

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION		DATE	APVD
AD	00		A1	REVISED PER ECO-11-004917		11MAR11	RK

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, WIRE LUG & 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	
GUIDE, CC & FF SWITCHES ONLY	NYLON 6/6, WHITE	

PART NUMBER MATRIX							
MODEL	POLES	RATING	FUNCTION	PLATING	TERMINATIONS	BUTTON COLOR	04
TP	1	1=GOLD .4VA	C=SPST MOMENTARY	G=GOLD	BLANK=WIRE LUG	0=BLACK	
	2(1+1)	3=SILVER 1 AMP 1	F=SPDT MOMENTARY	BLANK=SILVER 1	PC=PRINTED CIRCUIT	2=RED	
					RA=RIGHT ANGLE 1	6=BLUE	
NOTES: 1. SILVER ONLY AVAILABLE IN WIRE LUG AND PC TERMINATIONS							

SPECIFICATIONS	
RATING	GOLD: .4VA MAX. @ 20VDC OR PEAK AC RESISITIVE
	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	.4VA: 100,000
	1A: 60,000
OPERATING TEMPERATURE	-30°C TO +95°C
STORAGE TEMPERATURE	-30°C TO +95°C
TERMINAL SEAL	SINGLE POLE: EPOXY
	DOUBLE POLE: EPOXY OPTIONAL

- NOTES:
1. TERMINAL NUMBERS ARE FOR REFERNCE ONLY AND DO NOT APPEAR ON SWITCHES

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

3 CENTER TERMINAL PRESENT ON DOUBLE THROW SWITCHES ONLY.

P/N	ALCO P/N	POLES	THROWS	PLATING	TERMINALS	BUTTON COLOR	FUNCTION		CONNECTED TERMINALS	
1825095-1	TP11CGPC004	1	1	GOLD	PC	BLACK	OFF	MOM	OFF	1-3
1825095-2	TP11CGPC204	1	1	GOLD	PC	RED	OFF	MOM	OFF	1-3
1825095-3	TP11CGRA004	1	1	GOLD	RIGHT ANGLE	BLACK	OFF	MOM	OFF	1-3
1825095-4	TP11CGRA204	1	1	GOLD	RIGHT ANGLE	RED	OFF	MOM	OFF	1-3
1825095-5	TP11CGRA604	1	1	GOLD	RIGHT ANGLE	BLUE	OFF	MOM	OFF	1-3
1825095-6	TP11FGPC004	1	2	GOLD	PC	BLACK	ON	MOM	1-2	2-3
1825095-7	TP11FGPC204	1	2	GOLD	PC	RED	ON	MOM	1-2	2-3
1825095-8	TP11FGRA004	1	2	GOLD	RIGHT ANGLE	BLACK	ON	MOM	1-2	2-3
1825095-9	TP11FGRA204	1	2	GOLD	RIGHT ANGLE	RED	ON	MOM	1-2	2-3
1-1825095-0	TP11FGRA604	1	2	GOLD	RIGHT ANGLE	BLUE	ON	MOM	1-2	2-3
1-1825095-1	TP21CCGRA004	2(1+1)	1	GOLD	RIGHT ANGLE	BLACK	OFF	MOM	OFF	1-3
1-1825095-2	TP21CCGRA204	2(1+1)	1	GOLD	RIGHT ANGLE	RED	OFF	MOM	OFF	1-3
1-1825095-3	TP21FFGRA004	2(1+1)	2	GOLD	RIGHT ANGLE	BLACK	ON	MOM	1-2	2-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .010

4 PLC ± -

ANGLES ± 3°

FINISH

-

DWN RAGHU

CHK -

APVD -

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

12-1-05

TE Connectivity

NAME

PUSHBUTTON SWITCH, TP SERIES

SIZE

CAGE CODE

DRAWING NO

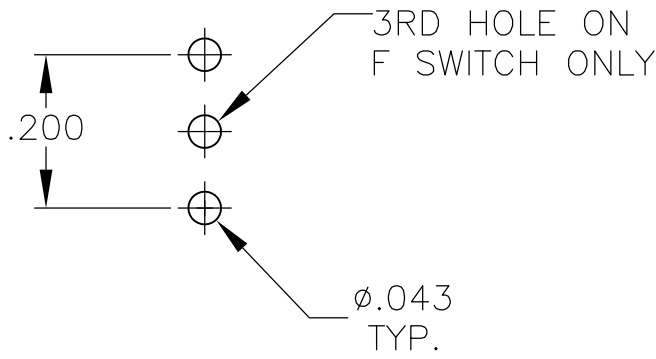
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SCALE 4:1

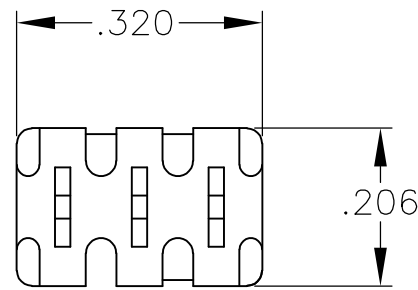
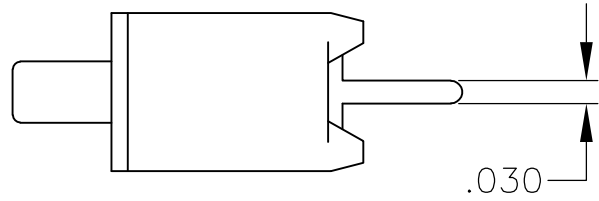
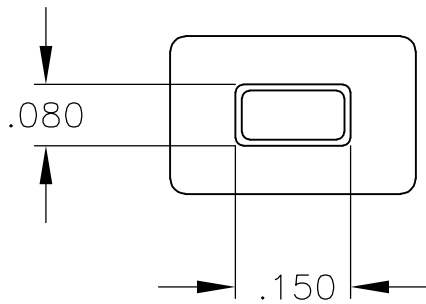
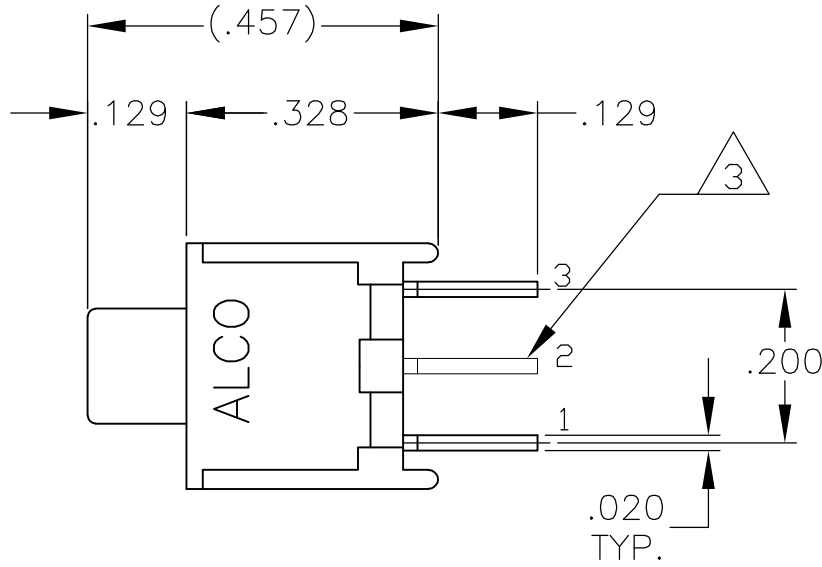
SHEET 1 of 3

REV A1

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



RECOMMENDED HOLE LAYOUT
TOLERANCE ±.002 UNLESS
OTHERWISE NOTED



TP11CGPC
TP11FGPC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	12-1-05	TE Connectivity			
		CHK	-				
DIMENSIONS:		APVD	-	NAME			
INCHES		PRODUCT SPEC	-				
		APPLICATION SPEC	-	SIZE			
		WEIGHT	-				
MATERIAL		CUSTOMER DRAWING	SCALE		SHEET		REV
			4:1		2 of 3		A1

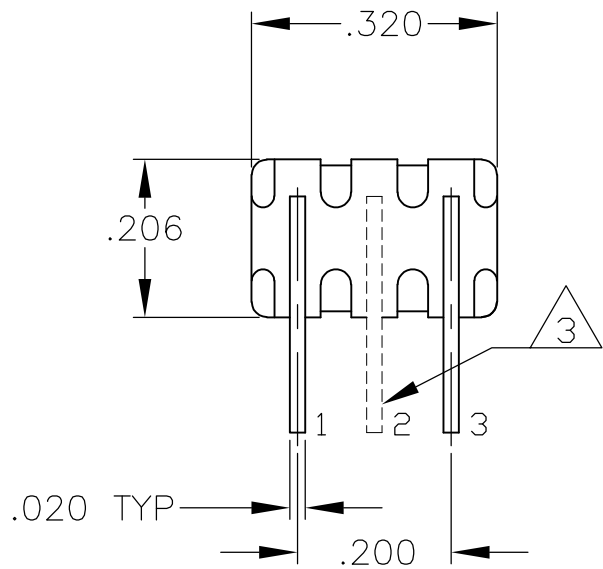
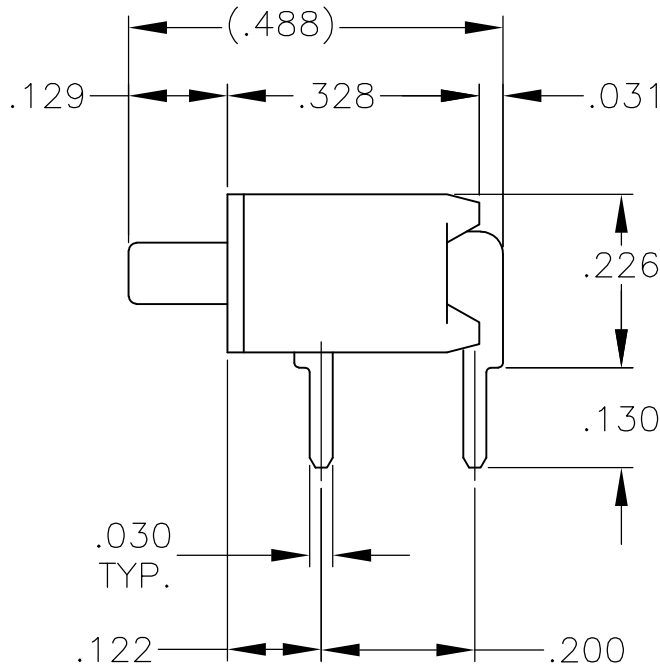
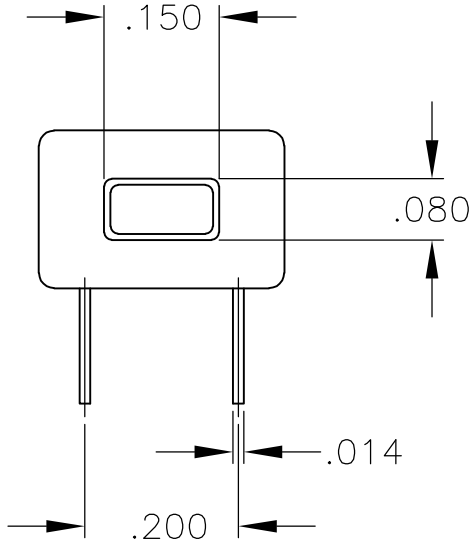
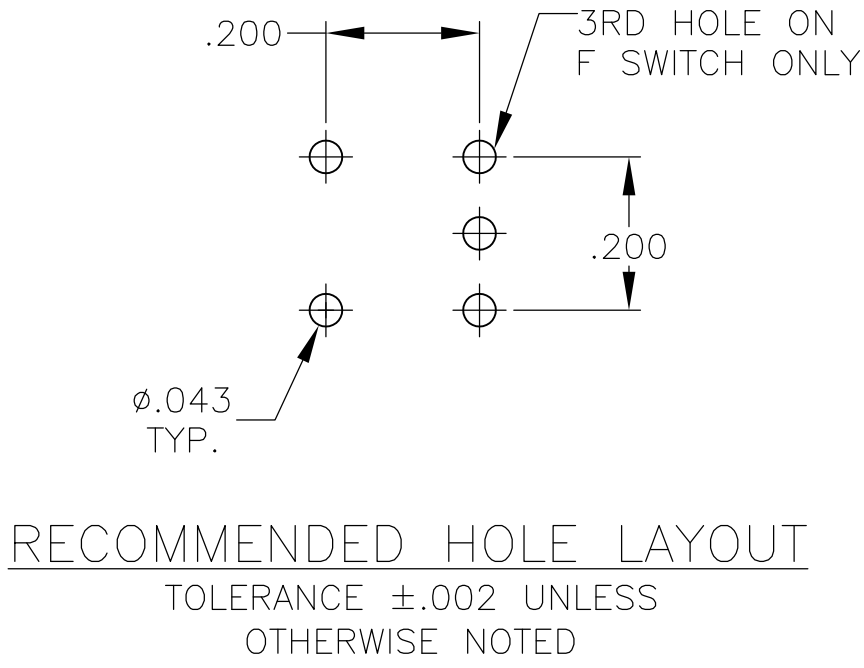
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—

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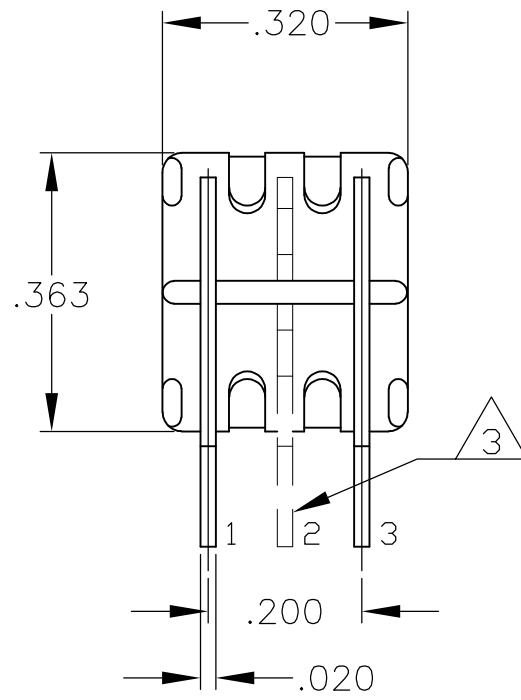
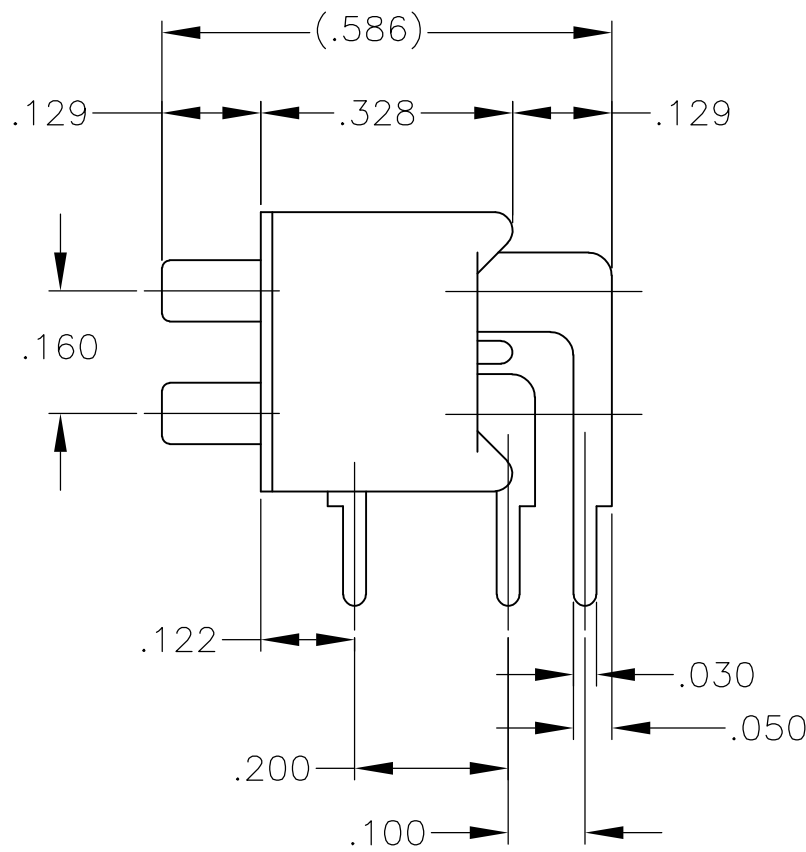
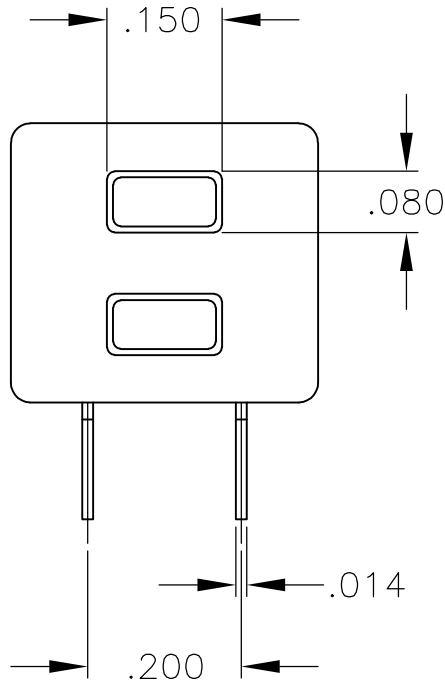
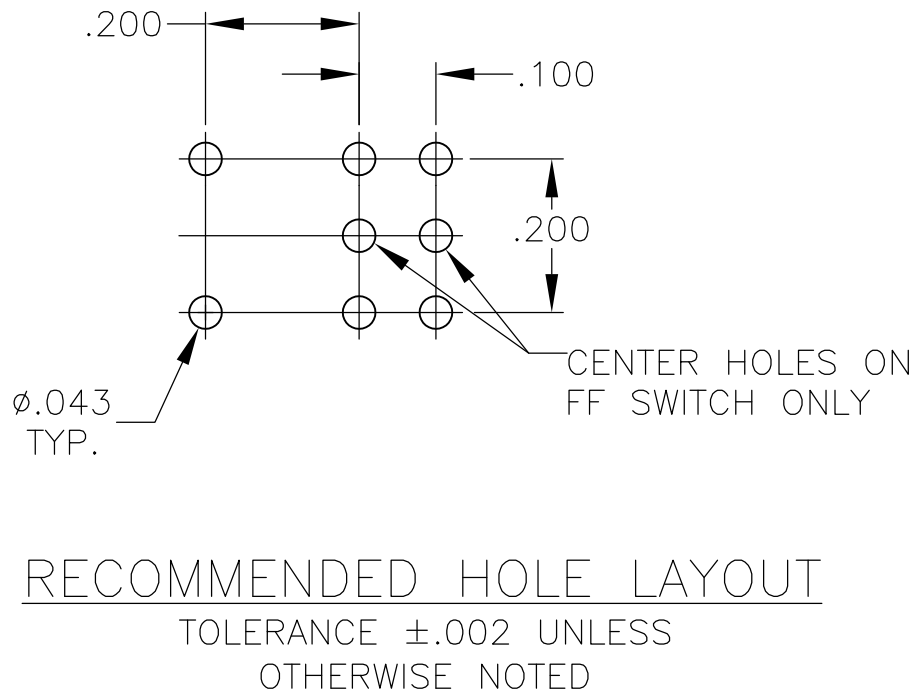
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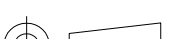
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TP11CGRA
TP11FGRA



TP21CCGRA
TP21FFGRA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAGHU	12-1-05	 TE Connectivity		
		CHK —	—			
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD —	—	NAME		
	0 PLC ± —	PRODUCT SPEC —	PUSHBUTTON SWITCH, TP SERIES —			
	1 PLC ± —	—				
	2 PLC ± —	APPLICATION SPEC —				
	3 PLC ± .010	—				
	4 PLC ± —	—				
MATERIAL —	FINISH —	WEIGHT —	SIZE A2	CAGE CODE 00779	DRAWING NO C=1825095	RESTRICTED TO —
CUSTOMER DRAWING			SCALE 1:1	SHEET 3 of 3	REV A1	