

8

7

6

5

4

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2

1

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TERMINAL IDENTIFICATION FOR DR SERIES ONLY
(VIEWED FROM BOTTOM OF SWITCH)

0810
0C00
0240

0810
0C00
0240

ACTUATOR
LOCATION

10-POSITION, BCDSEE NOTE 2

POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X
2			X	X			X	X		
4					X	X	X	X		
8									X	X

16-POSITION, HEXADECIMALSEE NOTE 3

POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X		X		X		X
2			X	X			X	X			X	X			X	X
4					X	X	X	X				X	X	X	X	X
8									X	X	X	X	X	X	X	X

10 POSITION,
BCD COMPLEMENTSEE NOTE 4

POS	0	1	2	3	4	5	6	7	8	9
C	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X	
2	X	X			X	X			X	X
4	X	X	X	X					X	X
8	X	X	X	X	X	X	X	X		

16-POSITION,
HEXADECIMAL COMPLEMENTSEE NOTE 5

POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X		X		X		X	
2	X	X			X	X			X	X		X	X			
4	X	X	X	X					X	X	X	X				
8	X	X	X	X	X	X	X	X								

HOW TO ORDER

D

R

I

SERIES
ROTARY DIPS (BLACK CASE)

ACTUATOR STYLE
M= MINI PLASTIC SHAFT
W= WHEEL
S= METAL SHAFT

CIRCUIT TYPES
10= BC DECIMAL
10C= BCD COMPLEMENT
16= HEXADECIMAL
16C= HEXADECIMAL COMPLEMENT

SPECIFICATIONS:

MATERIAL:

FRAME & CASE: PPS UL94V-0, BLACK
ROTOR,PPS UL94V-0, COLOR SEE P/N TABLE
FIXED CONTACT TERMINAL: COPPER ALLOY,GOLD FLASH OVER NICKEL PLATE
MOVING CONTACT:COPPER ALLOY,GOLD FLASH OVER NICKEL PLATE
BALL SUPPORT PLATE: COPPER ALLOY
BALL: STAINLESS STEEL
DETENT SPRING: STAINLESS STEEL.
BUSHING (DRS): ZINC DIE CAST.
SHAFT (DRS): COPPER ALLOY-NICKEL PLATE

ELECTRICAL:

CONTACT RATING: 0.4 VA @ 20V DC OR PEAK AC
INITIAL CONTACT RESISTANCE: 50 MILLIOHMS MAX.
INSULATION RESISTANCE: 1,000 MEGOHMS @ 100V DC.
DIELECTRIC STRENGTH: 300V AC
LIFE EXPECTANCY: 10,000 ROTATIONS

MECHANICAL:

OPERATING FORCE: 13.88 OZF.IN. MAX

ENVIRONMENTAL:

OPERATING TEMPERATURE: -30 TO +85 DEGREES C
STORAGE TEMPERATURE: -45 TO +100 DEGREES C
RESISTANCE TO SOLDER HEAT-PER 109-202, COND B (THRU-HOLE)
SOLDERABILITY- PER JIS C 0050 & JIS C 0053

NOTES:

1. COMMON TERMINALS ARE CONNECTED INTERNALLY.

2. RED ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NOT PRINTING ON TOP.

3. BLACK ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NO PRINTING ON TOP.

4. ORANGE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH EXCEPT FOR THE "W" STYLES, WHICH HAVE BLACK PRINTING ON TOP. "S" STYLES HAVE NO PRINTING ON TOP.

5. WHITE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH EXCEPT FOR THE "W" STYLES, WHICH HAVE BLACK PRINTING ON TOP. "S" STYLE HAVE NO PRINTING ON TOP.

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

7. LOCATE 'ALCO' TRADE NAME AND LOT NUMBER MARKING.
LOT NUMBER TO BE MARKED AS FOLLOW:

4F
1ST DIGIT2ND DIGIT
YEAR 1194MONTH 6

MARK WITH PERMANENT WHITE INK.

SEE SHEET 2 FOR DIMENSIONAL SPEC'S

OBSOLETE	N/A	BLACK	DRS16C	5-1825033-6
OBSOLETE	N/A	BLACK	DRS16	5-1825033-1
OBSOLETE	N/A	BLACK	DRS10C	4-1825033-6
OBSOLETE	N/A	BLACK	DRS10	4-1825033-1
OBSOLETE	WHITE	BLACK	DRW16C	3-1825033-6
	BLACK	BLACK	DRW16	3-1825033-1
OBSOLETE	ORANGE	BLACK	DRW10C	2-1825033-6
OBSOLETE	RED	BLACK	DRW10	2-1825033-1
OBSOLETE	WHITE	BLACK	DRM16C	1-1825033-6
	BLACK	BLACK	DRM16	1-1825033-1
OBSOLETE	ORANGE	BLACK	DRM10C	1825033-6
OBSOLETE	RED	BLACK	DRM10	1825033-1
	ROTOR COLOR	CASE COLOR	ALCO P/N	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC± -
1 PLC± -
2 PLC± -
3 PLC± .010
4 PLC± - ± .1'
ANGLES

MATERIAL

-

DWN
CHK
MSS
APVD

20JUN05

-

-

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

NAME

ROTARY
DIP SWITCH

SIZECAGE CODEDRAWING NORESTRICTED TO

A100779C1825033

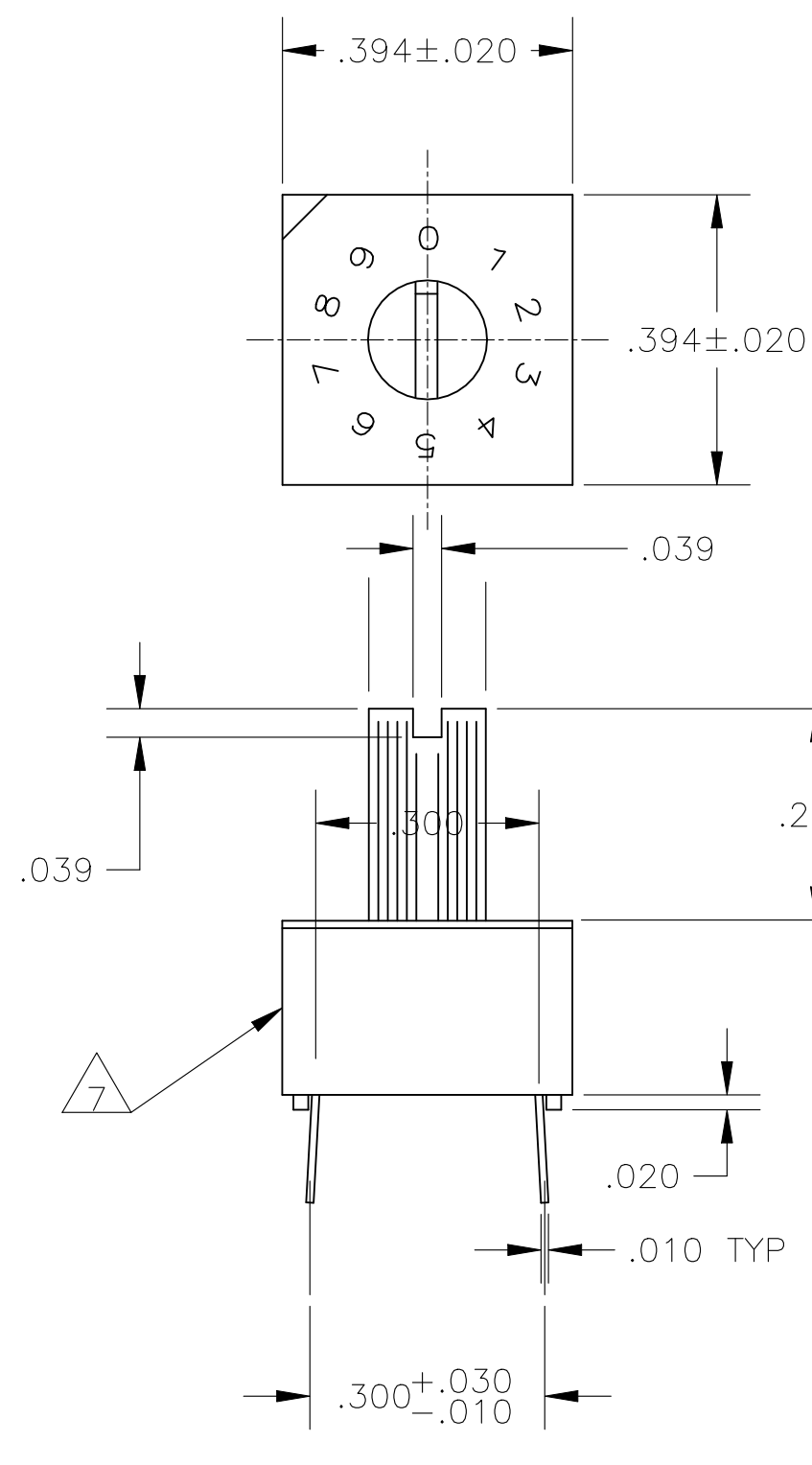
CUSTOMER DRAWING

SCALE1:1SHEET1 OF 2REV A5

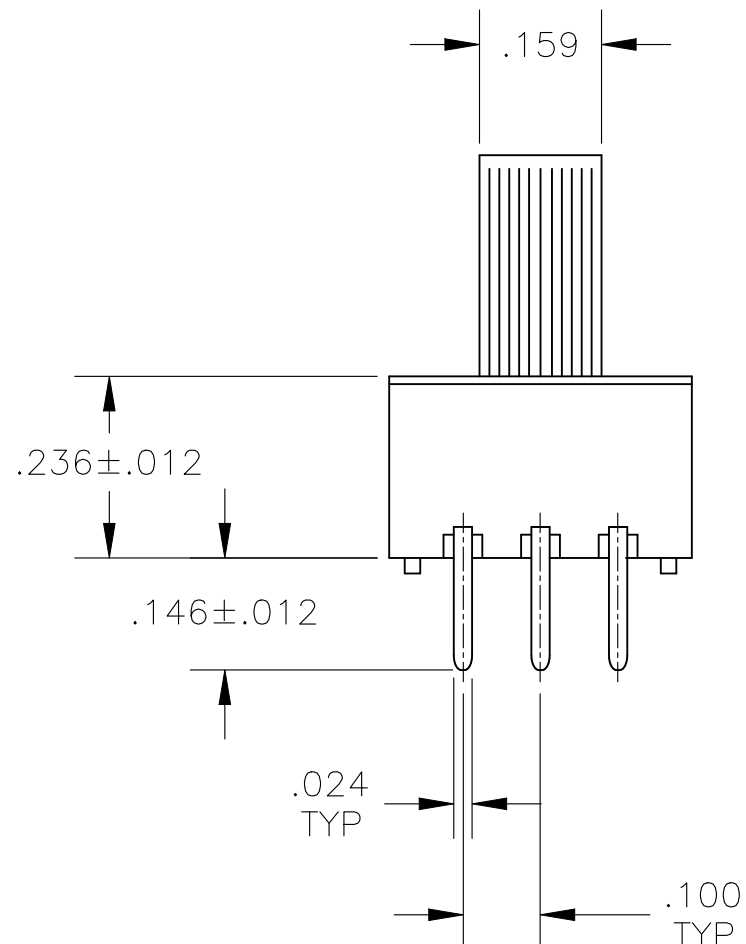
TE Connectivity

ROTARY
DIP SWITCH

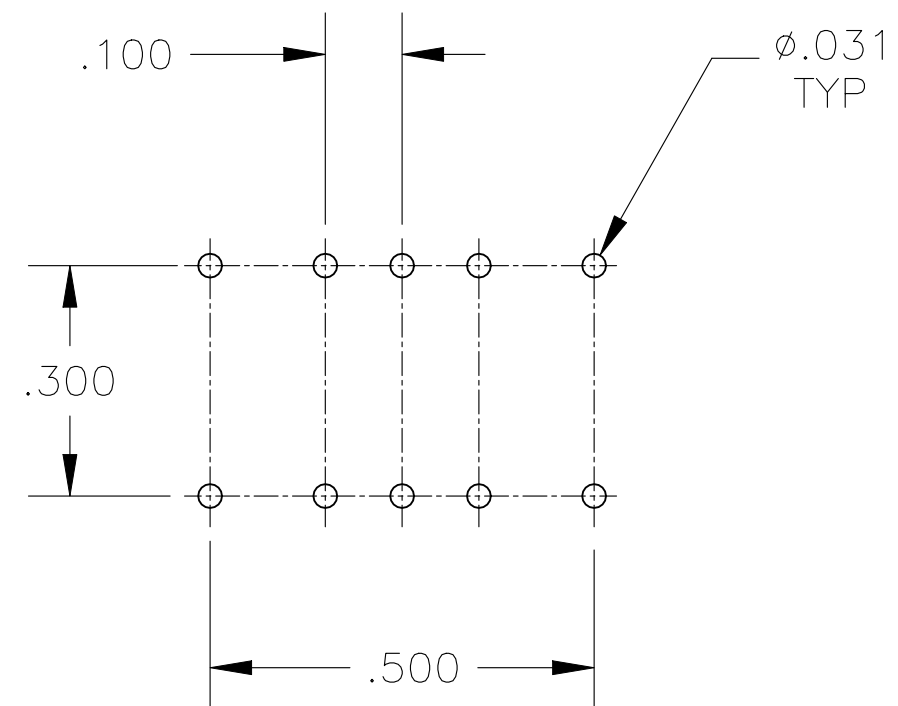
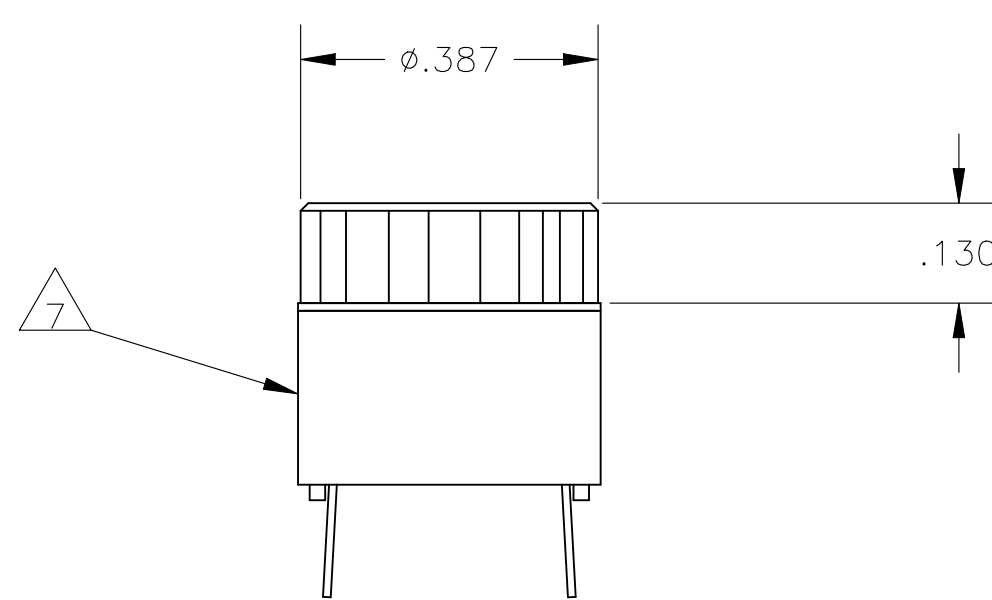
4805 (1/15)



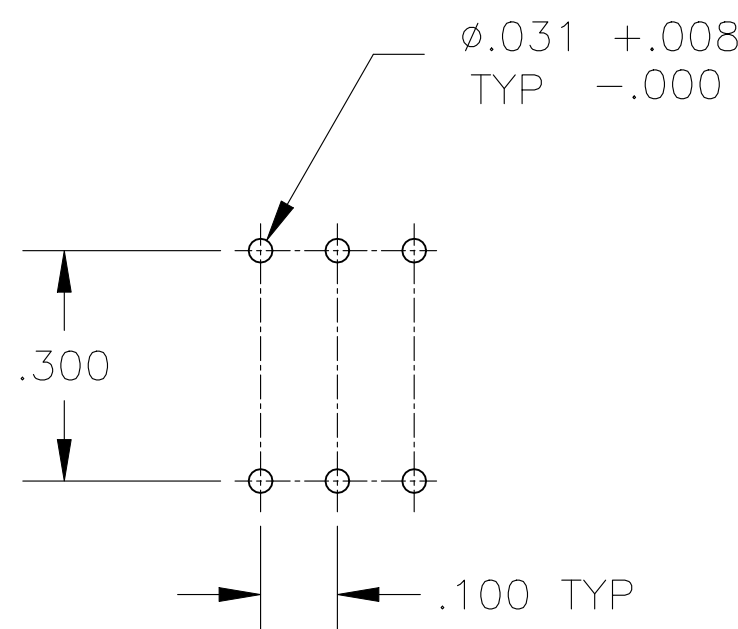
DRM
PC MOUNT



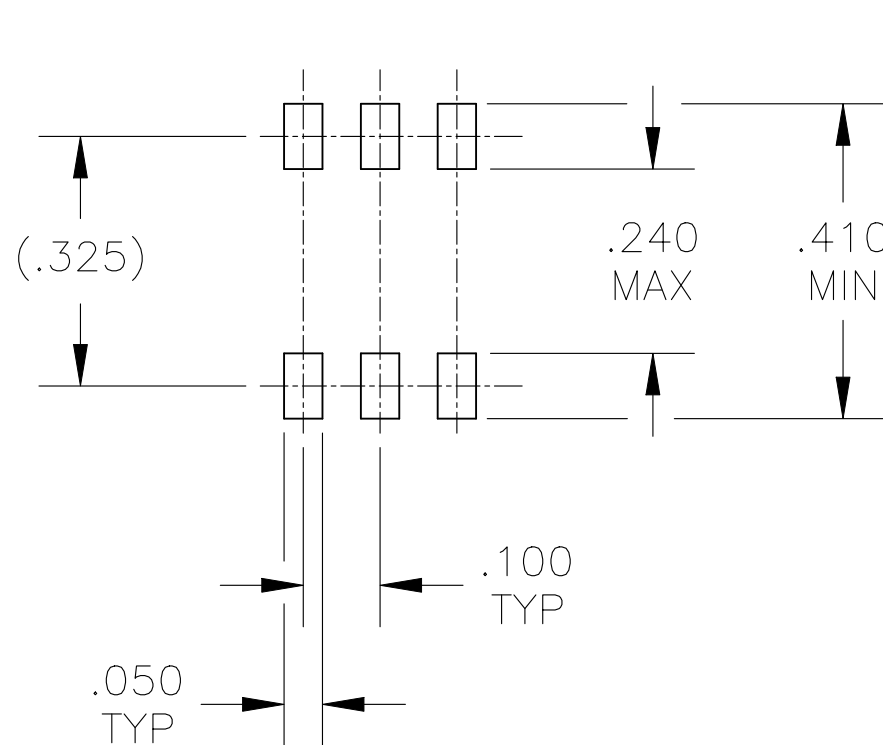
DRW
PC MOUNT



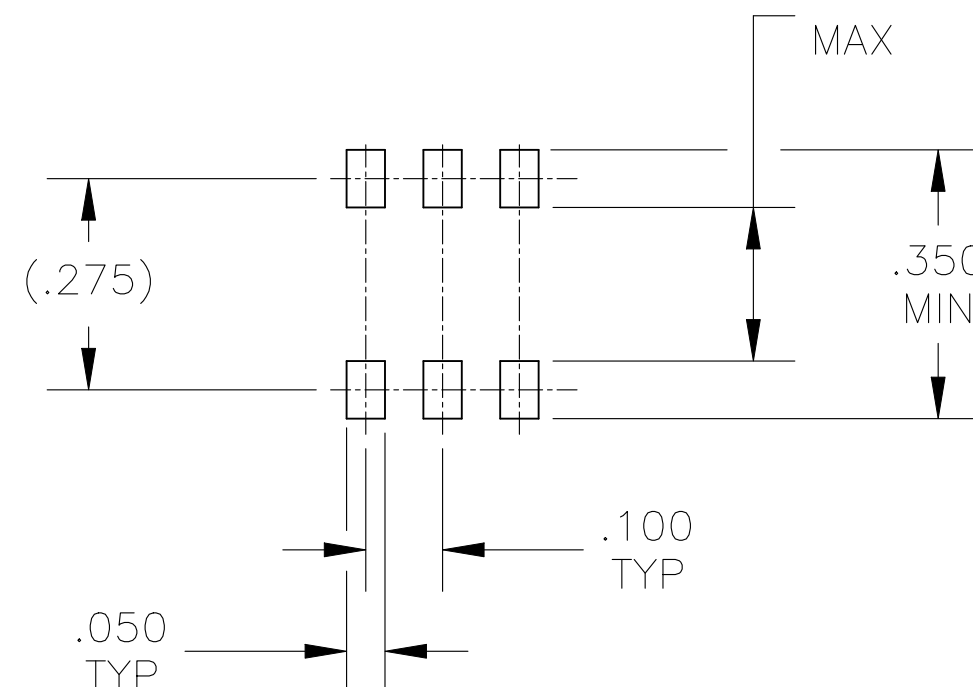
'S' STYLE VERTICAL



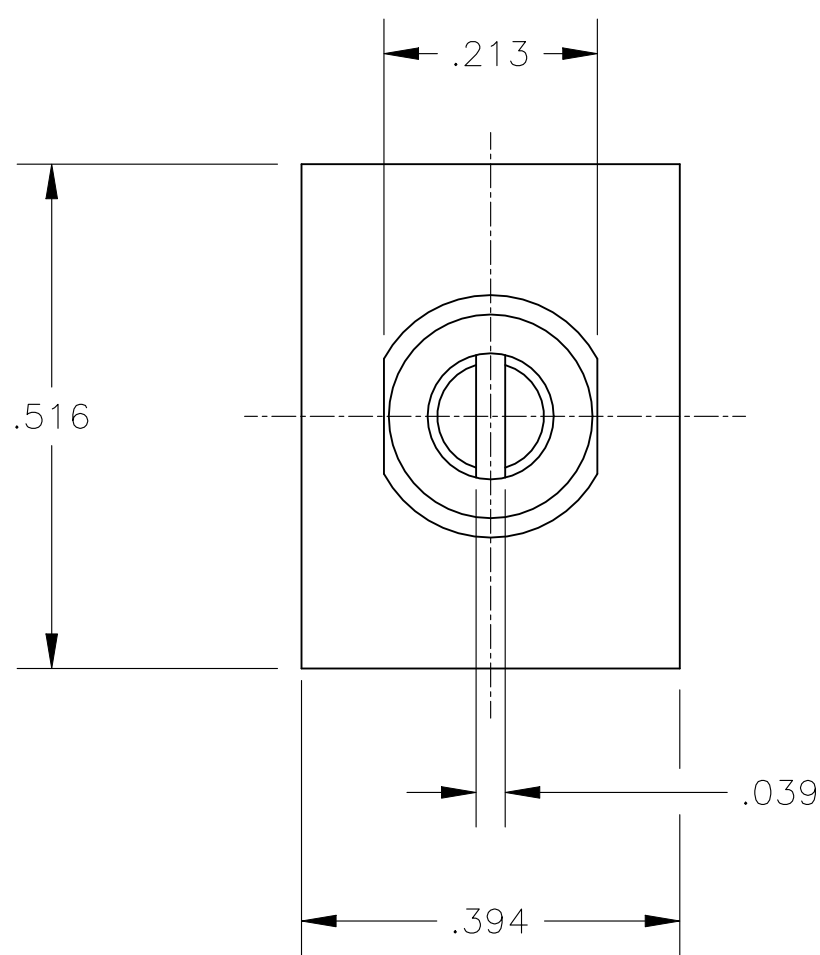
PC



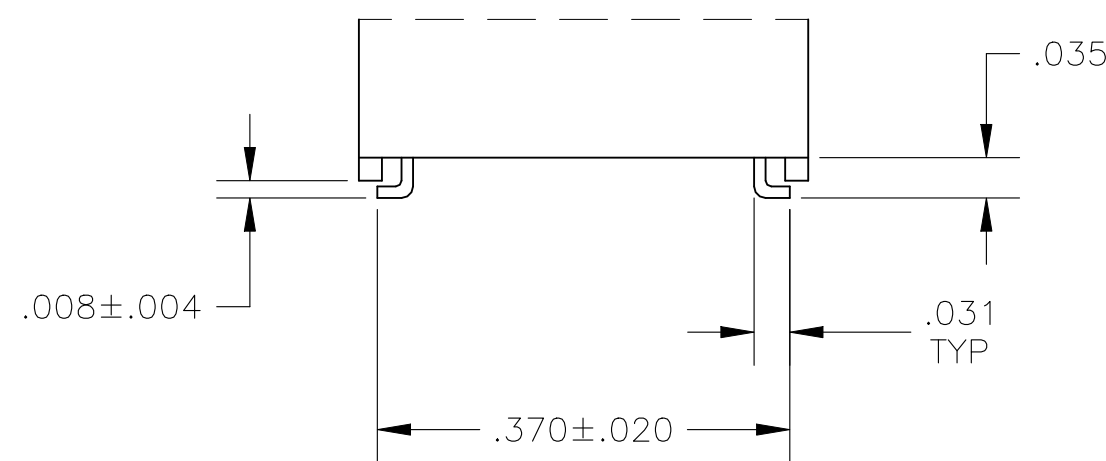
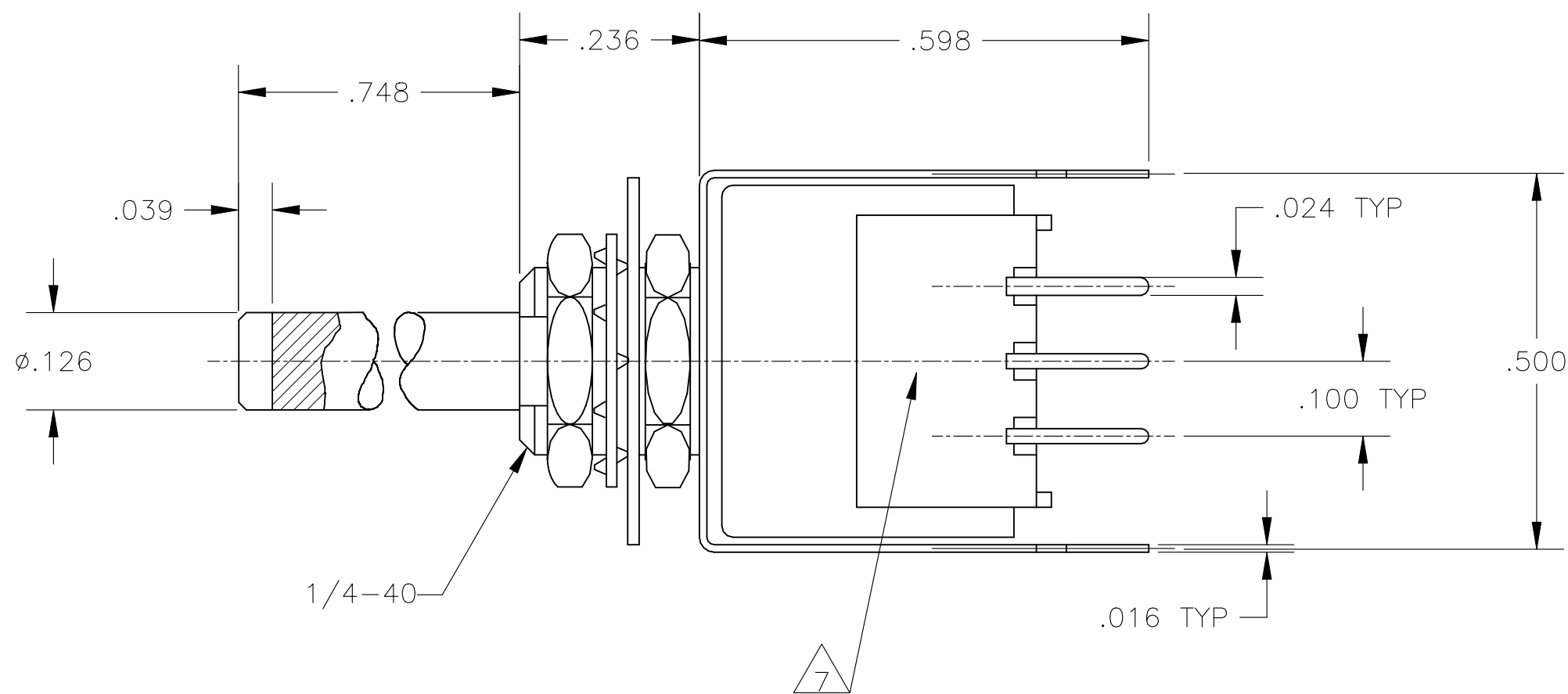
OUTSIDE "L"



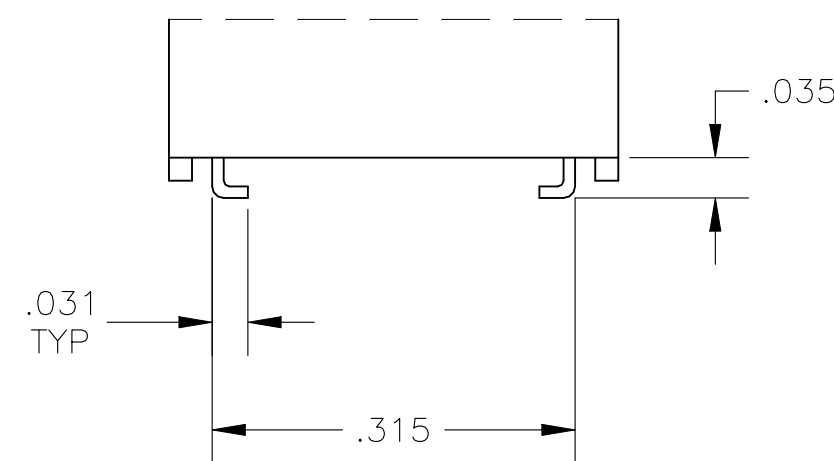
INSIDE "L"



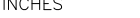
DRS
"S" STYLE VERTICAL



"S" OUTSIDE L TERMINAL
VERTICAL



"SA" INSIDE L TERMINAL
VERTICAL

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BSV	20JUN05	 TE Connectivity		
		CHK MSS	--			
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD --		NAME ROTARY DIP SWITCH		
		PRODUCT SPEC				
	0. PLC ± . 1. PLC ± . 2. PLC ± . 3. PLC ± .010 4. PLC ± . ANGLES ± 1°	APPLICATION SPEC		SIZE CAGE CODE DRAWING NO A1 00779 C 1825033		
		WEIGHT				
MATERIAL		FINISH	CUSTOMER DRAWING		SCALE 4:1	SHEET 2 OF 2
-		-			REV A5	