

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
AD	00		B	ECO-06-000585	10AUG06	BSV	MZ

SPECIFICATIONS:

MATERIALS:
CASE: HIGH TEMPERATURE POLYSTER,UL 94V-0.
ACTUATOR BUTTON:THERMOPLASTIC. COLOR: SEE CHART BELOW.
MOVING CONTACT: COPPER ALLOY. GOLD PLATED OVER NICKEL.
FIXED CONTACT: COPPER ALLOY. GOLD PLATED OVER NICKEL.
TERMINALS: COPPER ALLOY.TIN LEAD PLATED.
TERMINAL SEAL: SP EPOXY.
DP EPOXY OPTIONAL.

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

MECHANICAL:
ACTUATION FORCE: 50 TO 400g.
ACTUATION TRAVEL: .030 APPROX.

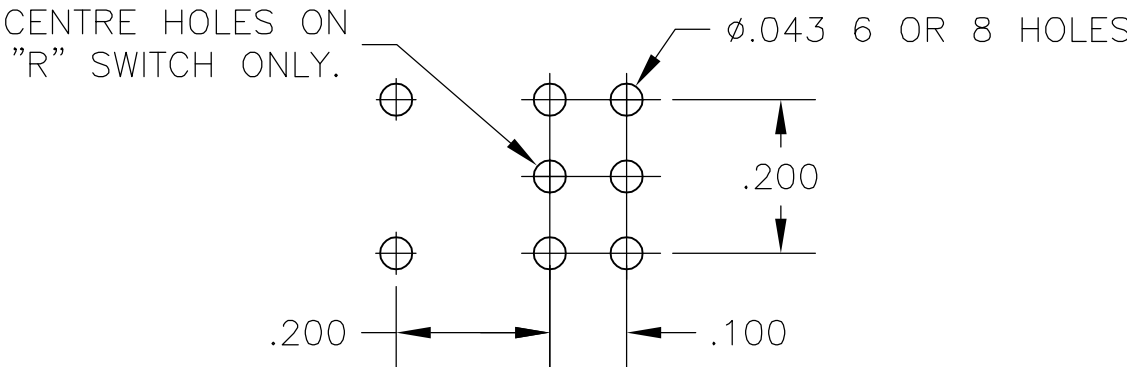
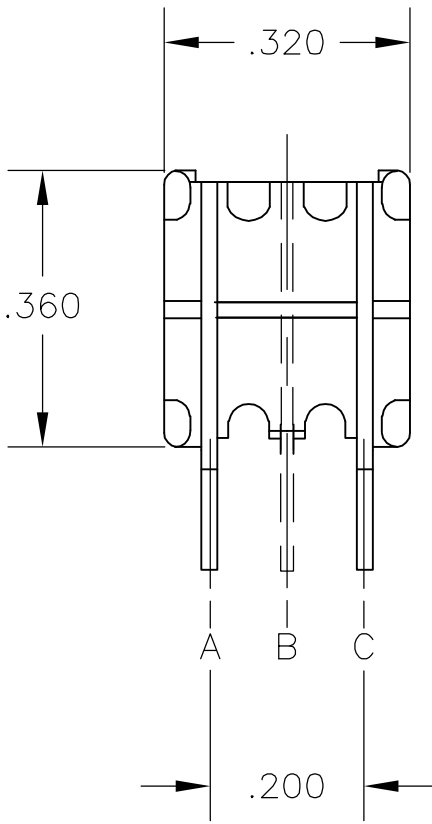
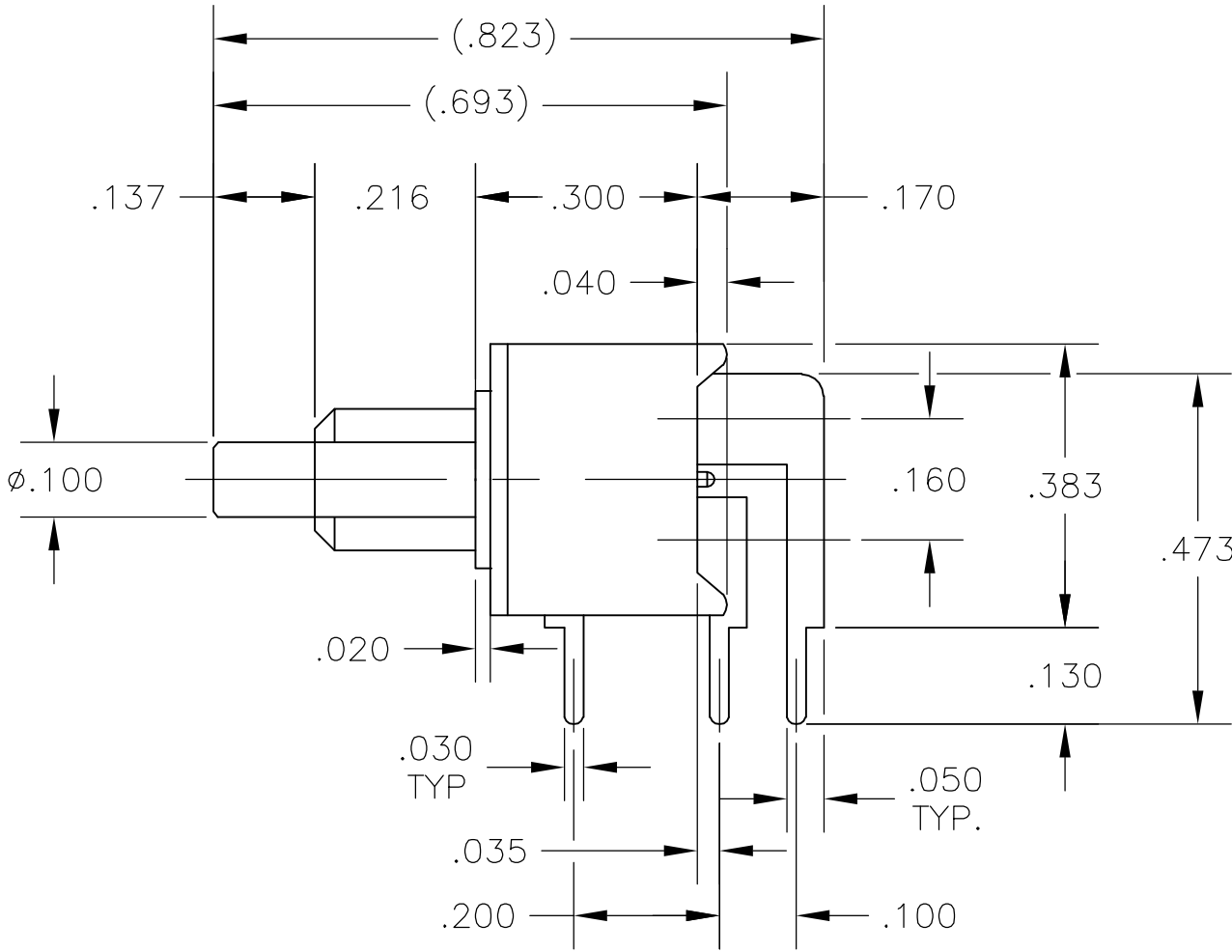
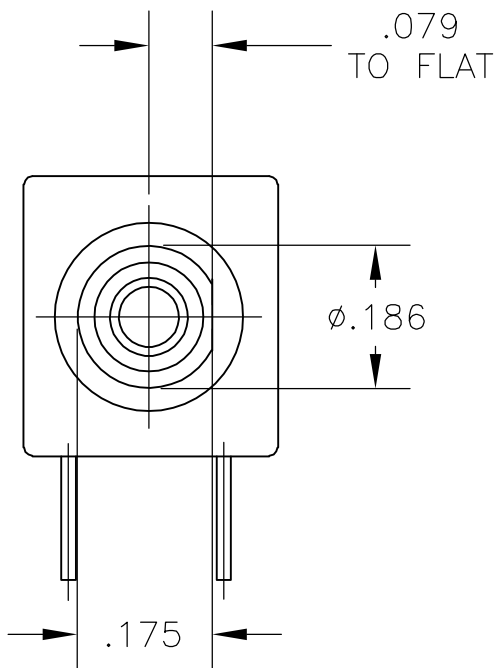
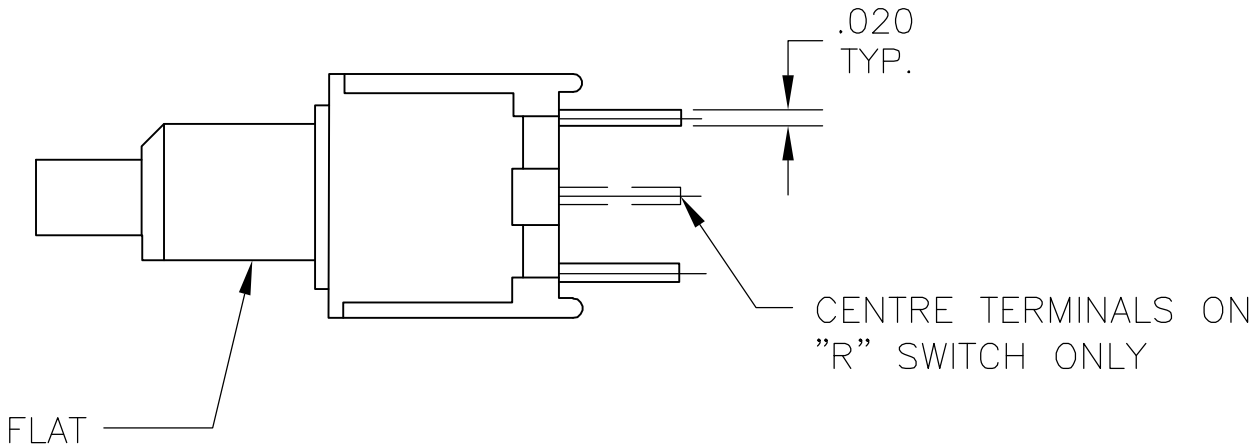
ENVIRONMENTAL:
OPERATING TEMPERATURE: -22°F TO +149°F (-30°C TO +65°C).
STORAGE TEMPERATURE: -22°F TO +149°F (-30°C TO +65°C).

NOTES:

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

(*)	SPECIFY COLORS BUTTON
0	BLACK
2	RED
6	BLUE

CONTACTS			
MODEL NO	ACTION	FREE BUTTONS	DEPRESSED BUTTON
TPB21MG-RA(*)	DPST NORMALLY OPEN	NONE	A TO C
TPB21RG-RA(*)	DPDT MOMENTARY	B TO A	B TO C (MOM)



RECOMMENDED HOLE LAYOUT
TOLERANCE ±.002 UNLESS OTHERWISE NOTED

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ED.R	11FEB86	tyco Electronics		Tyco Electronics Corporation Harrisburg, Pa 17105-3608		
		CHK J.S	13FEB86					
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD S.D.C	18FEB86	NAME SUBMINATURE PUSHBUTTON SWITCH TPB21MG/RG-RA(*)				
	0 PLC ± -	PRODUCT SPEC						SIZE CAGE CODE DRAWING NO RESTRICTED TO
	1 PLC ± -	—						
	2 PLC ± -	APPLICATION SPEC						
	3 PLC ± .010	—						
4 PLC ± -	ANGLES ± 1°	—		A200779C-8-1437571-6				
MATERIAL	FINISH	WEIGHT —						—
SEE SPECIFICATIONS	SEE SPECIFICATIONS	CUSTOMER DRAWING		SCALE 4:1		SHEET 1 of 1		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[8-1437571-1](#)