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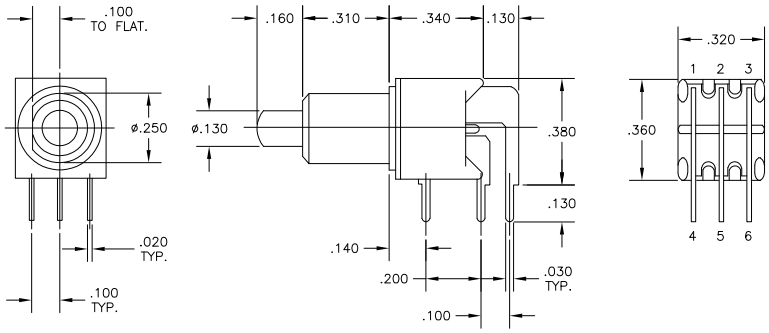
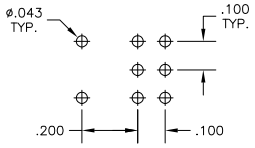
LOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	ECO 06 000585	10AUG06	BSV	MZ





RECOMMENDED HOLE LAYOUT
TOLERANCE ±.002 UNLESS
OTHERWISE NOTED.

2 SPECIFICATIONS:

MATERIALS:
CASE: HIGH TEMPERATURE POLYESTER, UL 94V–0.
ACTUATOR BUTTON: THERMOPLASTIC. COLORS: SEE CHART BELOW.
MOVING CONTACT: COPPER ALLOY, GOLD OVER NICKEL PLATE.
FIXED CONTACT: COPPER ALLOY, GOLD OVER NICKEL PLATE.
TERMINAL: COPPER ALLOY, TIN–LEAD PLATE.
TERMINAL SEAL: SP EPOXY.
DP EPOXY. OPTIONAL.

ELECTRICAL:
CONTACT RATING: 0.4 VA MAX. @ 20 VDC OR PEAK AC.
INITIAL CONTACT RESISTANCE: 20 MILLIOHMS MAX.
INSULATION RESISTANCE: 1000 MEGHAOHMS @ 500 VDC MIN.
DIELECTRIC STRENGTH: 1.000 VOLTS RMS @ SEA LEVEL.
LIFE EXPECTANCY: GOLD: 1 POLE = 100,000 CYCLES.
2 POLES = 80,000 CYCLES.

MECHANICAL:
ACTUATION FORCE: 50 TO 400 GRAMS.
ACTUATION TRAVEL: .030" APPROX.

ENVIRNAMENTAL:
OPERATING TEMPARATURE: –22°F TO +149°F (–30°C TO +65°C)
STORAGE TEMPRATURE –22°F TO +149°F (–30°C TO +65°C).

2 NOTES:

1 INTERPRET DRAWING PER ANSI Y14.5M–1994.

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

TPD21MG–RA(*)	DPST	NONE	(1–3).(4–6)
TPD21RG–RA(*)	DPDT	1–2–4–5	(2–3).(5–6)
MODEL NO.	TYPE		
TERMINAL CONNECTED WHEN PLUNGER IS IN POSITION SHOWN.			
TERMINAL DESIGNATION NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR IN THE SWITCHES.			
( ) – INDICATES MOMENTARY			
NO CENTER TERMINAL ON "M" ACTION SWITCH.			

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .010
4 PLC ± –
ANGLES ± 1°

MATERIAL: SEE SPECIFICATIONS
FINISH: SEE SPECIFICATIONS

DWN J.A.R. 05AUG87
CHK C.M.M. 10AUG87
APVD T.S. 13AUG87
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT –

Tyco Electronics Corporation
Harrisburg, Pa 17105–3608

NAME: SWITCH PUSH BUTTON TPD21*G–RA(*)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C–6–1437572–2	–

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 1 | REV B

6–1437572–2

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