

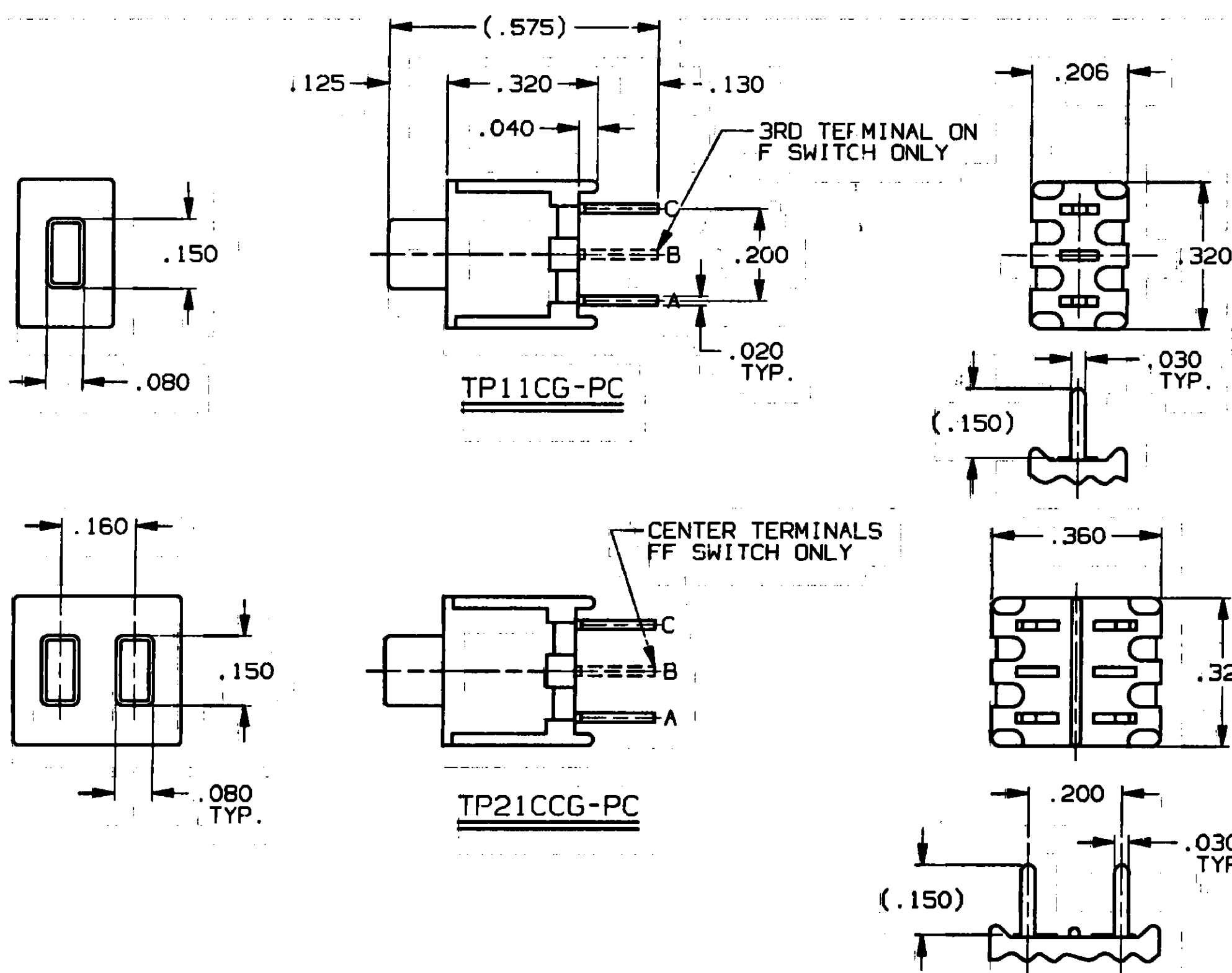
4

3

2

1

CONVERSION CHART	
INCH	MM
.002	0.05
.010	0.25
.020	0.51
.030	0.76
.040	1.02
.043	1.09
.080	2.03
.125	3.18
.130	3.30
.150	3.81
.160	4.06
.200	5.08
.206	5.23
.320	8.13
.360	9.14
.575	14.61



SPECIFICATIONS:

MATERIALS:
CASE: HIGH TEMPERATURE POLYESTER, 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.
TERMINALS 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 MEGOHMS @ 500 VDC MIN.
DIELECTRIC STRENGTH: 1,000 VAC @ SEA LEVEL.
LIFE EXPECTANCY: GOLD: 1 POLE = 100,000 CYCLES
2 POLES = 80,000 CYCLES.

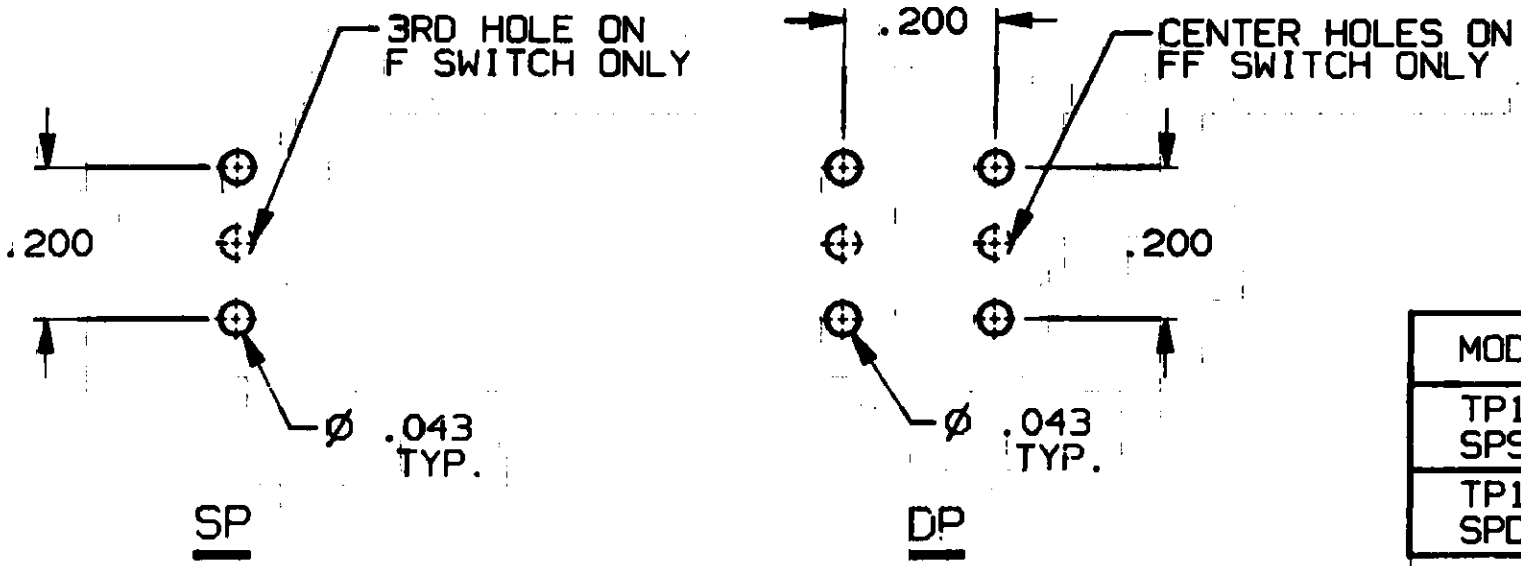
MECHANICAL:
ACTUATION FORCE: TP11CG-PC, TP21CCG-PC: 9 oz. (.26 Kg)
TP11FG-PC, TP21FFG-PC: 12 oz. (.34 Kg).
ACTUATION TRAVEL: .030 APPROX.

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 ASME Y14.5M-1994.

(*)	COLOR
0	BLACK
2	RED
6	BLUE



RECOMMENDED HOLE LAYOUT
TOLERANCE ± .002 UNLESS OTHERWISE NOTED

MODEL NUMBER	MODEL NUMBER	ACTION	CONTACTS	
			FREE BUTTON	DEPRESSED BUTTON
TP11CG-PC(*) SPST	TP21CCG-PC(*) 2 X SPST	NORMALLY OPEN	NONE	A TO C
TP11FG-PC(*) SPDT	TP21FFG-PC(*) 2 X SPDT	MOMENTARY	B TO A	B TO C (MOM)

2

SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT NOTICE

AUGAT D/N 40133

THIS IS A C.A.D. GENERATED DRAWING. DO NOT MAKE MANUAL REVISIONS TO MASTER.

REV	A
REVISIONS	0G3C-0173-02

<p>THIRD ANGLE PROJECTION</p>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT	ORIGINAL DATE OF DRAWING: 8-16-77
	TOLERANCES (EXCEPT AS NOTED) ANGULAR = ±1° DECIMAL .XX = ±.010 DECIMAL .XXX = ±.010 DECIMAL .XXXX = ±.010	DRAWN: B. BUCKHEIT DATE: 8-16-77
AUGAT CONFIDENTIAL This document contains information which is the exclusive property of Augat Inc. Distribution, reproduction or use by others is not permitted without the expressed written consent of Augat Inc.	MATERIAL: SEE SPECIFICATIONS	CHECKED: B.B. DATE: 11-16-78
	FINISH: SEE SPECIFICATIONS	APPROVED:
		CODE IDENT. NO. 91506 DWG. SIZE C
		NEXT ASSY:

tyco Electronics	
TITLE: CUSTOMER DRAWING PUSHBUTTON SWITCH TP11CG/FG-PC(*) AND TP21CCG/FFG-PC(*)	
DWG. NO. 1437571-4	REV. A
PRODUCT CODE: B51	SCALE: SHEET 1 OF 1