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LOC	DIST	REVISIONS							
AD	00	P	LTR	DESCRIPTION			DATE	DWN	AP'D
			A	REVISED PER ECO-05-004372			12-5-05	HMR	-

MATERIALS

MATERIALS		
COMPONENT NAME	BASE MATERIAL	FINISH
CASE	LCP, BLACK, UL94 V-0	
TERMINAL, WIRE LUG (GOLD)	BRASS	GOLD OVER NICKEL
TERMINAL, PC & RA (GOLD)	BRASS	GOLD OVER NICKEL IN CONTACT AREA, TIN OVER NICKEL IN SOLDER AREA
TERMINAL, VRA (GOLD)	BRASS	GOLD OVER NICKEL IN CONTACT AREA, TIN OVER NICKEL IN SOLDER AREA
TERMINAL, WIRE LUG (SILVER)	SILVER CLAD COPPER	SILVER OVER NICKEL
TERMINAL, PC (SILVER)	SILVER CLAD COPPER	SILVER OVER NICKEL
CONTACT (GOLD)	COPPER ALLOY OR BRASS	GOLD OVER NICKEL
CONTACT (SILVER)	SILVER CLAD COPPER OR COPPER	SILVER OVER NICKEL
FRAME	STEEL	TIN OVER COPPER
SPRING	MUSIC WIRE	
PLUNGER BUTTON	NYLON 6/6, BLACK, RED OR BLUE, UL94 HB (EXTENDED) OR UL94V-2 (FLUSH)	
SUPPORT BRACKET (RA*ES VERSIONS ONLY)	BRASS	TIN OVER COPPER
SUPPORT BRACKET VRA (B&C BUSHINGS ONLY)	STEEL	TIN OVER COPPER
BUSHING	BRASS	NICKLE OVER COPPER
MOUNTING NUT	BRASS	NICKEL
LOCKWASHER	STEEL	NICKEL
ES HOUSING	NYLON 6/6, NATURAL, UL94 V-2	
ES BOOT	VINYL PLASTISOL, BLACK	

PART NUMBER MATRIX

PART NUMBER MATRIX									04
MODEL	ACTUATOR	POLES	RATING	FUNCTION	PLATING	TERMINATIONS	PROCESS SEAL	BUTTON COLOR	
TPC	BLANK=EXTENDED	1	1=GOLD .4VA	C=SPST MOMENTARY	G=GOLD	BLANK=WIRE LUG	ES=PROCESS SEALED	0=BLACK	
	F=FLUSH	2	3=SILVER 1 AMP ²	F=SPDT MOMENTARY	BLANK=SILVER ²	PC=PRINTED CIRCUIT		2=RED	
				M=DPST MOMENTARY		RA=RIGHT ANGLE		6=BLUE	
				R=DPDT MOMENTARY		VRA=VERTICAL RIGHT ANGLE			
NOTES:									
1. AVAILABLE WITH B & C BUSHINGS ONLY									
2. SILVER ONLY AVAILABLE IN WIRE LUG AND PC TERMINATIONS									
3. RAES AVAILABLE WITH B & C BUSHING ONLY									
4. VRA ONLY AVAILABLE IN SINGLE POLE									

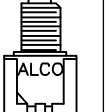
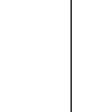
SPECIFICATIONS

SPECIFICATIONS	
RATING	GOLD: .4VA MAX. @ 20VDC OR PEAK AS RESISTIVE SILVER: 1A @ 125VAC OR 28 VDC RESISTIVE
INITIAL TERMINATION RESISTANCE	20 MIIIOHMS MAX.
INSULATION RESISTANCE	1,000 MEGOHMS MIN @ 500 VDC
DIELECTRIC STRENGTH	1,000 VOLTS RMS AT SEA LEVEL
TIMING	BREAK BEFORE MAKE
PLUNGER TRAVEL	.030
ACTION FORCE	50 TO 400 GRAMS
LIFE EXPECTANCY	.4 VA, 1 POLE: 100,000
	.4 VA, 2 POLES: 80,000
	1 A, 1 POLE: 60,000
	1 A, 2 POLES: 50,000
OPERATING TEMPERATURE	-30°C TO +65°C
STORAGE TEMPERATURE	-30°C TO +65°C
TERMINAL SEAL	SINGLE POLE: EPOXY
	DOUBLE POLE: EPOXY OPTIONAL

NOTES:

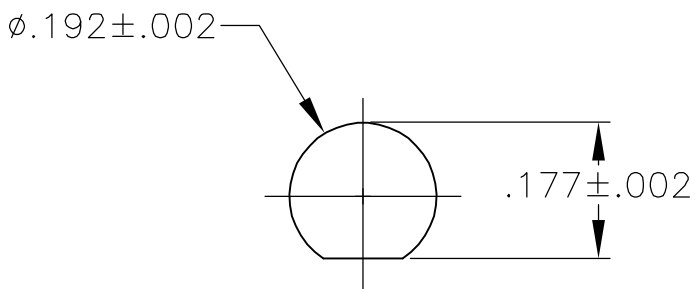
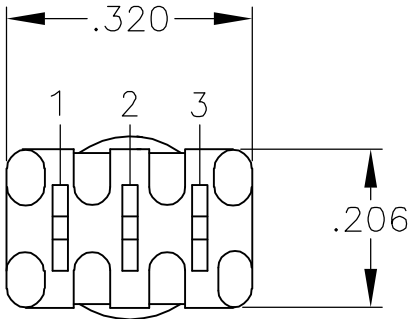
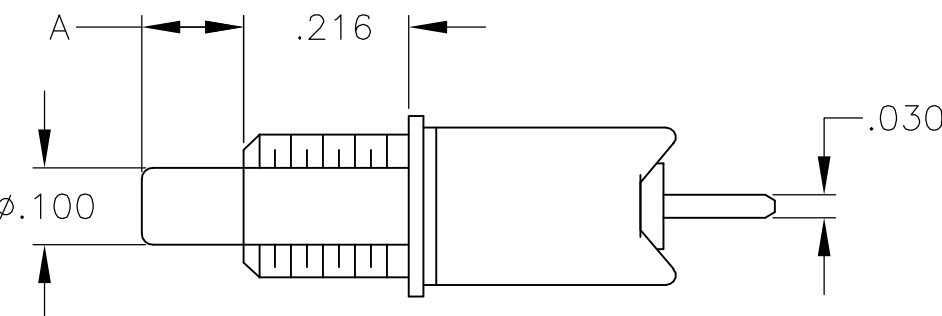
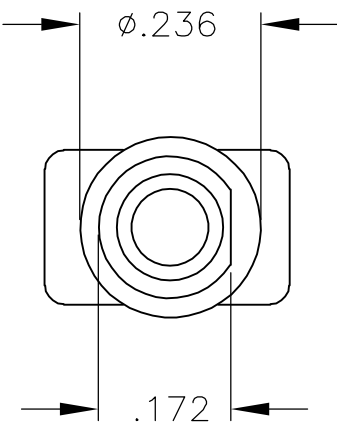
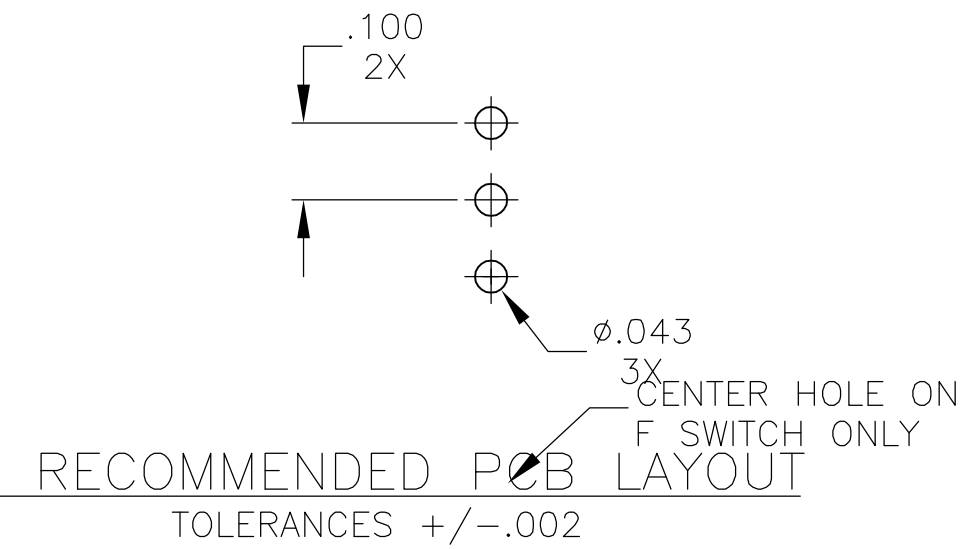
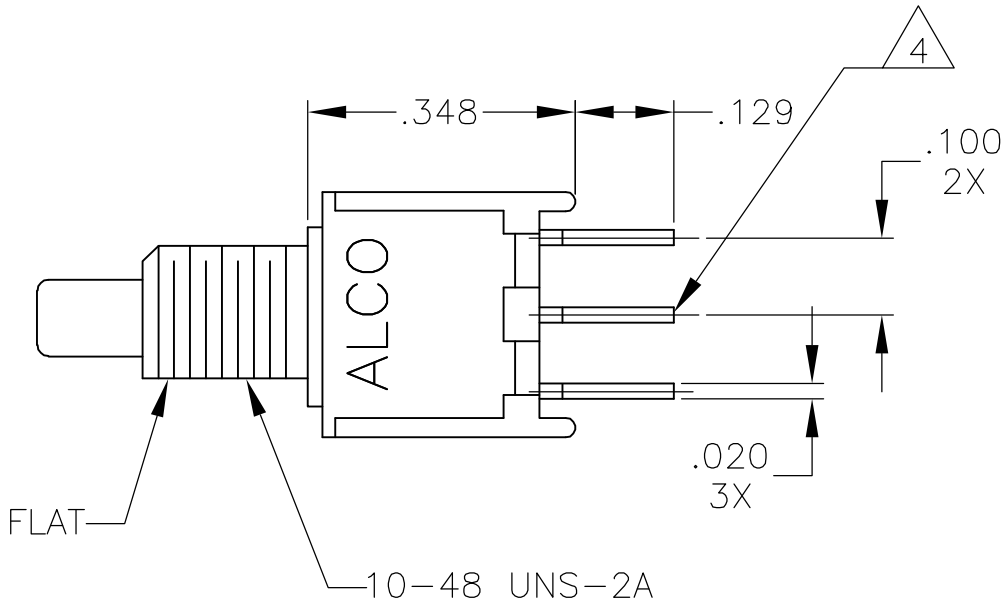
1. TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON SWITCHES
2. ALL MATERIALS AND FINISHES COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
3. DISPOSABLE BOOT SUPPLIED WITH ES VERSIONS. BOOT TO BE PLACED OVER BUSHING BEFORE SOLDER WASHING

4 CENTER TERMINAL PRESENT ON DOUBLE THROW SWITCHES ONLY.

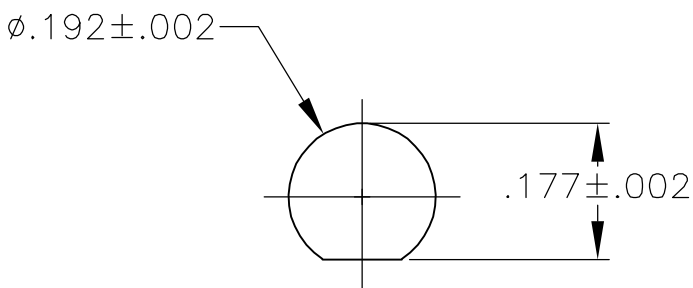
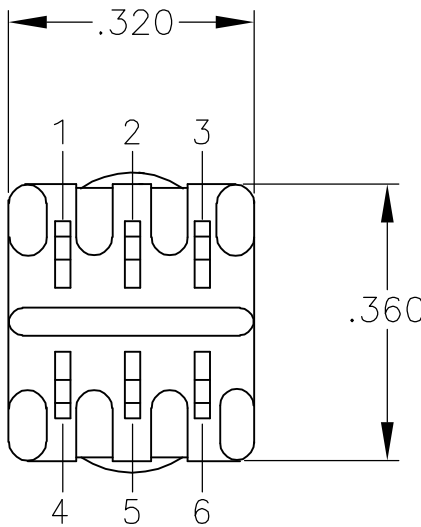
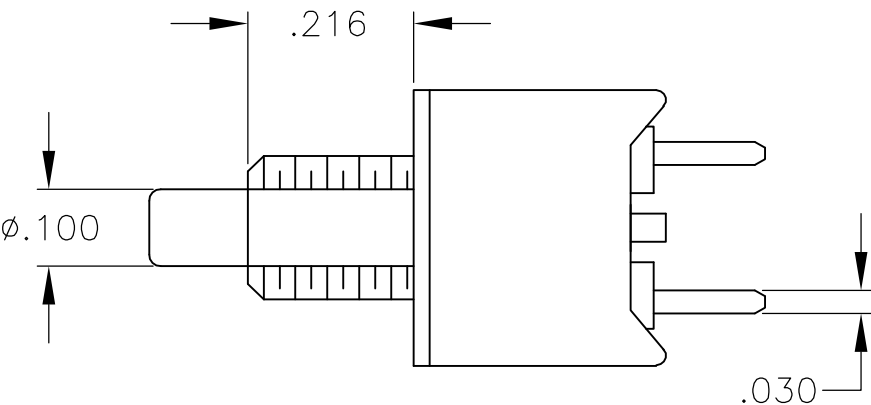
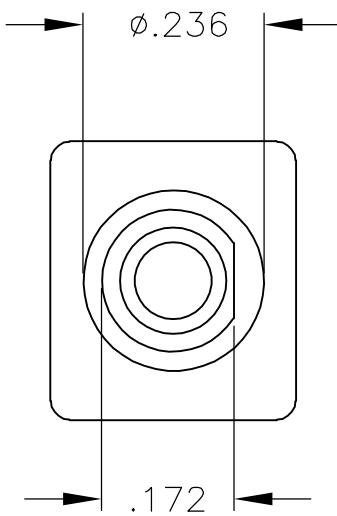
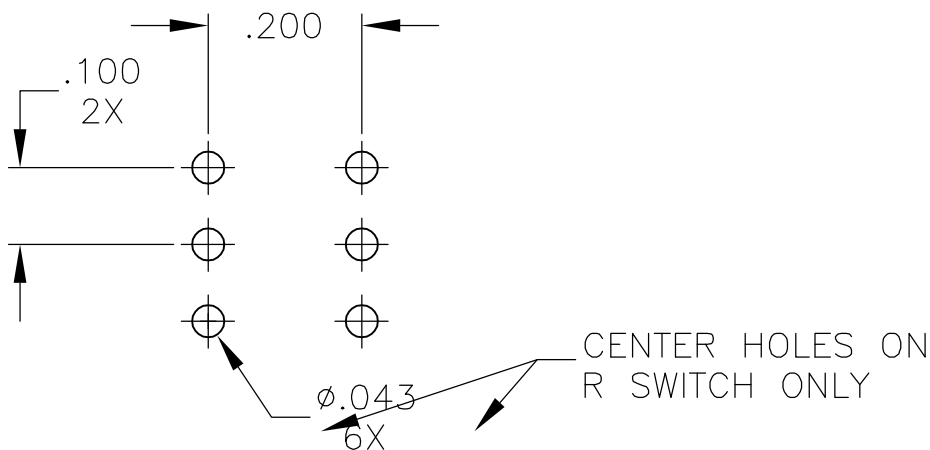
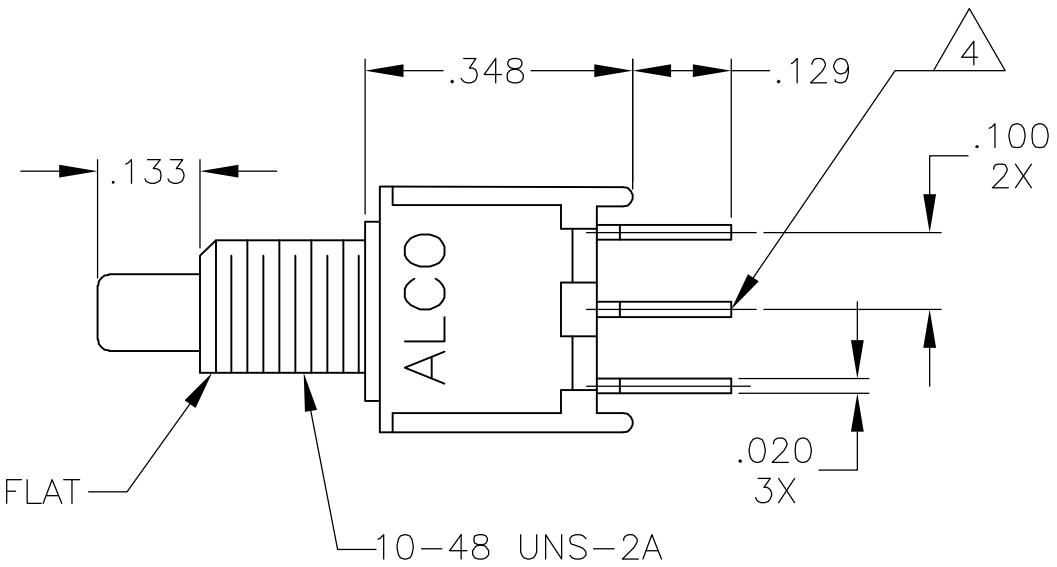
TYCO P/N	ALCO P/N	FLUSH ACTUATOR	POLES	THROWS	PLATING	TERMINALS	PROCESS SEALED	BUTTON COLOR	FUNCTION		CONNECTED TERMINALS		DIM A
													
1825098-1	TPC11CGPC004	NO	1	1	GOLD	PC	NO	BLACK	OFF	MOM	OFF	1-3	.133
1825098-2	TPC11CGRA004	NO	1	1	GOLD	RIGHT ANGLE	NO	BLACK	OFF	MOM	OFF	1-3	.133
1825098-3	TPC11CGRA204	NO	1	1	GOLD	RIGHT ANGLE	NO	RED	OFF	MOM	OFF	1-3	.133
1825098-4	TPC11CGVRA004	NO	1	1	GOLD	VRA	NO	BLACK	OFF	MOM	OFF	1-3	N/A
1825098-5	TPC11FGPC004	NO	1	2	GOLD	PC	NO	BLACK	ON	MOM	1-2	2-3	.133
1825098-6	TPC11FGRA004	NO	1	2	GOLD	RIGHT ANGLE	NO	BLACK	ON	MOM	1-2	2-3	.133
1825098-7	TPC11FGVRA004	NO	1	2	GOLD	VRA	NO	BLACK	ON	MOM	1-2	2-3	N/A
1825098-8	TPC11FGVRA204	NO	1	2	GOLD	VRA	NO	RED	ON	MOM	1-2	2-3	N/A
1825098-9	TPC13C004	NO	1	1	SILVER	WIRE LUG	NO	BLACK	OFF	MOM	OFF	1-3	.133
1-1825098-0	TPC13C204	NO	1	1	SILVER	WIRE LUG	NO	RED	OFF	MOM	OFF	1-3	.133
1-1825098-1	TPC13CPC004	NO	1	1	SILVER	PC	NO	BLACK	OFF	MOM	OFF	1-3	.133
1-1825098-2	TPC13F004	NO	1	2	SILVER	WIRE LUG	NO	BLACK	ON	MOM	1-2	2-3	.133
1-1825098-3	TPC21MGRA204	NO	2	1	GOLD	RIGHT ANGLE	NO	RED	OFF	MOM	OFF	1-3, 4-6	N/A
1-1825098-4	TPC21RGPC004	NO	2	2	GOLD	PC	NO	BLACK	ON	MOM	1-2, 4-5	2-3, 5-6	N/A
1-1825098-5	TPC23M004	NO	2	1	SILVER	WIRE LUG	NO	BLACK	OFF	MOM	OFF	1-3, 4-6	N/A
1-1825098-6	TPC23R204	NO	2	2	SILVER	WIRE LUG	NO	RED	ON	MOM	1-2, 4-5	2-3, 5-6	N/A
1-1825098-7	TPCF11CGPC004	YES	1	1	GOLD	PC	NO	BLACK	OFF	MOM	OFF	1-3	.000
1-1825098-8	TPCF11CGRA004	YES	1	1	GOLD	RIGHT ANGLE	NO	BLACK	OFF	MOM	OFF	1-3	.000
1-1825098-9	TPCF11FGRA004	YES	1	2	GOLD	RIGHT ANGLE	NO	BLACK	ON	MOM	1-2	2-3	.000
2-1825098-0	TPCF13C004	YES	1	1	SILVER	WIRE LUG	NO	BLACK	OFF	MOM	OFF	1-3	.000
2-1825098-1	TPCF13C004	YES	1	2	SILVER	WIRE LUG	NO	BLACK	ON	MOM	1-2	2-3	.000

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAGHU		12-08-05	 Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS:		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME		
INCHES		APVD		PUSHBUTTON SWITCH, TPC SERIES		
		0 P/LC ± .010 1 P/LC ± .010 2 P/LC ± .010 3 P/LC ± .010 4 P/LC ± .010 ANGLES ± .3° FINISH		PRODUCT SPEC		
MATERIAL		WEIGHT		SIZE CAGE CODE DRAWING NO		
-		-		A1 00779 C-1825098		
CUSTOMER DRAWING				SCALE 4:1 SHEET 1 OF 5 REV A		

LOC		DIST		REVISIONS				
AD		00		P	LTR	DESCRIPTION		DATE
						SEE SHEET 1		DWN
								APVD



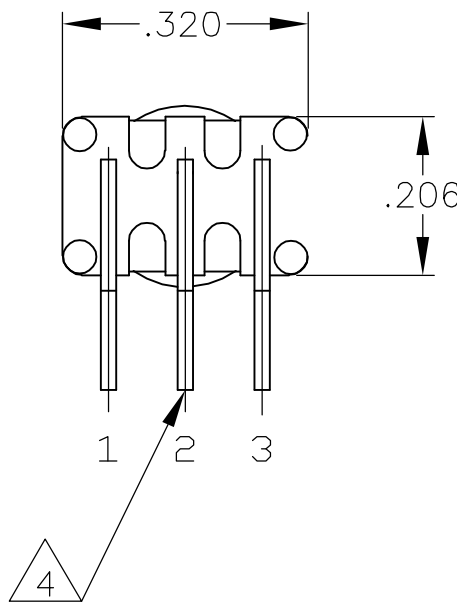
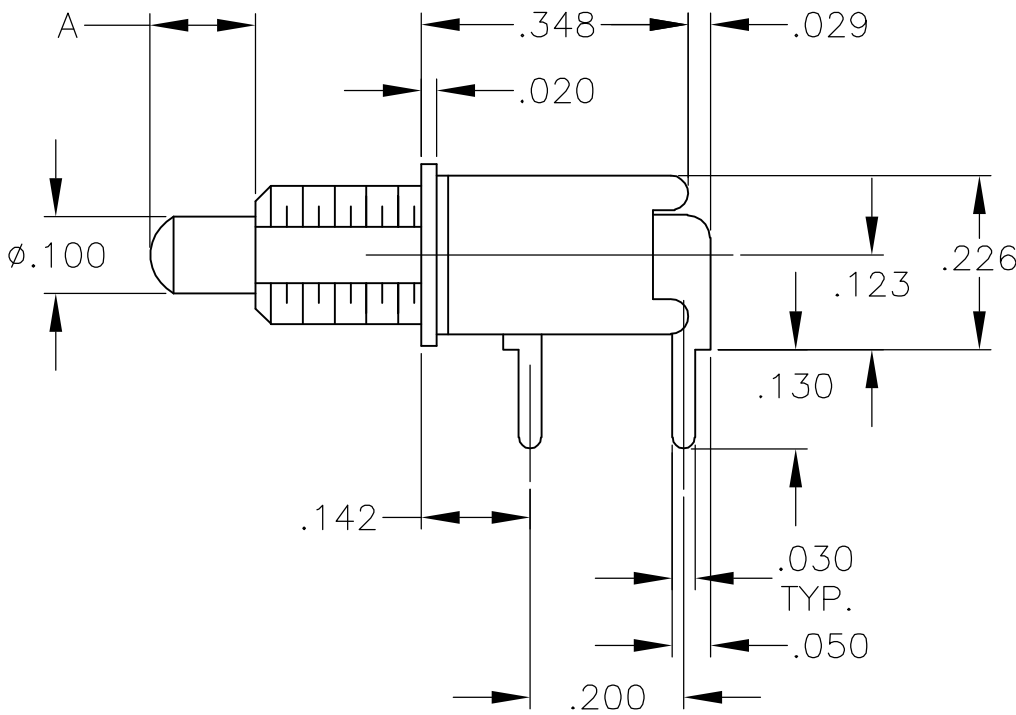
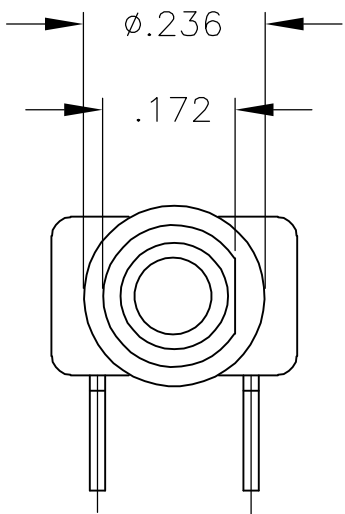
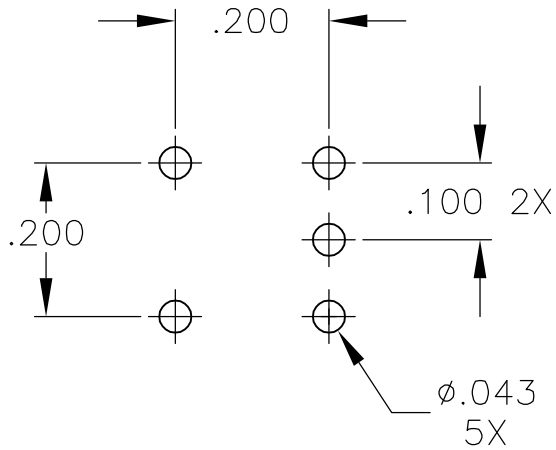
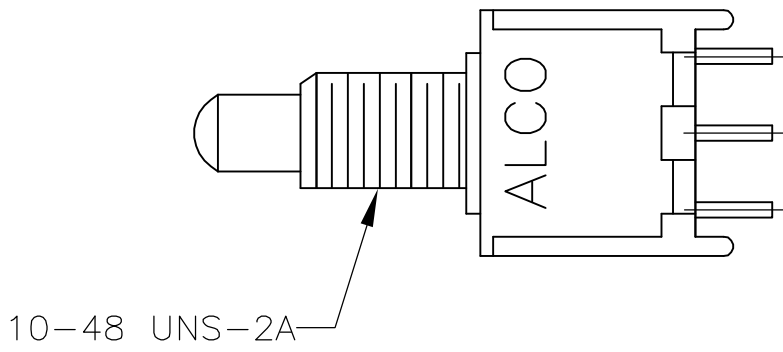
TPC11CGPC, TPC11FGPC
TPCF11CGPC, TPC13CPC



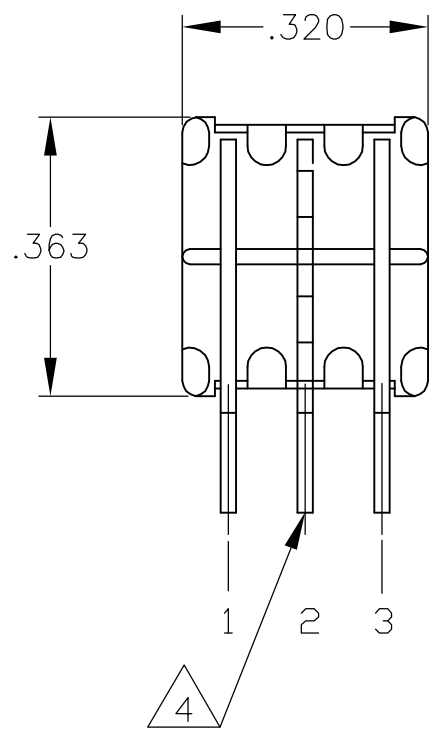
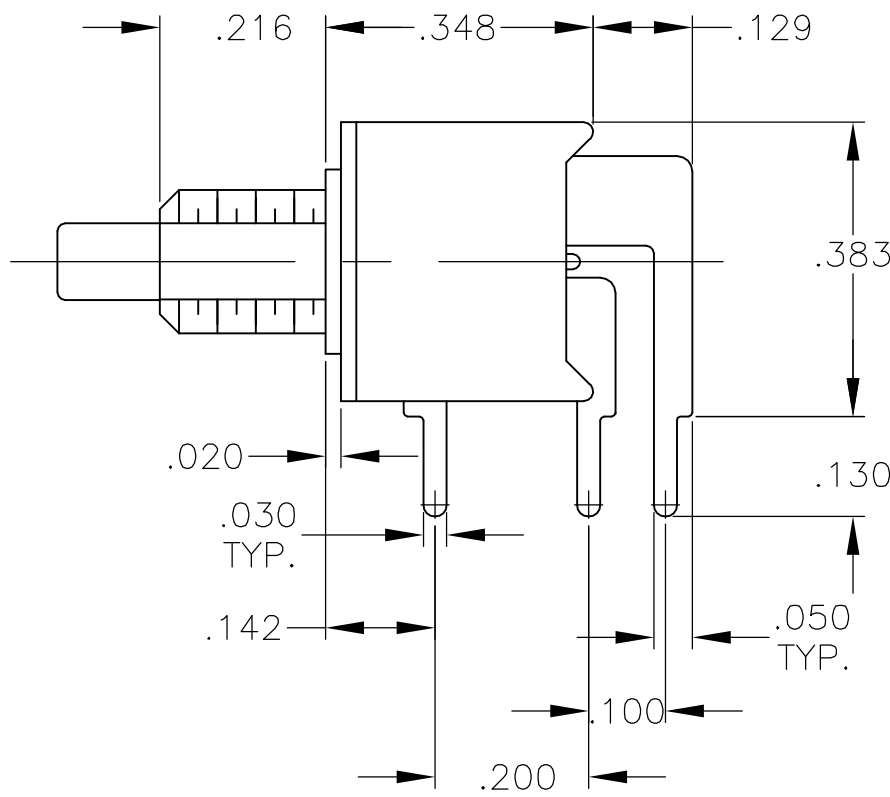
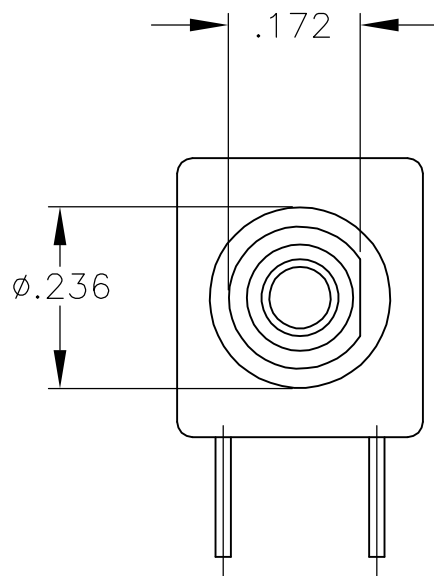
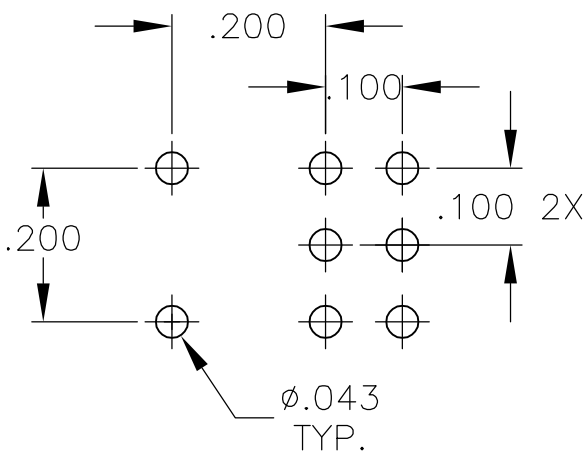
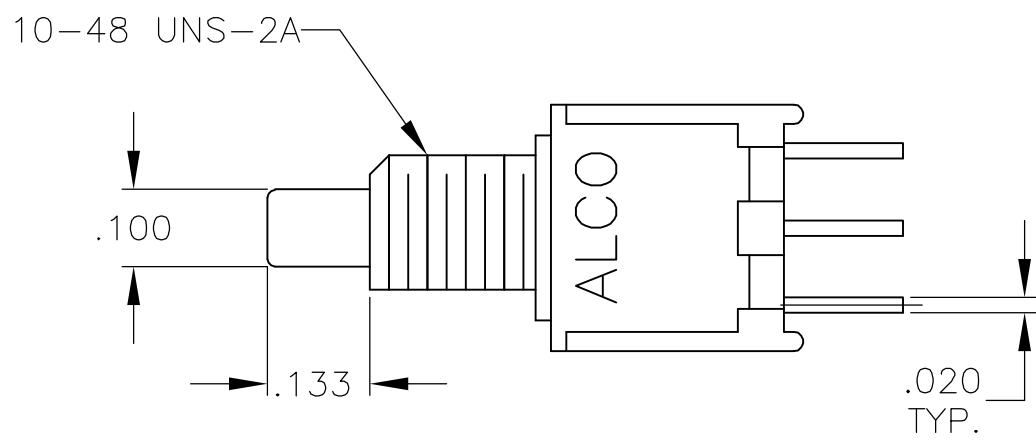
TPC21RGPC

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		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± 0.10 4 PLC ± — ANGLES ± 3° FINISH —			PRODUCT SPEC —	—				
MATERIAL —				APPLICATION SPEC —	SIZE A1	CAGE CODE 00779	DRAWING NO C=1825098	RESTRICTED TO —		
WEIGHT —					SCALE 4:1			SHEET 2	OF 5	REV A
CUSTOMER DRAWING										

LOC		DIST		REVISIONS			
AD	00	P	LTR	DESCRIPTION		DATE	DWN
		—	—	SEE SHEET 1		—	—



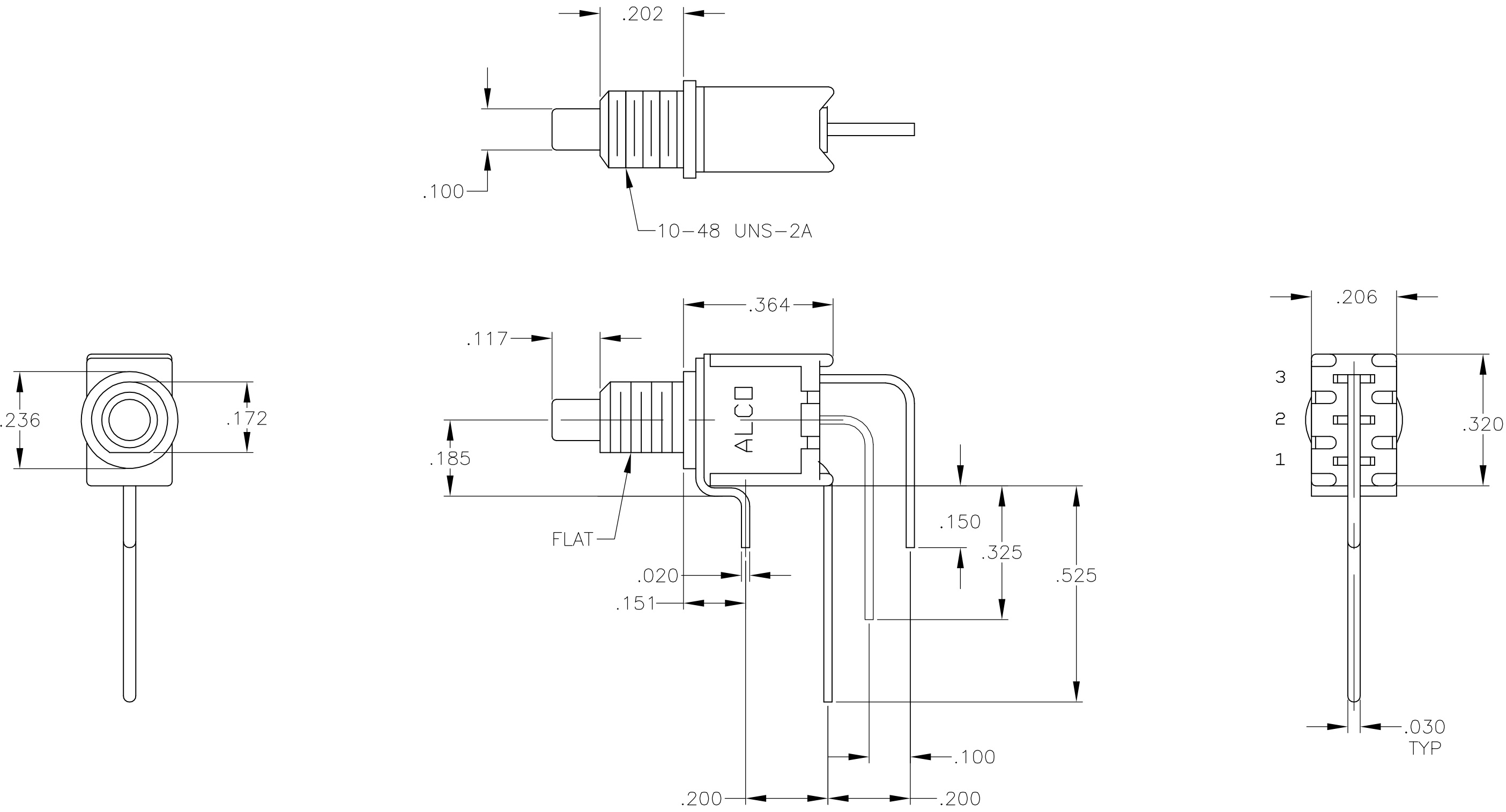
TPC11CGRA, TPC11FGRA
TPCF11CGRA, TPCF11FGRA



TPC21MGRA

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		CHK	RAGHU			Harrisburg, Pa 17105-3608	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		PUSHBUTTON SWITCH, TPC SERIES	
INCHES		0.001		APPLICATION SPEC		—	
		1.000		WEIGHT		A1 00779 1825098	
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		3.000				SHEET 3 OF 5	
		4.000				REV A	

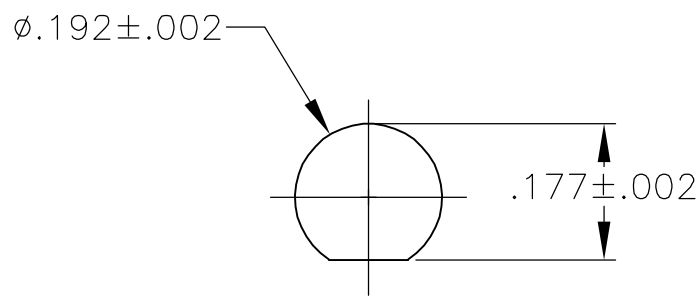
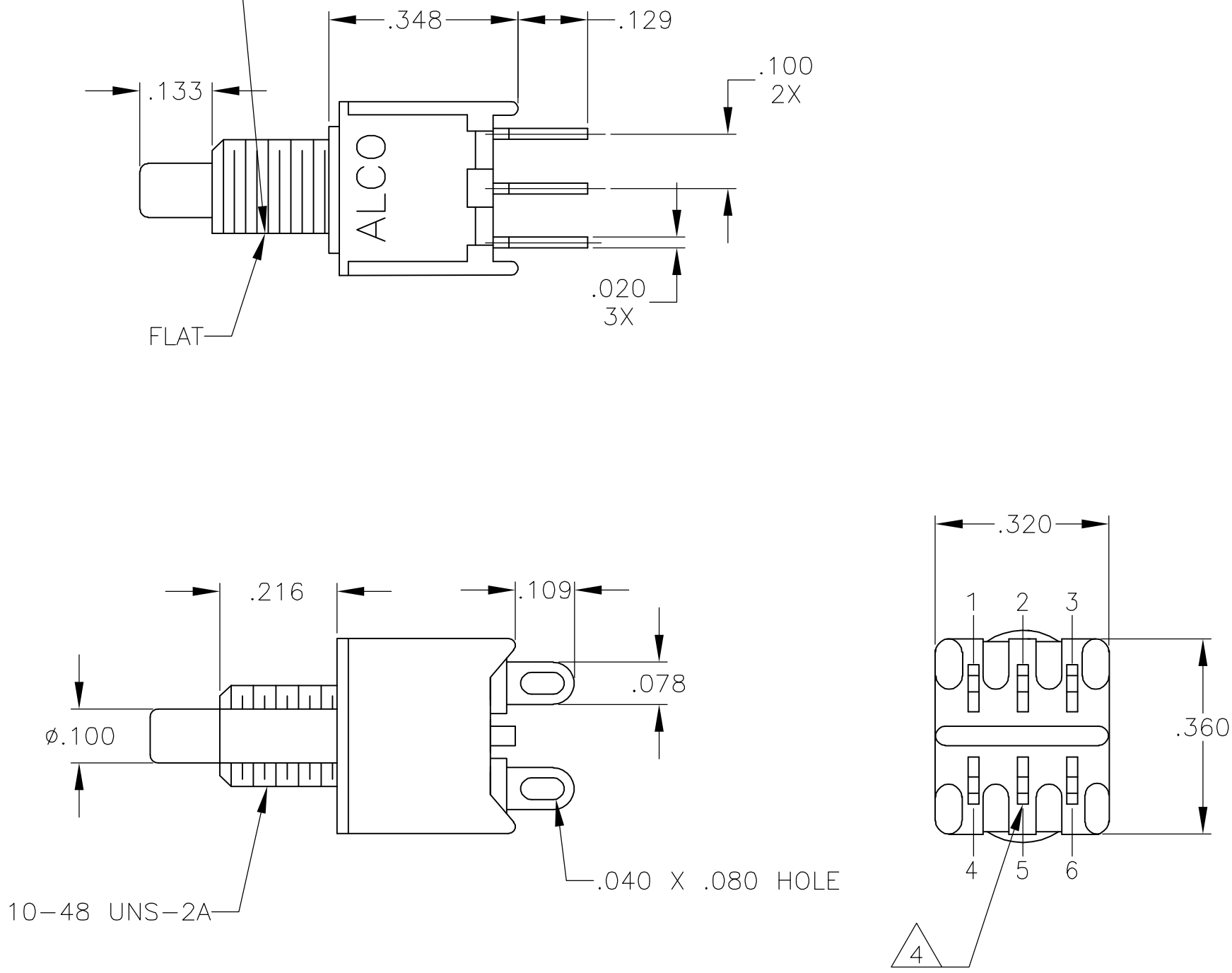
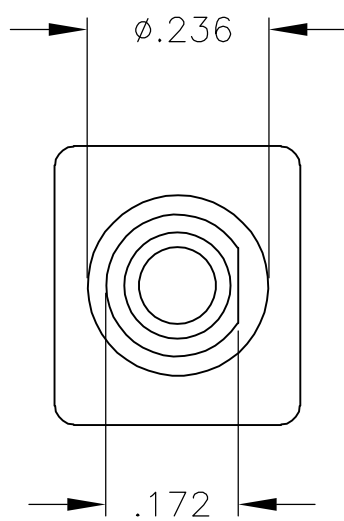
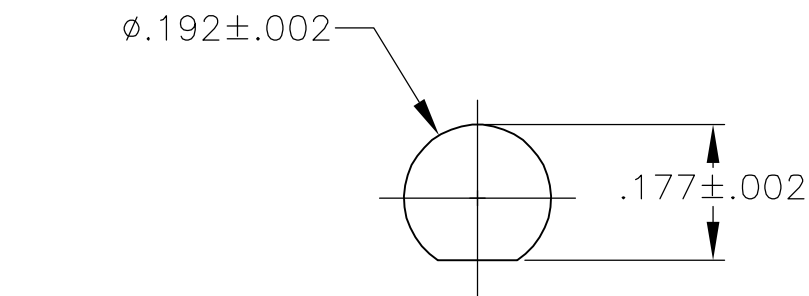
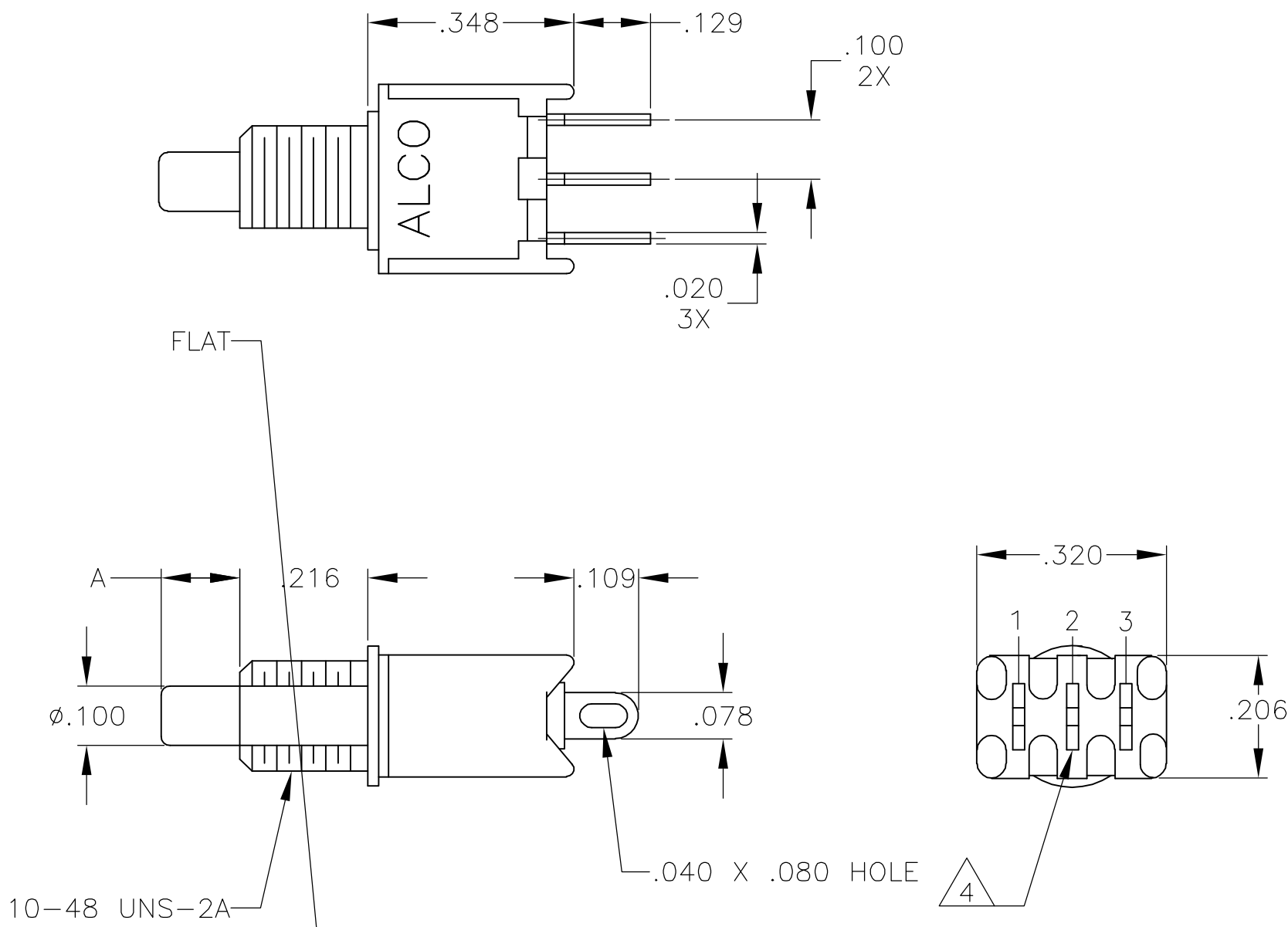
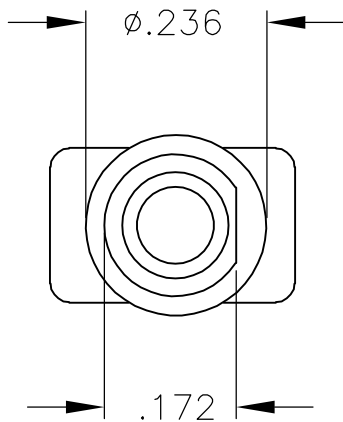
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AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—



TPC11CGVRA, TPC11FGVRA

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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD —	—	PRODUCT SPEC —			
0 PLC ± .010 1 PLC ± .010 2 PLC ± .010 3 PLC ± .010 4 PLC ± .010 ANGLES ± .5°		APPLICATION SPEC —		RESTRICTED TO —			
MATERIAL —		WEIGHT —		SIZE A1		CAGE CODE 00779	
FINISH —		CUSTOMER DRAWING		SCALE 4:1		SHEET 4 OF 5	
				DRAWING NO 1825098		REV A	

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—



TPC23M, TPC23R

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DIMENSIONS: INCHES		CHK —	—	APVD —	—	NAME PUSHBUTTON SWITCH, TPC SERIES	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		APPLICATION SPEC		RESTRICTED TO	
0. PLC ± .010		1. PLC ± .010		2. PLC ± .010		3. PLC ± .010	
4. PLC ± .010		5. PLC ± .010		6. PLC ± .010		7. PLC ± .010	
ANGLES ± 3°		FINISH		MATERIAL		WEIGHT	
—		—		—		—	
CUSTOMER DRAWING		SCALE 4:1		SHEET 5 OF 5		REV A	