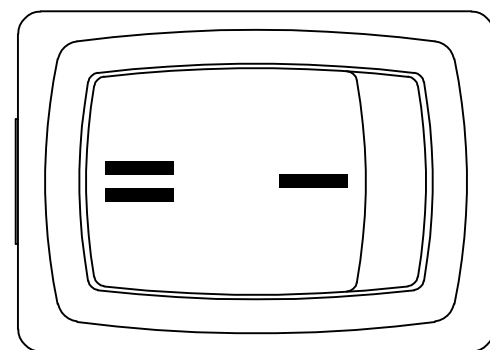
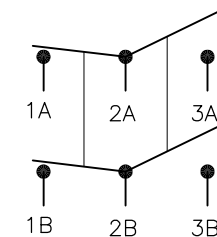


|     |      |           |     |               |         |     |      |
|-----|------|-----------|-----|---------------|---------|-----|------|
| LOC | DIST | REVISIONS |     |               |         |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION   | DATE    | DWN | APVD |
|     |      |           | A   | ECO-07-019301 | 23AUG07 | MB  | DR   |

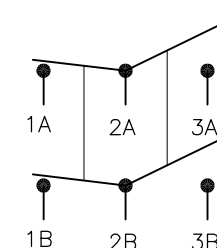


SWITCH FUNCTION D1  
CIRCUIT DIAGRAM

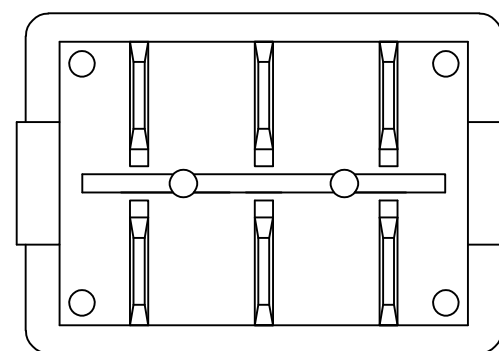
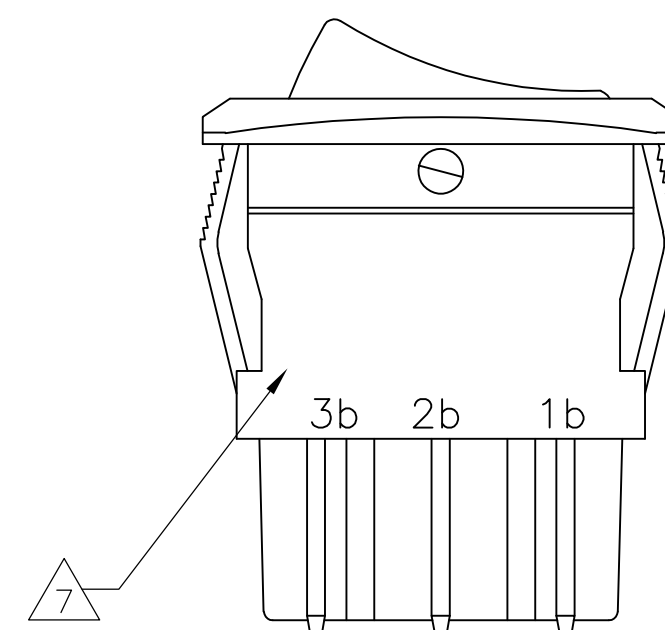
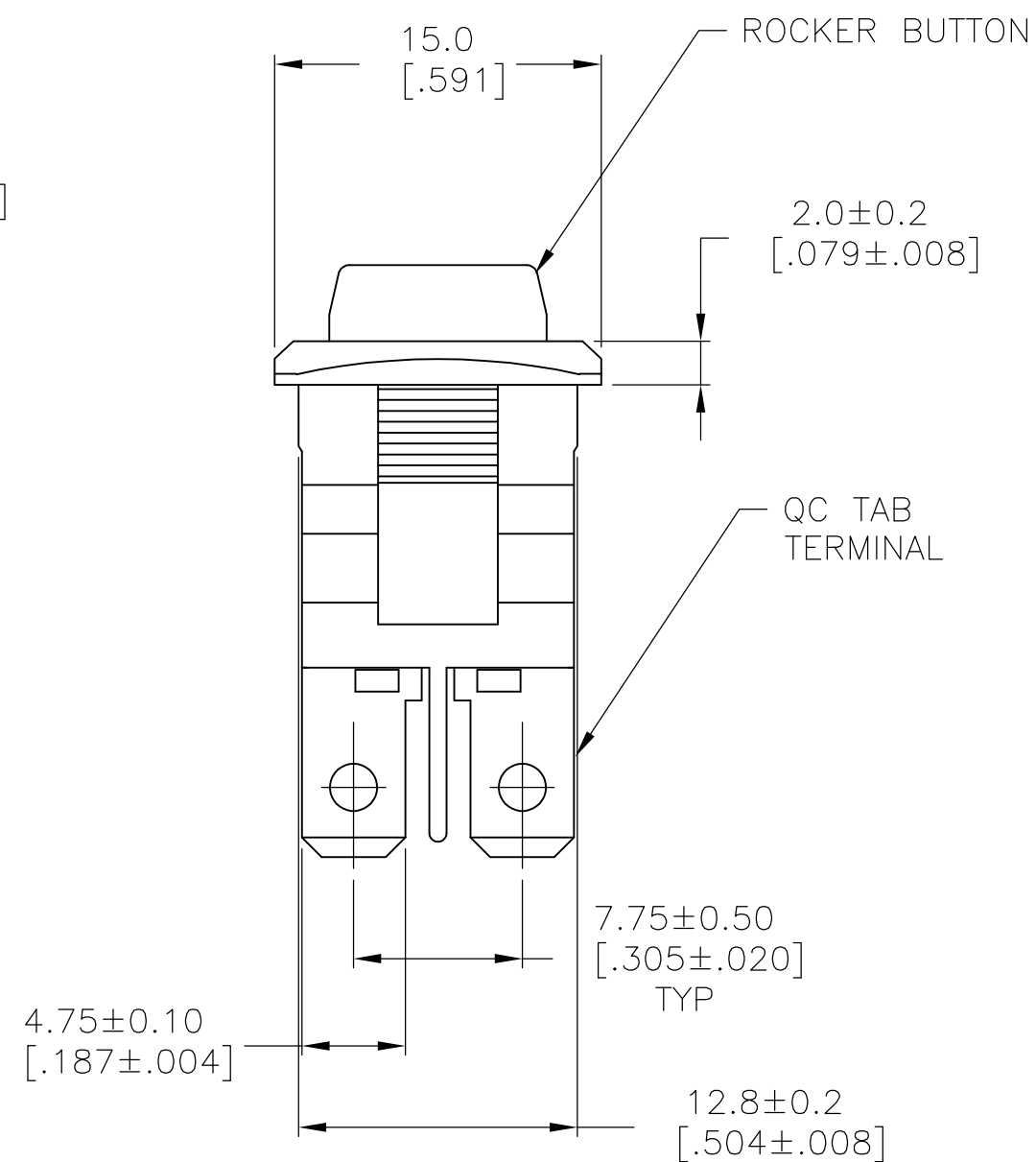
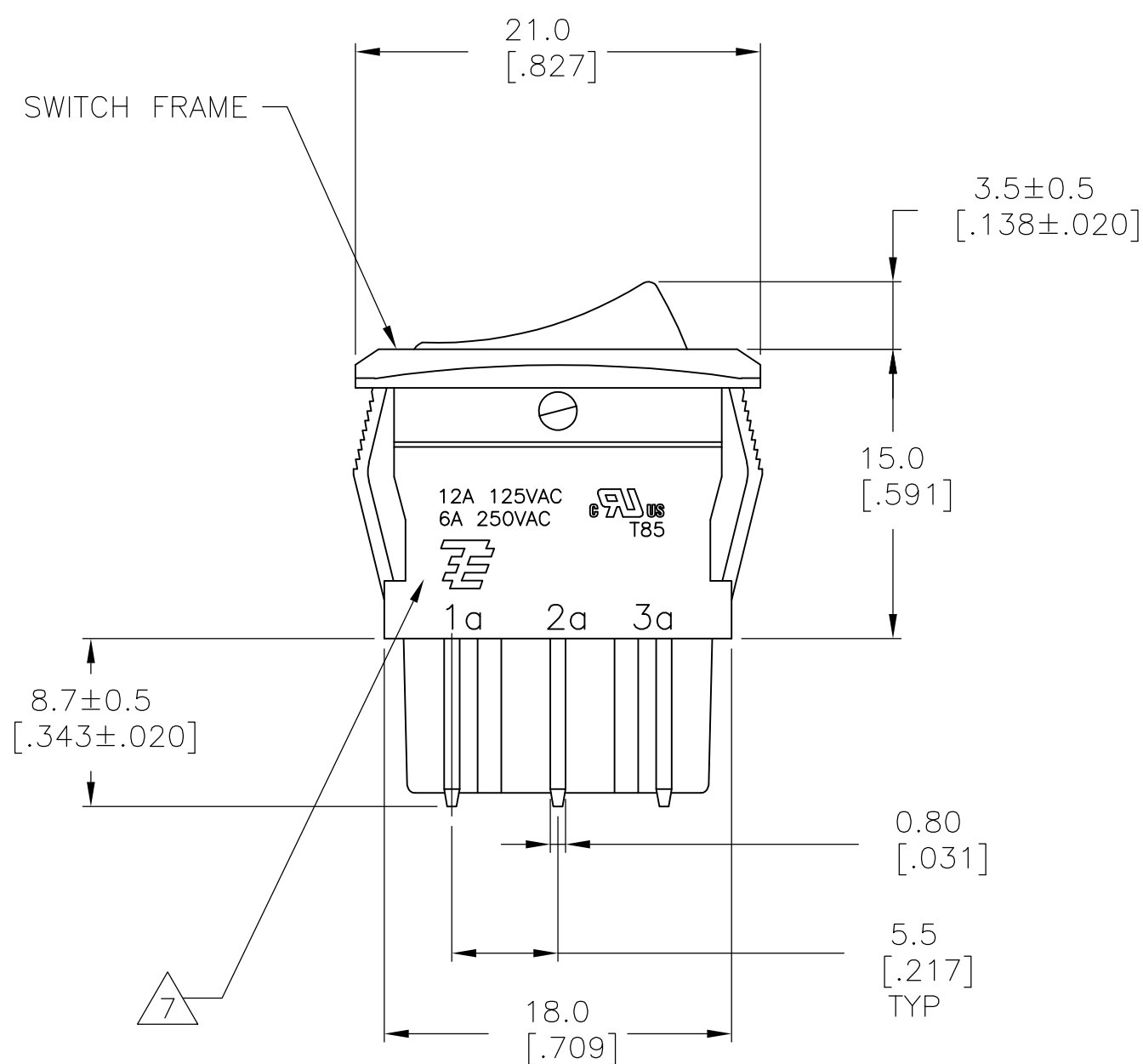
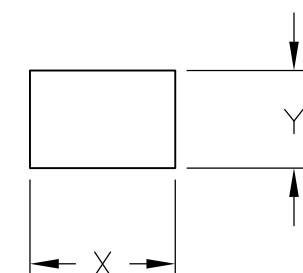


### SWITCH FUNCTION D2

#### CIRCUIT DIAGRAM



PANEL CUT OUT



1977069-2 SHOWN

|                      |                         |                         |
|----------------------|-------------------------|-------------------------|
| 2.00–4.00[.079–.158] | 19.8–0.1<br>[.780–.004] | 13.0+0.1<br>[.512+.004] |
| 1.25–2.00[.049–.079] | 19.4–0.1<br>[.764–.004] | 13.0+0.1<br>[.512+.004] |
| 0.75–1.25[.030–.049] | 19.2–0.1<br>[.756–.004] | 13.0+0.1<br>[.512+.004] |
| PANEL THICKNESS      | X                       | Y                       |

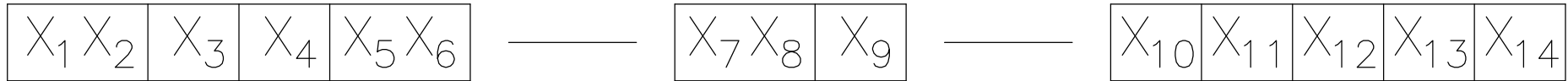
|                                                                                       |  |                                                                                       |  |                                                                                                                     |  |                                                           |              |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------|--------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN: M.BINNER<br>CHK: D.ROHDE                                                         |  | 03APR2007<br> Tyco Electronics |  | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |              |
| DIMENSIONS:<br>mm [INCHES]                                                            |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                             |  | NAME                                                                                                                |  | POWER ROCKER SWITCH, 13.0mm X 19.2mm                      |              |
|  |  | 0 PLC ± -<br>1 PLC ± 0.30[.012]<br>2 PLC ± 0.05[.002]<br>3 PLC ± -<br>4 ANGLES ± -    |  | APVD -                                                                                                              |  | PANEL CUT-OUT SIZE, DOUBLE POLE, DOUBLE THROW,            |              |
|                                                                                       |  |                                                                                       |  | PRODUCT SPEC                                                                                                        |  | SIX TERMINALS, NON-ILLUMINATED                            |              |
|                                                                                       |  |                                                                                       |  | NOT APPLICABLE                                                                                                      |  |                                                           |              |
|                                                                                       |  |                                                                                       |  | APPLICATION SPEC                                                                                                    |  |                                                           |              |
|                                                                                       |  |                                                                                       |  | NOT APPLICABLE                                                                                                      |  |                                                           |              |
| MATERIAL                                                                              |  | FINISH                                                                                |  | SIZE                                                                                                                |  | CAGE CODE                                                 | DRAWING NO   |
|  |  |  |  | WEIGHT -                                                                                                            |  | A2 00779                                                  |              |
|                                                                                       |  |                                                                                       |  |                                                                                                                     |  | C-1977069                                                 |              |
|                                                                                       |  |                                                                                       |  | CUSTOMER DRAWING                                                                                                    |  | SCALE 3:1                                                 | SHEET 1 OF 3 |
|                                                                                       |  |                                                                                       |  |                                                                                                                     |  | REV A                                                     |              |



|                                                                   |                          |       |
|-------------------------------------------------------------------|--------------------------|-------|
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|     |      |           |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| LOC | DIST | REVISIONS |     |             |      |     |      |
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |

LEGACY PART NUMBER



SWITCH TYPE: X1 X2 = PR - POWER ROCKER

SECONDARY ROCKER COLOR: X12 = Ø - NOT APPLICABLE

NOMINAL PANEL CUT OUT SIZE:  $X_3 = \underline{A} - 13.0 \times 19.2 [.512 \times .756]$

NUMBER OF POLES:  $X_4 = \underline{4}$  - DOUBLE

SWITCH FUNCTION: X5X6 =

|             |                                                      |
|-------------|------------------------------------------------------|
| <u>D1</u> : | ON-ON, WITH OPAQUE, SINGLE COLOR ROCKER BUTTON       |
| <u>D2</u> : | ON-(ON), WITH OPAQUE, SINGLE COLOR ROCKER BUTTON     |
| <u>D3</u> : | ON-OFF-ON, WITH OPAQUE, SINGLE COLOR ROCKER BUTTON   |
| <u>D4</u> : | ON-OFF-(ON), WITH OPAQUE, SINGLE COLOR ROCKER BUTTON |

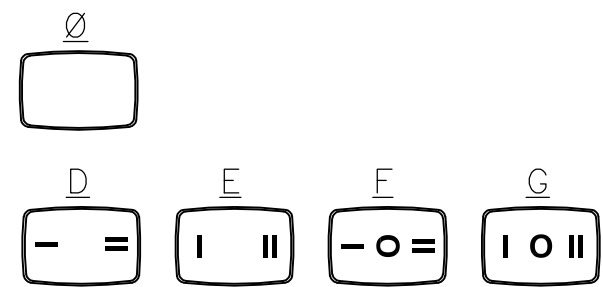
CURRENT RATING:  $X_7 X_8 = \underline{12} - \triangle 6$

LEGEND TEXT PATTERN:  $X_{13} =$

TERMINAL TYPE:  $X_9 = \underline{E} - \text{QC TAB}$

FRAME COLOR: X<sub>10</sub> = B - BLACK  
W - WHITE

ROCKER COLOR: X11 =      B — BLACK  
                                     G — GREEN  
                                     R — RED  
                                     W — WHITE



LEGEND TEXT COLOR: X<sub>14</sub> =

|          |                  |
|----------|------------------|
| <u>Ø</u> | — NOT APPLICABLE |
| <u>G</u> | — GREEN          |
| <u>R</u> | — RED            |
| <u>B</u> | — BLACK          |
| <u>W</u> | — WHITE          |

1. MATERIALS:  
 ROCKER BUTTON & HOUSING FRAME: NYLON 66, UL 94 V-2.  
 TERMINAL, ACTIVE CONTACTOR: COPPER ALLOY PER ASTM B152/B152M  
 PLUNGER: BRASS PER ASTM B036  
 SPRING: STEEL WIRE PER ASTM A228/A228M

- 6 12A@125VAC/6A@250VAC
- 7 ELECTRICAL RATINGS, APPROVED AGENCY LOGOS, TERMINAL IDENTIFICATION NUMBERS, AND THE TE LOGO MOLDED APPROXIMATELY AS SHOWN ON THE SIDES OF THE SWITCH HOUSING.
8. COMPONENT RECOGNIZED TO US & CANADIAN STANDARDS, UL FILE NO. E46765.
9. ROHS 2002/95/EC COMPLIANT.

2. FINISH:  
PLUNGER: 1.02μm[.000040]MIN NICKEL
3. ELECTRICAL SPECIFICATIONS:  
CURRENT AND VOLTAGE: 6  
CONTACT RESISTANCE: (INITIAL): <100mΩ  
DIELECTRIC STRENGTH (INITIAL): >1000 VAC, 1 MINUTE  
INSULATION RESISTANCE (INITIAL): >100MΩ (500 VDC BETWEEN OPEN CONTACTS)  
ELECTRICAL LIFE ENDURANCE: >6000 OPERATIONS, VOLTAGE DROP: <100mV  
TEMPERATURE RISE AT TERMINALS: <30°C, 6000 OPERATIONS  
(AMBIENT CONDITIONS: 25±2°C AND 65±5%R.H)
4. MECHANICAL SPECIFICATIONS:  
ACTUATING FORCE: 400g MIN, 1400g MAX  
OPERATING LIFE ENDURANCE: >100,000 OPERATIONS  
TERMINAL RETENTION FORCE: >6.8kg— QC TAB
5. ENVIRONMENTAL SPECIFICATIONS:  
AMBIENT TEMPERATURE: -20°C TO +85°C  
HUMIDITY: MAX 85%  
SALT SPRAY: NO REMARKABLE RUST ON METAL PARTS  
(5% SALT/ 35°C, 24HRS)  
SHOCK: NO MECHANICAL DEFECT OR DAMAGE  
(500G 11MSEC / X,Y,Z, 3 TIMES)

|              |                       |             |
|--------------|-----------------------|-------------|
| 2            | PRADD4-12F-BB0GW      | 1-1977069-2 |
| 2            | PRADD4-12F-BB0FW      | 1-1977069-1 |
| 2            | PRADD4-12F-BB000      | 1-1977069-0 |
| 1            | PRADD2-12F-BB0EW      | 1977069-9   |
| 1            | PRADD2-12F-BB0DW      | 1977069-8   |
| 1            | PRADD2-12F-BB000      | 1977069-7   |
| 2            | PRADD3-12F-BB0GW      | 1977069-6   |
| 2            | PRADD3-12F-BB0FW      | 1977069-5   |
| 2            | PRADD3-12F-BB000      | 1977069-4   |
| 1            | PRADD1-12F-BB0EW      | 1977069-3   |
| 1            | PRADD1-12F-BB0DW      | 1977069-2   |
| 1            | PRADD1-12F-BB000      | 1977069-1   |
| SHEET<br>REF | LEGACY PART<br>NUMBER | PART NUMBER |

|                                        |                                                                                               |                  |           |                                                                                                                                     |                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------|------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                               | DWN<br>M.BINNER  | 03APR2007 | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608                                                                           |                    |
| DIMENSIONS:<br>mm [INCHES]             | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                        | CHK<br>D.ROHDE   | -         | NAME<br><br>POWER ROCKER SWITCH, 13.0mm X 19.2mm<br>PANEL CUT-OUT SIZE, DOUBLE POLE,DOUBLE THROW,<br>SIX TERMINALS, NON-ILLUMINATED |                    |
|                                        |                                                                                               | APVD             | -         |                                                                                                                                     |                    |
|                                        |                                                                                               | PRODUCT SPEC     |           |                                                                                                                                     |                    |
|                                        |                                                                                               | NOT APPLICABLE   |           |                                                                                                                                     |                    |
|                                        | 0 PLC ± -<br>1 PLC ± 0.30[.012]<br>2 PLC ± 0.05[.002]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± ± | APPLICATION SPEC |           |                                                                                                                                     |                    |
| MATERIAL                               | FINISH                                                                                        | WEIGHT -         |           | SIZE<br>A2                                                                                                                          | CAGE CODE<br>00779 |
|                                        |                                                                                               |                  |           | DRAWING NO<br>C-1977069                                                                                                             |                    |
| CUSTOMER DRAWING                       |                                                                                               |                  |           | SCALE<br>3:1                                                                                                                        | SHEET<br>3 OF 3    |
|                                        |                                                                                               |                  |           | REV<br>A                                                                                                                            |                    |