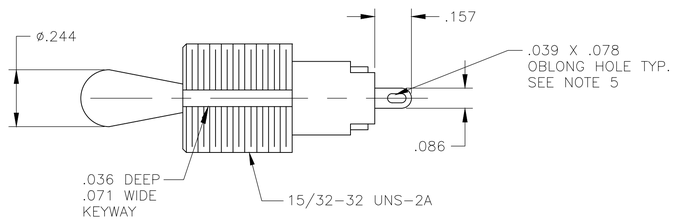


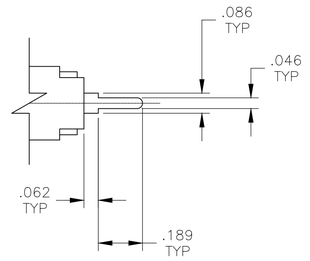




MTG-106 MTG-206

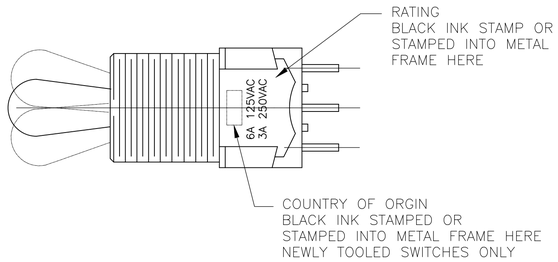



WIRE LUG TERMINAL




PC TERMINAL




| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | DWN M.RINNER 29DEC03 | TE Connectivity Ltd. | |
| DIMENSIONS: INCHES | CHK M.ZITTO 29DEC03 | NAME | TOGGLE SWITCH, MTG SERIES VERTICAL MOUNT - |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 4 PLC ± - ANGLES ± - | APVD M.ZITTO 29DEC03 | SIZE A1 | CAGE CODE 00779 DRAWING NO C-1437559-1 RESTRICTED TO - |
| MATERIAL - | PRODUCT SPEC - | SCALE 3:1 | SHEET 2 OF 3 REV D6 |
| FINISH - | APPLICATION SPEC - | | |
| | WEIGHT | CUSTOMER DRAWING | |

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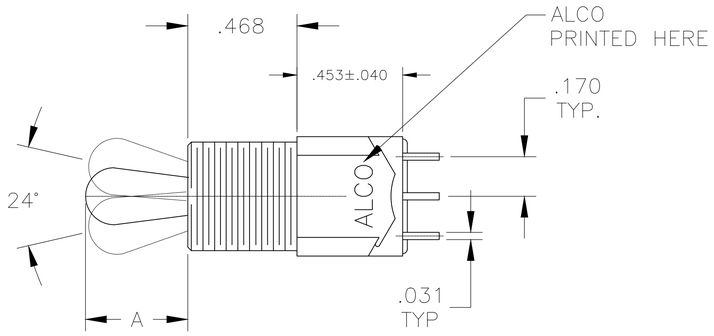
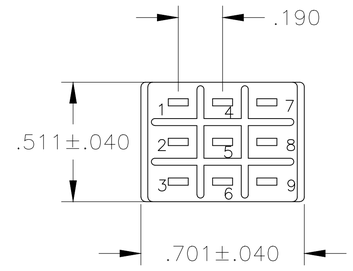
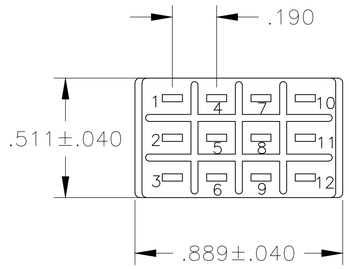
REVISIONS

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

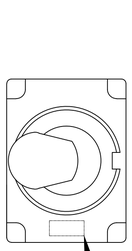


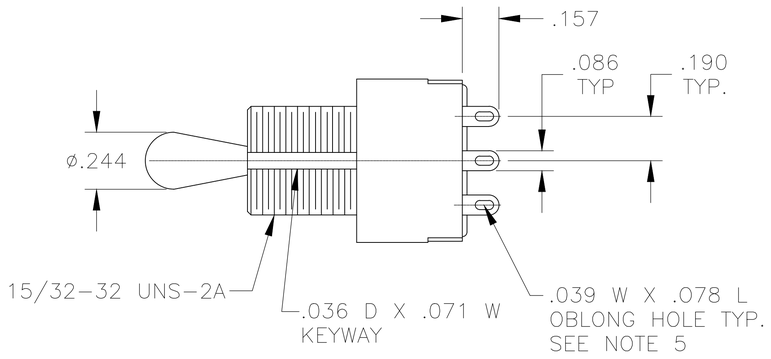

MTG-306



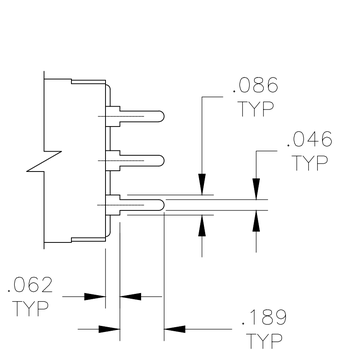

MTG-406



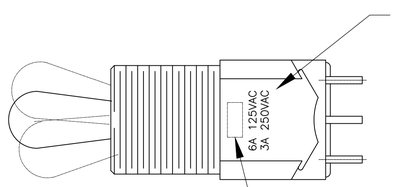
COUNTRY
OF ORGIN
STAMPED HERE
EXISTING
SWITCHES ONLY




WIRE LUG TERMINAL




PC TERMINAL




RATING
BLACK INK STAMP OR
STAMPED INTO METAL
FRAME
THIS SIDE

COUNTRY OF ORGIN
BLACK INK STAMPED OR
STAMPED INTO METAL FRAME HERE
NEWLY TOOLED SWITCHES ONLY

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005
4 PLC ± -
ANGLES ± -

MATERIAL -
FINISH -

DWN M.BINNER 29DEC03
CHK M.ZITTO 29DEC03
APVD M.ZITTO 29DEC03
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT

TE Connectivity Ltd.

NAME TOGGLE SWITCH, MTG SERIES
VERTICAL MOUNT
-

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A1 | 00779 | C-1-1437559-1 | - |

CUSTOMER DRAWING | SCALE 3:1 | SHEET 3 OF 3 | REV D6

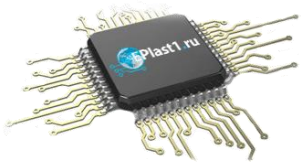
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
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