



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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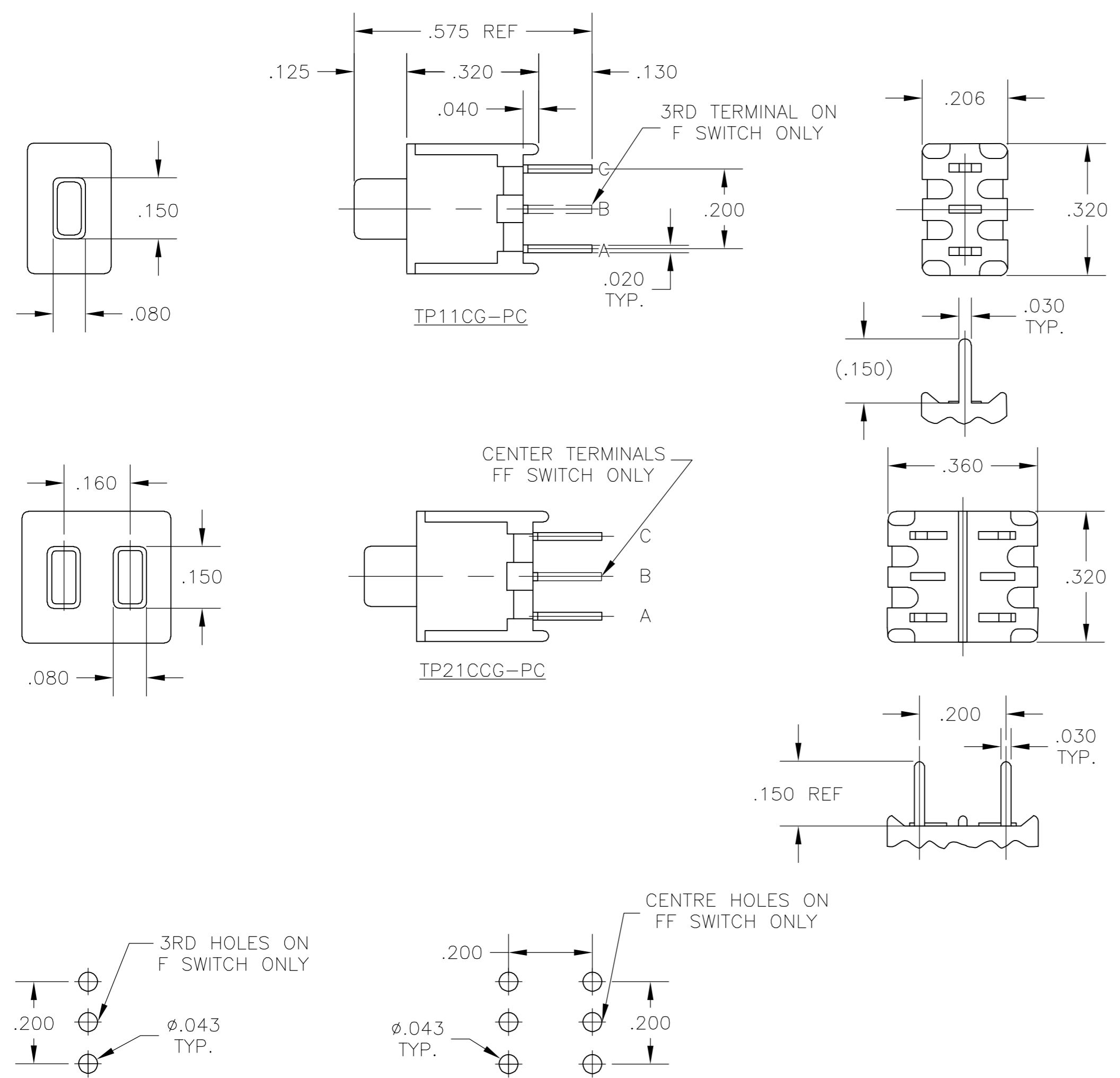
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LOC		DIST		REVISIONS			
AD	OO	P	LTR	DESCRIPTION	DATE	DWN	APVD
		B		ECO-06-000585	08AUG06	BSV	MK



2 SPECIFICATIONS:

MATERIALS:
 CASE : HIGH TEMPERATURE PLOYSTER UL 94V-0.
 ACTUATOR BUTTON : THERMOPLASTIC.COLORS: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=0.4VA MAX.@ 20 VDC OR PEAK AC.
 INITIAL CONTACT RESISTANCE : 20 MILLIOHMS MAX.
 INSULATION RESISTANCE : 1.000MEGHOHMS @ 500VDC MIN.
 DIELECTRIC STRENGTH : 1.000VAC @ SEALEVEL.
 LIFE EXPECTANCY:GOLD : 1 POLES=100,000CYCLES.
 2 POLES=80,000 CYCLES.

MECHANICAL:
 ACTUATION FORCE : TP11CG-PC.TP21CCG-PC : 9oz(.26kg)
 TP11FG-PC.TP21FFG-PC : 12oz(0.34kg)
 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)

2 NOTES:
 1. INTERPRET DRAWING PER ASME Y14.5M-1994.

(*)	COLORS
0	BLACK
2	RED
6	BLUE

SP DP

RECOMMENDED HOLE LAYOUT
 TOLERANCE ±.002 UNLESS
 OTHERWISE MENTIONED

		CONTACTS	
MODEL NUMBER	MODEL NUMBER	FREE BUTTONS	DEPPRESSED BUTTONS
TP11CG-PC(*) SPST	TP21CCG-PC(*) 2 X SPST	NONE	A TO C
TP11FG-PC(*) SPDT	TP21FFG-PC(*) 2 X SPDT	B TO A	B TO C

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	B.BUCKHEIT	16AUG77
CHK	B.B	16NOV78
APVD	-	-
PRODUCT SPEC	-	-
APPLICATION SPEC	-	-
WEIGHT	-	-
CUSTOMER DRAWING	SCALE 4:1	SHEET 1 of 1

tyco Electronics Tyco Electronics Corporation
 Harrisburg, PA 17105-3608

NAME: PUSH BUTTON SWITCH
 TP11CG/FG-PC(*) AND TP21CCG/FFG-PC(*)

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 1437571-4 RESTRICTED TO: -

REV: B

1437571-4