

RECOMMENDED HOLE LAYOUT  
TOLERANCE  $\pm .002$  UNLESS  
OTHERWISE NOTED

|     |              |
|-----|--------------|
| (*) | BUTTON COLOR |
| 0   | BLACK        |
| 2   | RED          |
| 6   | BLUE         |

SPECIFICATIONS:

MATERIALS:

CASE: HIGH TEMPERATURE POLYESTER, UL 94V-0

ACTUATOR BUTTON: THERMOPLASTIC, COLORS: SEE CHART BELOW

MOVING CONTACT: COPPER ALLOY, GOLD PLATED

FIXED CONTACT: COPPER ALLOY, GOLD PLATED

TERMINALS: COPPER ALLOY, TIN LEAD PLATED

TERMINAL SEAL: SP EPOXY

DP EPOXY OPTIONAL

ELECTRICAL:

CONTACT RATING: GOLD=0.4VA MAX. @20VDC OR PEAK AC

INITIAL CONTACT RESISTANCE: 20 MILLIOHMS MAX.

INSULATION RESISTANCE: 1,000 MEGOHMS @500VDC MIN

DIELECTRIC STRENGTH: 1,000VAC @SEA LEVEL

LIFE EXPECTANCY: GOLD: 1 POLE = 100,000 CYCLES

2 POLES = 80,000 CYCLES

MECHANICAL:

ACTUATION FORCE: 50 TO 400g

ACTUATION TRAVEL: .030 APPROX.

ENVIRONMENTAL:

OPERATING TEMPERATURE: -22°F TO +149°F (-30°C TO +65°C)

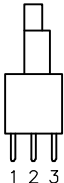
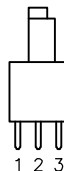
STORAGE TEMPERATURE:  $-22^{\circ}\text{F}$  TO  $+149^{\circ}\text{F}$  ( $-30^{\circ}\text{C}$  TO  $+65^{\circ}\text{C}$ )

NOTES:

1. INTERPRET DRAWING PER ASME Y14.5M-1994



2. SUPPLIED WITH MOUNTING HARDWARE.

 SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE.

| TERMINALS CONNECTED WITH<br>BUTTON IN POSITIONS SHOWN |   |   |
|---|---|---|
| MODEL NO.   | FLAT<br> | FLAT<br> |
| TPC11CG—RA (*)  | OFF   | 1—3 (MOM)   |
| TPC11FG—RA (*)  | 2—1   | 2—3 (MOM)   |

NOTE:  
 TERMINAL DESIGNATION NUMBERS ARE FOR  
 REFERENCE ONLY AND DO NOT APPEAR ON  
 SWITCHES

AUGAT D/N 40046

|   |  |   |  |                  |  |   |  |
|---|--|---|--|------------------|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>R. WINGROVE                        |  | 10NOV80          |  |  Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608 |  |
|   |  | CHK<br>B. BUCKHEIT                        |  | 11NOV80          |  |   |  |
| DIMENSIONS:<br>INCHES   |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | APVD<br>RD       |  | NAME<br><br>PUSH BUTTON SWITCH<br>TPC11*G-RA(*)   |  |
|  |  | 0 PLC ± -                                 |  | PRODUCT SPEC     |  |   |  |
|   |  | 1 PLC ± -                                 |  | —                |  |   |  |
|   |  | 2 PLC ± -                                 |  | APPLICATION SPEC |  | SIZE<br>A2  |  |
|   |  | 3 PLC ± .010                              |  | —                |  |   |  |
|   |  | 4 PLC ± -                                 |  | WEIGHT           |  | CAGE CODE   |  |
|   |  | ANGLES ± .1°                              |  | —                |  | DRAWING NO  |  |
| MATERIAL  |  | FINISH                                    |  | —                |  | RESTRICTED TO   |  |
| SEE SPECIFICATIONS  |  | SEE SPECIFICATIONS                        |  | —                |  | —   |  |
| CUSTOMER DRAWING  |  |   |  |                  |  | SCALE 4:1   |  |
|   |  |   |  |                  |  | SHEET 1 OF 1  |  |
|   |  |   |  |                  |  | REV R   |  |

# Mouser Electronics

Authorized Distributor

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[TPC11CGRA0](#)