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LOCAD

DIST00

REVISONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
A2		REVISED PER ECO-15-004048	17MAR2015	NK	RH

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

MODEL	ACTUATOR	POLES	RATING	FUNCTION	PLATING	TERMINATIONS	PROCESS SEAL	BUTTON COLOR	04
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

RATING	GOLD: .4VA MAX. @ 20VDC OR PEAK AS RESISTIVE SILVER: 1A @ 125VAC OR 28 VDC RESISTIVE
INITIAL TERMINATION RESISTANCE	20 MILLIOHMS 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
ACTUATION 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

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TERMINAL NUMBERS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON SWITCHES

ALL MATERIALS AND FINISHES COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

DISPOSABLE BOOT SUPPLIED WITH ES VERSIONS. BOOT TO BE PLACED OVER BUSHING BEFORE SOLDER WASHING

CENTER TERMINAL PRESENT ON DOUBLE THROW SWITCHES ONLY.

OBSOLETE	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
	1825098-0	TPC13C204	NO	1	1	SILVER	WIRE LUG	NO	RED	OFF	MOM	OFF	1-3	.133
OBSOLETE	1825098-1	TPC13CPC004	NO	1	1	SILVER	PC	NO	BLACK	OFF	MOM	OFF	1-3	.133
	1825098-2	TPC13F004	NO	1	2	SILVER	WIRE LUG	NO	BLACK	ON	MOM	1-2	2-3	.133
	1825098-3	TPC21MGRA204	NO	2	1	GOLD	RIGHT ANGLE	NO	RED	OFF	MOM	OFF	1-3, 4-6	N/A
	1825098-4	TPC21RGPC004	NO	2	2	GOLD	PC	NO	BLACK	ON	MOM	1-2, 4-5	2-3, 5-6	N/A
	1825098-5	TPC23M004	NO	2	1	SILVER	WIRE LUG	NO	BLACK	OFF	MOM	OFF	1-3, 4-6	N/A
	1825098-6	TPC23R204	NO	2	2	SILVER	WIRE LUG	NO	RED	ON	MOM	1-2, 4-5	2-3, 5-6	N/A
	1825098-7	TPCF11CGPC004	YES	1	1	GOLD	PC	NO	BLACK	OFF	MOM	OFF	1-3	.000
	1825098-8	TPCF11CGRA004	YES	1	1	GOLD	RIGHT ANGLE	NO	BLACK	OFF	MOM	OFF	1-3	.000
	1825098-9	TPCF11FGRA004	YES	1	2	GOLD	RIGHT ANGLE	NO	BLACK	ON	MOM	1-2	2-3	.000
	1825098-0	TPCF13C004	YES	1	1	SILVER	WIRE LUG	NO	BLACK	OFF	MOM	OFF	1-3	.000
OBSOLETE	1825098-1	TPCF13C004	YES	1	2	SILVER	WIRE LUG	NO	BLACK	ON	MOM	1-2	2-3	.000

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12-5-05

RAGHU

CHK

APVD

NAME

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

WEIGHT

100779

1825098

CUSTOMER DRAWING

SCALE

4:1

SHEET

1

OF

5

REV

A2

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± .005

1 PLC ± .005

2 PLC ± .005

3 PLC ± .010

4 PLC ± .010

ANGLES ± .5°

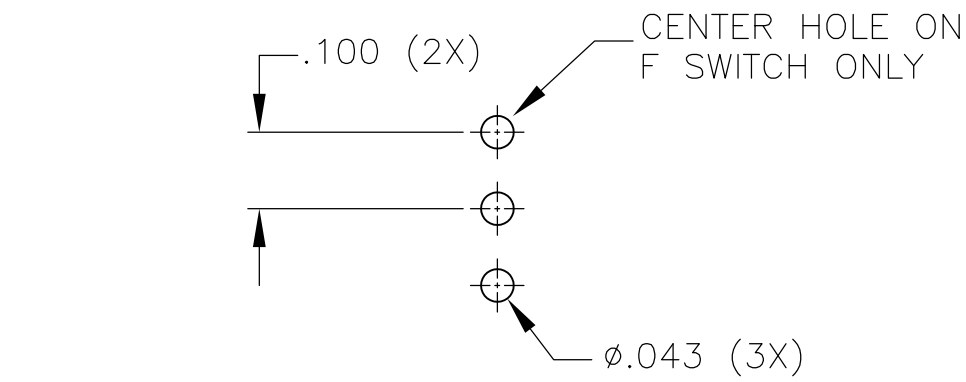
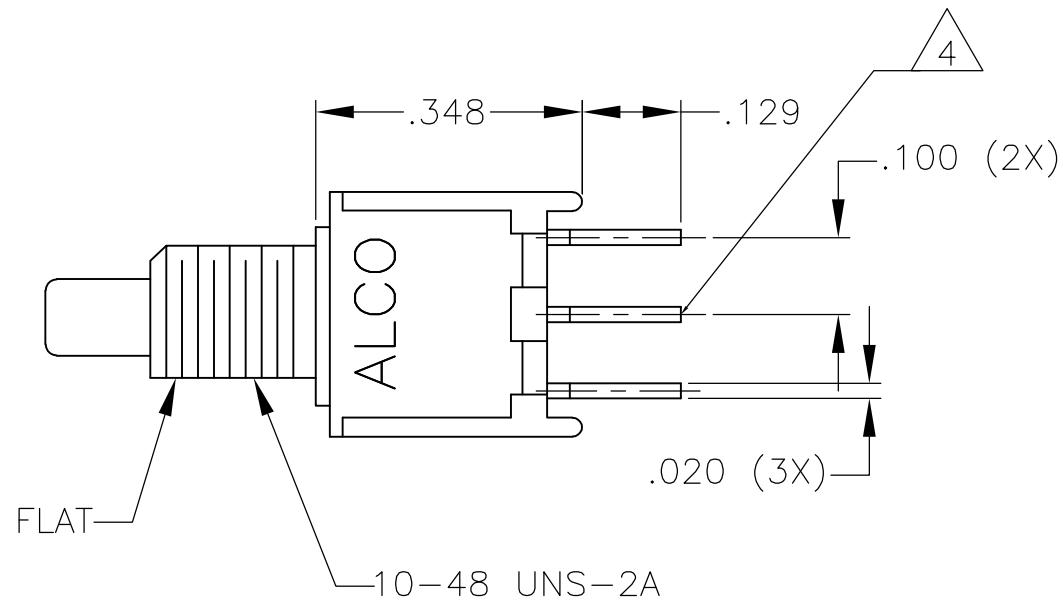
MATERIAL

FINISH

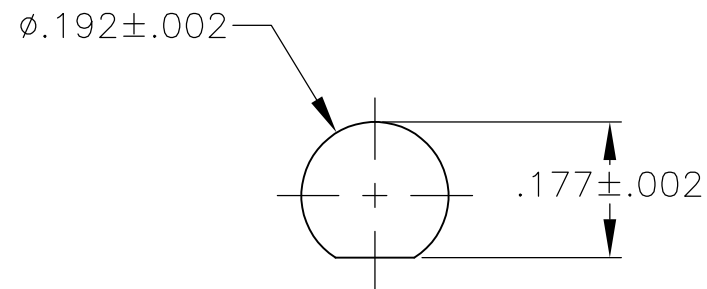
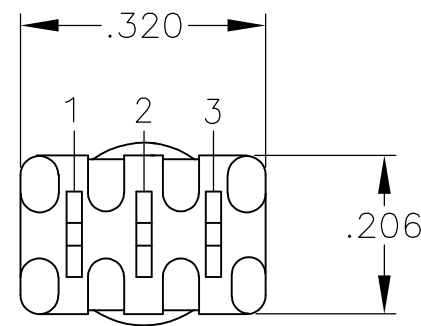
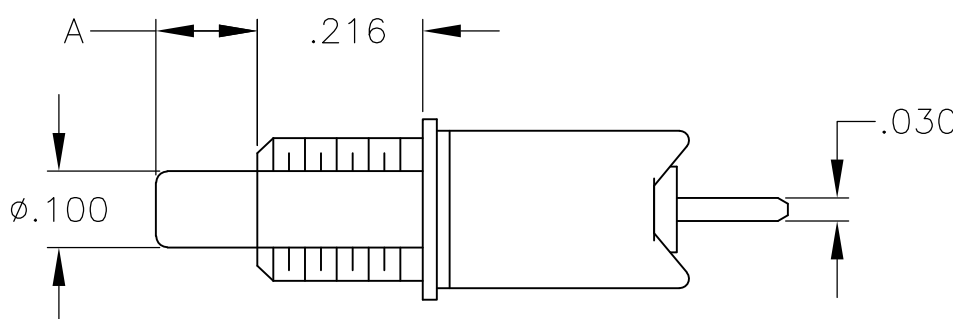
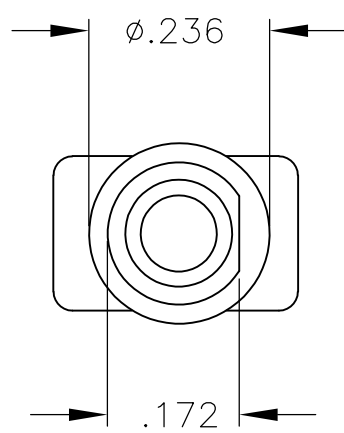
TE Connectivity

PUSHBUTTON SWITCH, TPC SERIES

4805 (3/11)

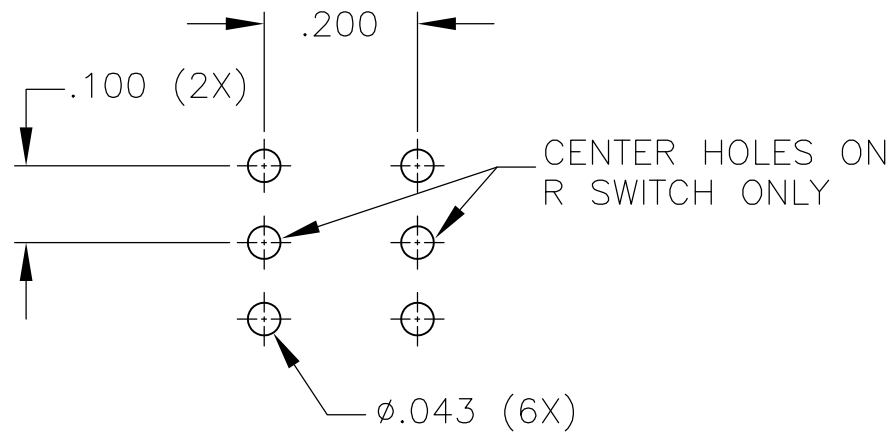
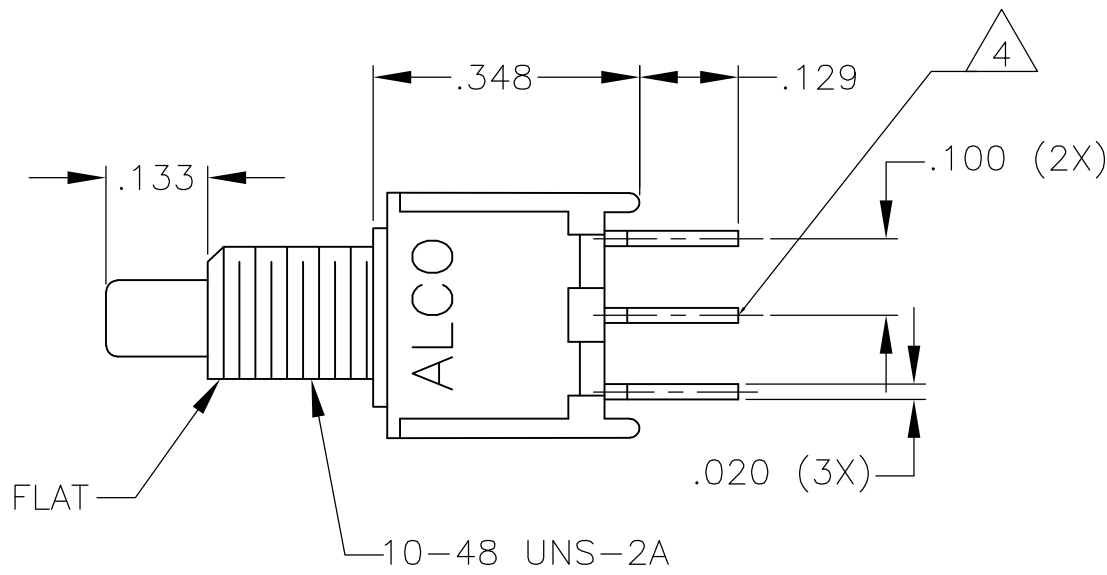


RECOMMENDED PCB LAYOUT
TOLERANCES +/- .002

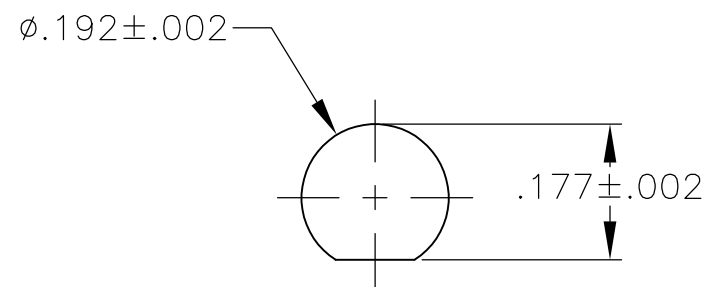
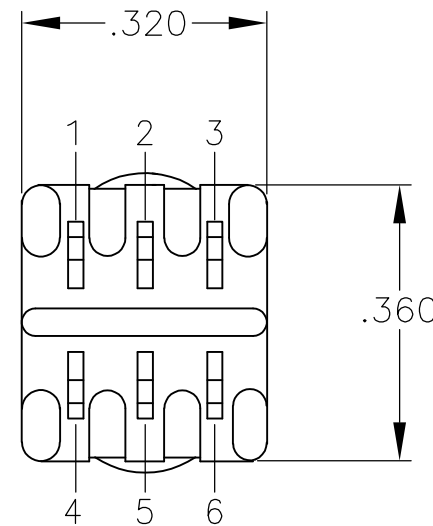
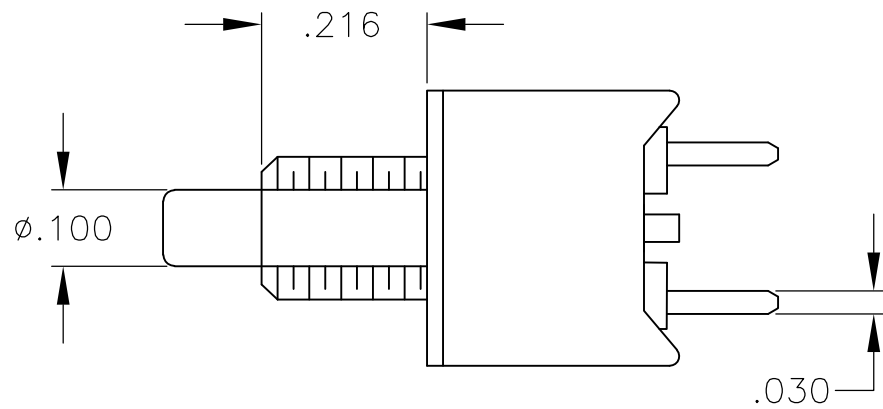
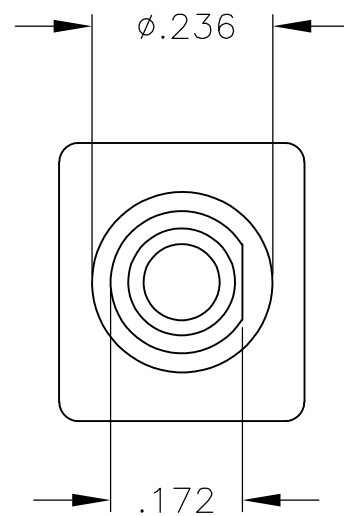


RECOMMENDED PANEL LAYOUT

TPC11CGPC, TPC11FGPC
TPCF11CGPC, TPC13CPC



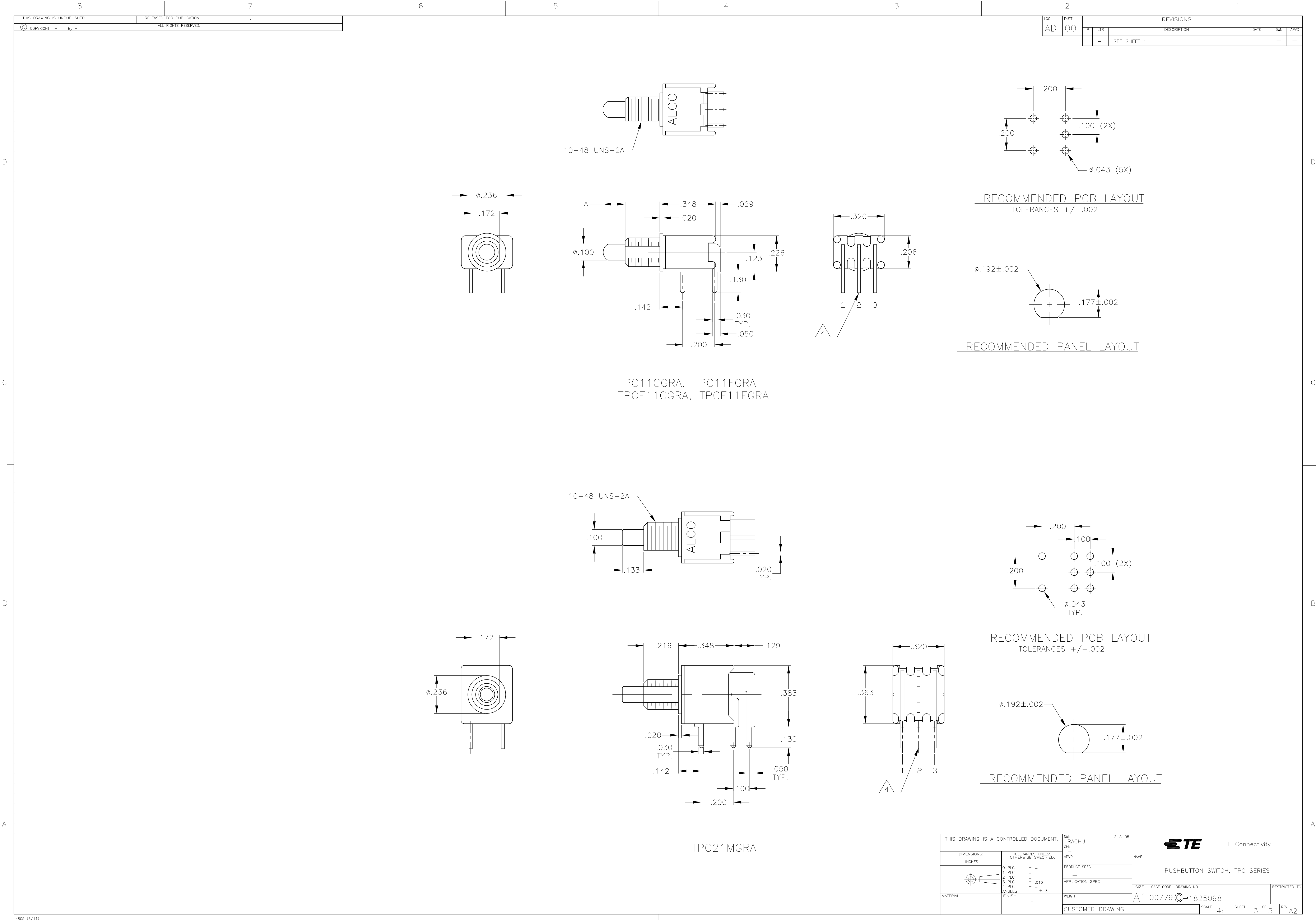
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TOLERANCES +/- .002

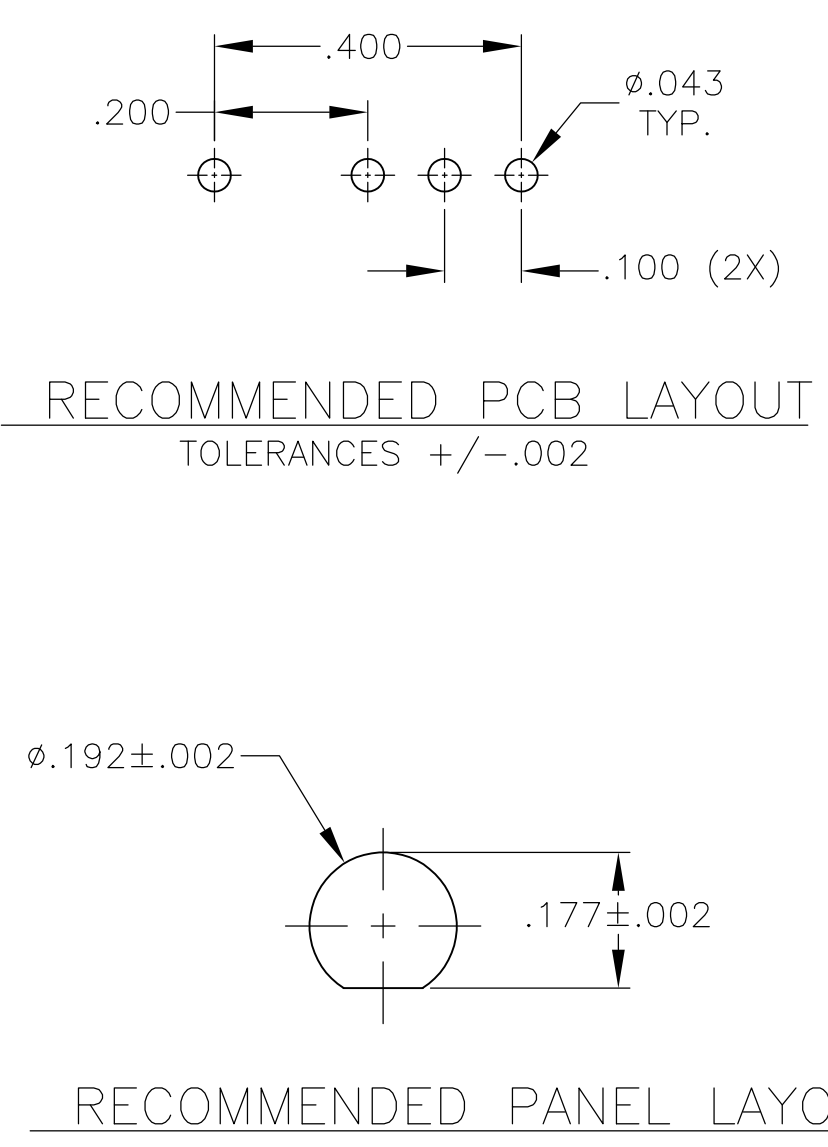
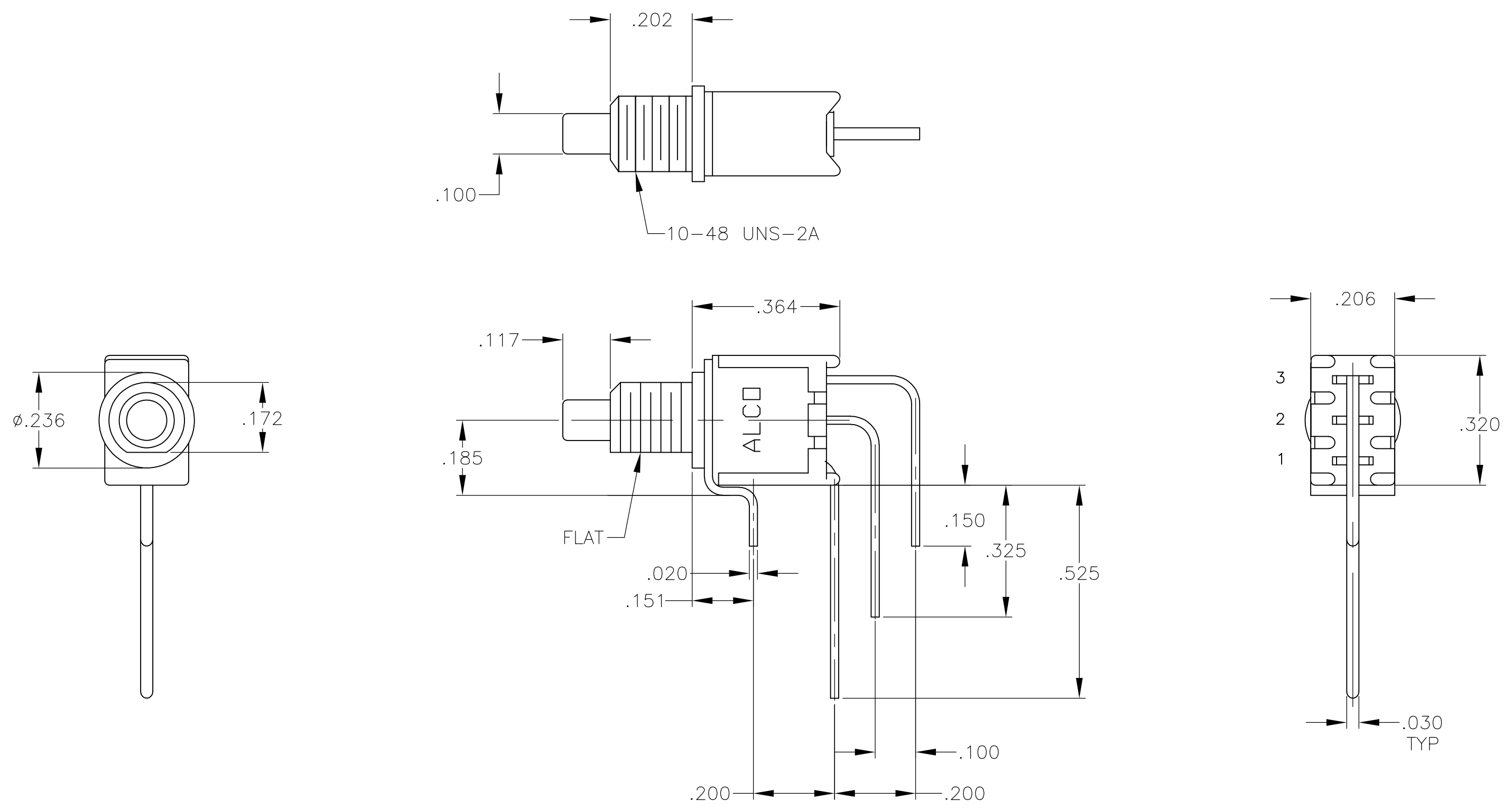


RECOMMENDED PANEL LAYOUT

TPC21RGPC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN RAGHU	12-5-05	 TE Connectivity		
		CHK —	—			
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD —	—	NAME	PUSHBUTTON SWITCH, TPC SERIES	
		PRODUCT SPEC —				
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± .010 4 PLC ± — ANGLES ± °	APPLICATION SPEC —		SIZE	RESTRICTED TO	
		WEIGHT —		CAGE CODE A1		
MATERIAL —	FINISH —	CUSTOMER DRAWING		SCALE 4:1	SHEET 2 OF 5	REV A2
				DRAWING NO 1825098		





TPC11CGVRA, TPC11FGVRA

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DRN
RAGHU
CHK
APVD

12-5-05

DIMENSIONS:
INCHES

TOLERANCES, UNLESS OTHERWISE SPECIFIED:
0. PLC
1. PLC
2. PLC
3. PLC
4. PLC
ANGLES
FINISH

± .005
± .005
± .005
± .005
± .005
± .005
± .005
± .005

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

TE Connectivity

PUSHBUTTON SWITCH, TPC SERIES

A1

00779

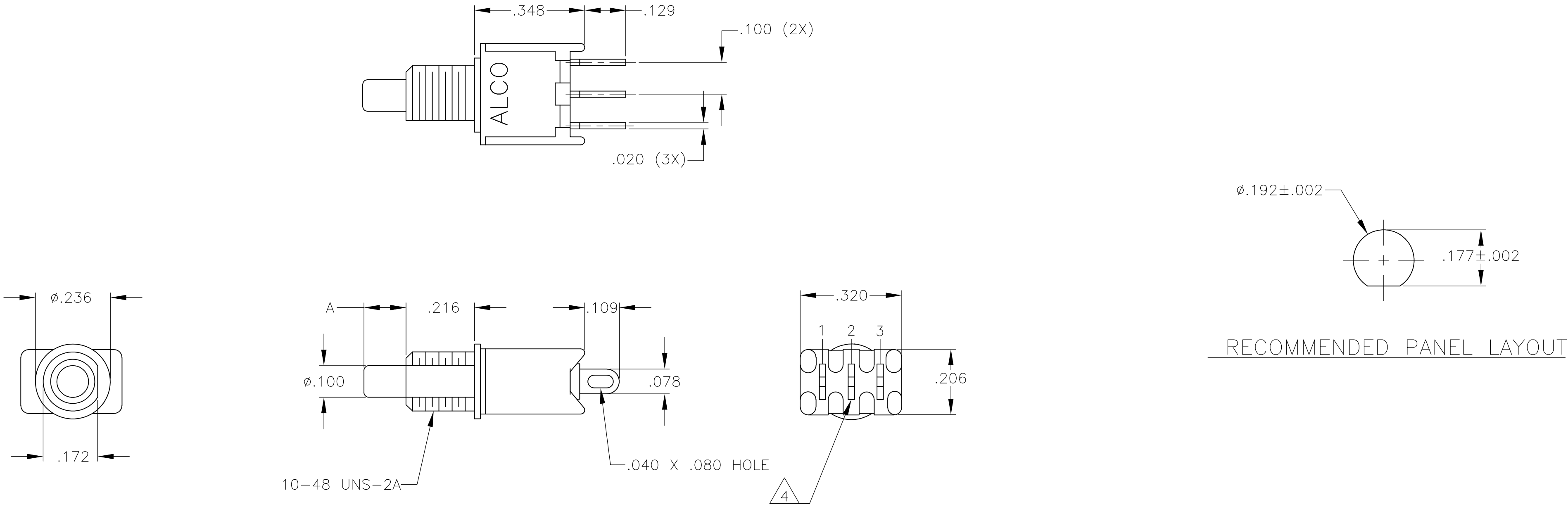
1825098

SCALE 4:1

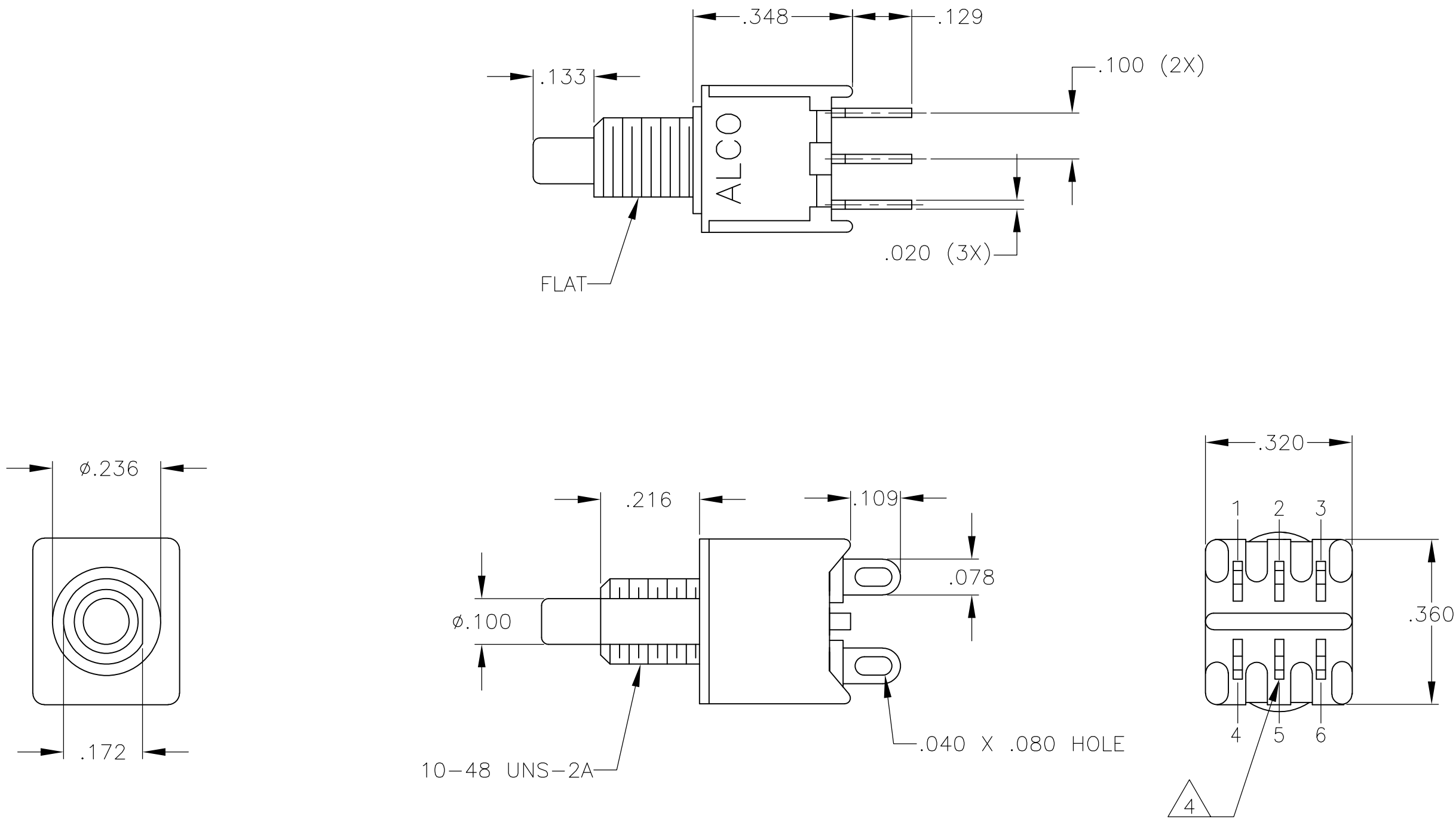
SHEET 4 OF 5

REV A2

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



TPC13C, TPC13F,
TPCF13C, TPC13F



TPC23M, TPC23R

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAGHU	12-5-05	 TE Connectivity	
		CHK ---	---		
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD ---	---	NAME PUSHBUTTON SWITCH, TPC SERIES	
		PRODUCT SPEC ---			
	0 PLC ± -- 1 PLC ± -- 2 PLC ± -- 3 PLC ± .010 4 PLC ± -- ANGLES ± °	APPLICATION SPEC ---		SIZE A1	
		WEIGHT ---		CAGE CODE 00779	
MATERIAL ---	FINISH ---	CUSTOMER DRAWING		SCALE 4:1	SHEET 5 OF 5
				REV A2	