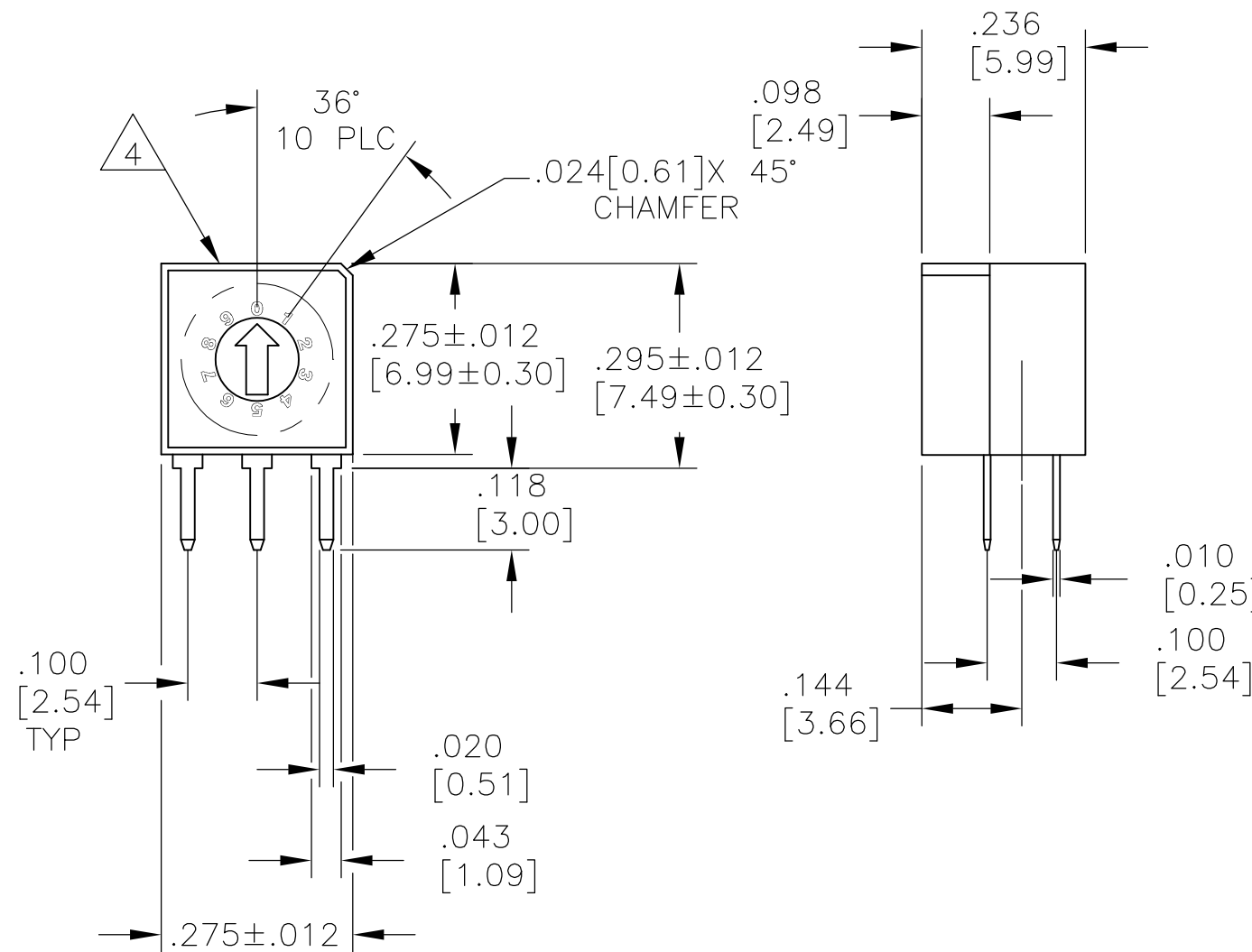
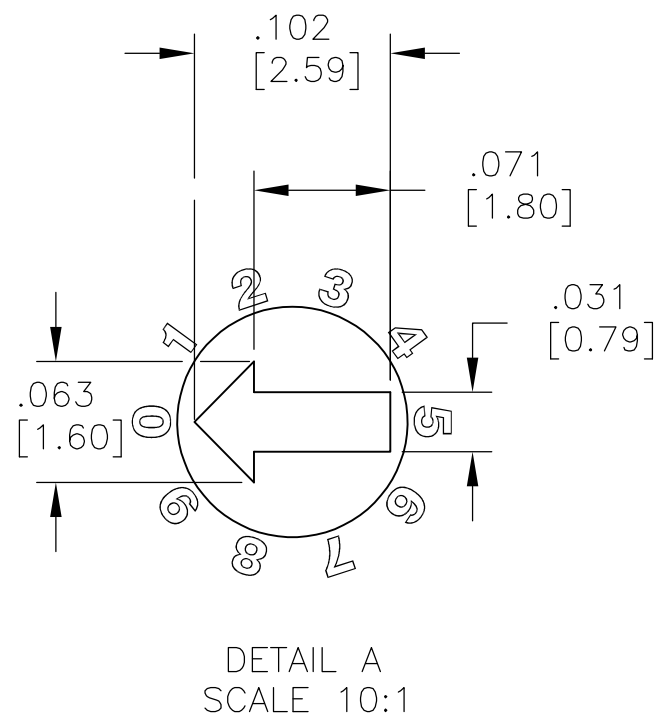
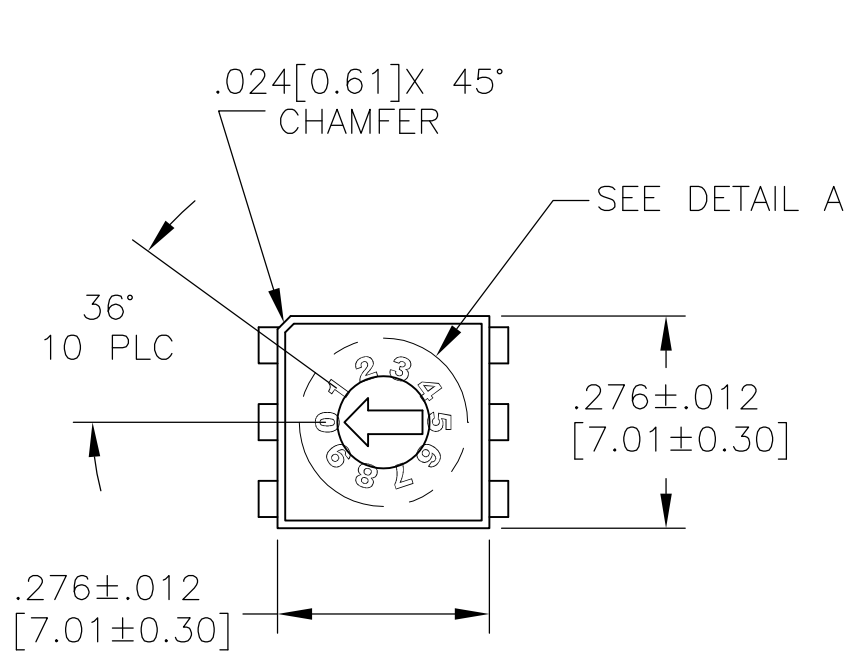
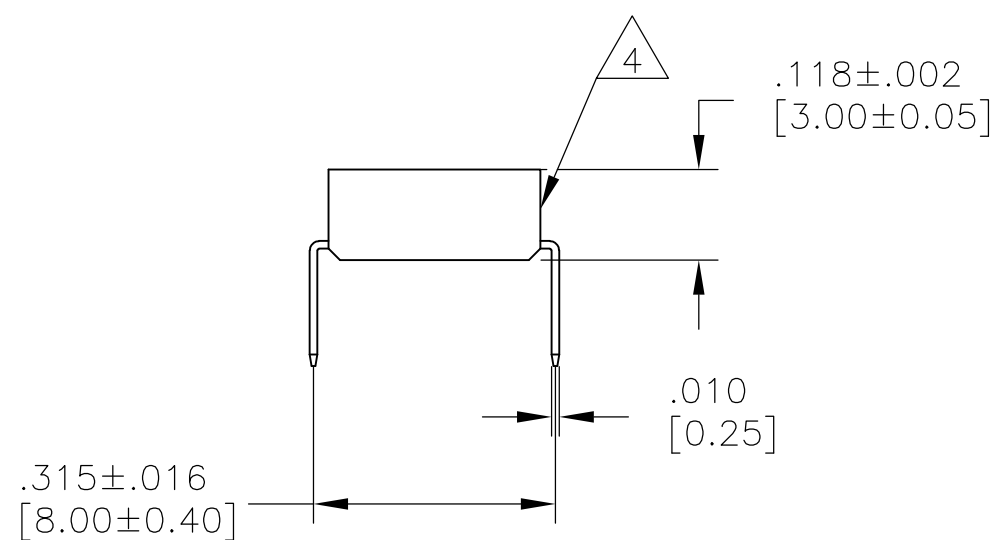


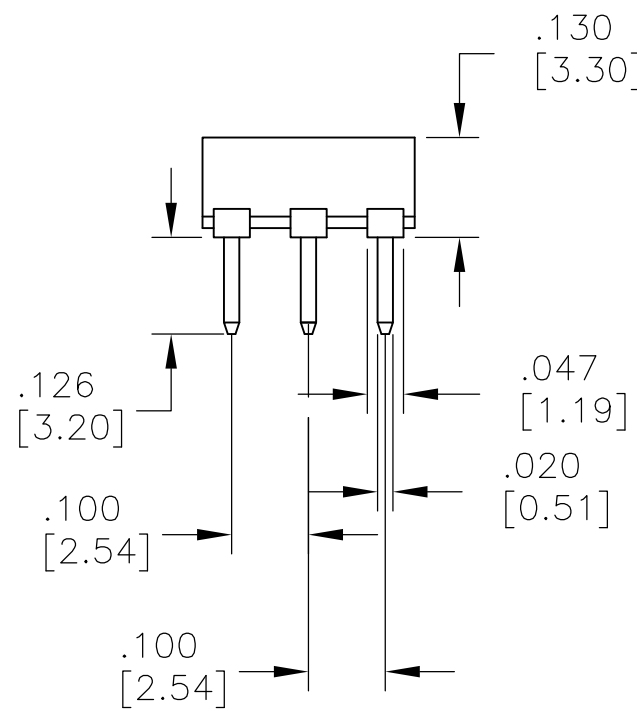
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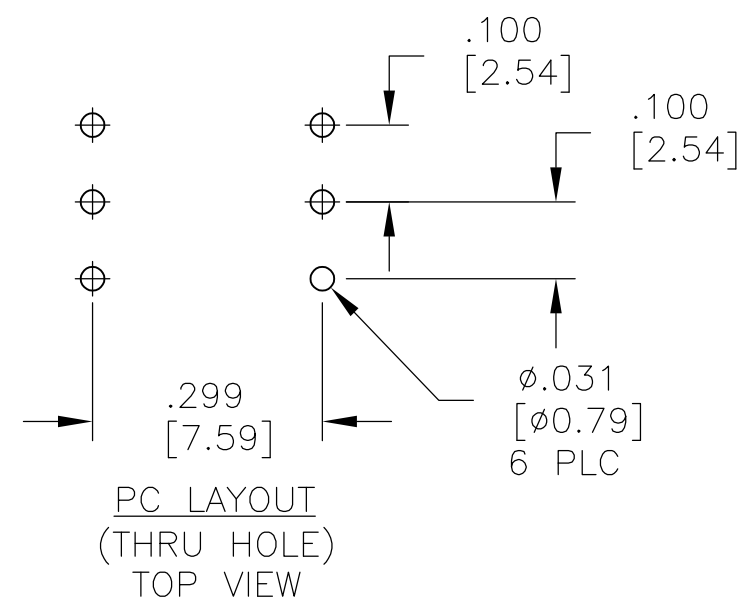
RIGHT ANGLE THRU HOLE MOUNT



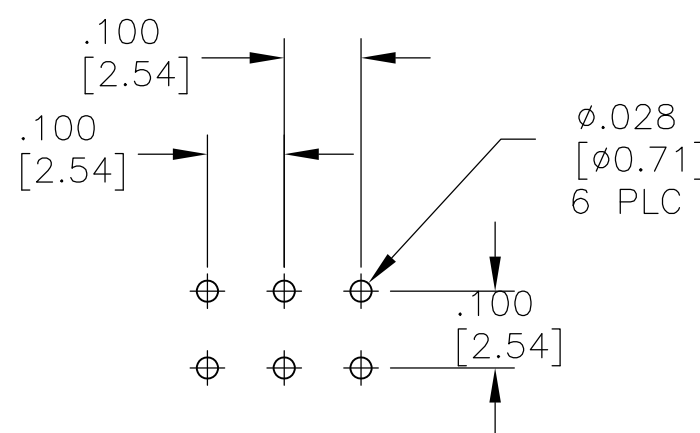
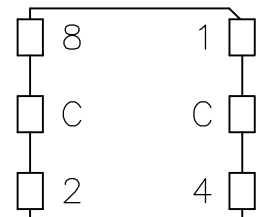
THRU HOLE MOUNT



TERMINATION IDENTIFICATION
VIEWED FROM BOTTOM OF SWITCH



PC LAYOUT
(THRU HOLE)
TOP VIEW



PC LAYOUT
(RIGHT ANGLE THRU HOLE)
TOP VIEW

HOW TO ORDER: MRD- [] [] []

CIRCUIT TYPES:
10 = BC DECIMAL
10C = BCD COMPLIMENT
16 = HEXADECIMAL
16C = HEXADECIMAL COMPLIMENT

TERMINATIONS:
BLANK = PC
S = OUTSIDE L, SURFACE MOUNT
RA= RIGHT ANGLE

PACKAGING:
TR = TAPE & REEL
(SURFACE MOUNT ONLY
SEE SHEET 3)

SPECIFICATIONS:

MATERIAL

CASE & COVER, PPS, UL94V-0, BLACK
ACTUATOR/ROTOR, PA46, UL94V-0, SEE P/N TABLE FOR COLOR
FIXED CONTACT/TERMINAL: COPPER ALLOY-GOLD OVER NICKEL PLATE
MOVING CONTACT, COPPER ALLOY- GOLD OVER NICKEL PLATE
PLATE, STAINLESS STEEL
SPRING, STAINLESS STEEL
O-RING, RUBBER

ELECTRICAL

MAX CONTACT RATING SWITCHING, .4VA @ 20 V AC OR DC
MIN CONTACT RATING SWITCHING, 1MICROAMP @ 1 MILLIVOLT
INITIAL CONTACT RESISTANCE, 100 MILLIOHMS MAX. @ 2V DC 10MILLIAMPS
CONTACT RESISTANCE AFTER TEST, 300 MILLIOHMS MAX.
INSULATION RESISTANCE, 1,000 MEGOHMS MIN. @ 250 VDC
DIELECTRIC STRENGTH, 250 VAC RMS @ SEA LEVEL
LIFE, 10,000 STEPS MIN. @ 5V DC 10MILLIAMPS

MECHANICAL

OPERATING FORCE, 200 GF-CM MAX.
MECHANICAL LIFE, 20,000 STEPS MIN., NO LOAD

ENVIRONMENTAL

OPERATING TEMPERATURE, -30 TO +85 DEGREES C
STORAGE TEMPERATURE, -45 TO + 100 DEGREES C
VIBRATION, PER EIA-364-28D, CONDITION 1
MECHANICAL SHOCK, PER EIA-364-27B, CONDITION A
RESISTANCE TO SOLDER HEAT PER 109-202 CONDITION B (THRU-HOLE), & 109-201, CONDITION B (SURFACE MOUNT)
SOLDERABILITY PER JIS-C-0050 & JIS-C-0053

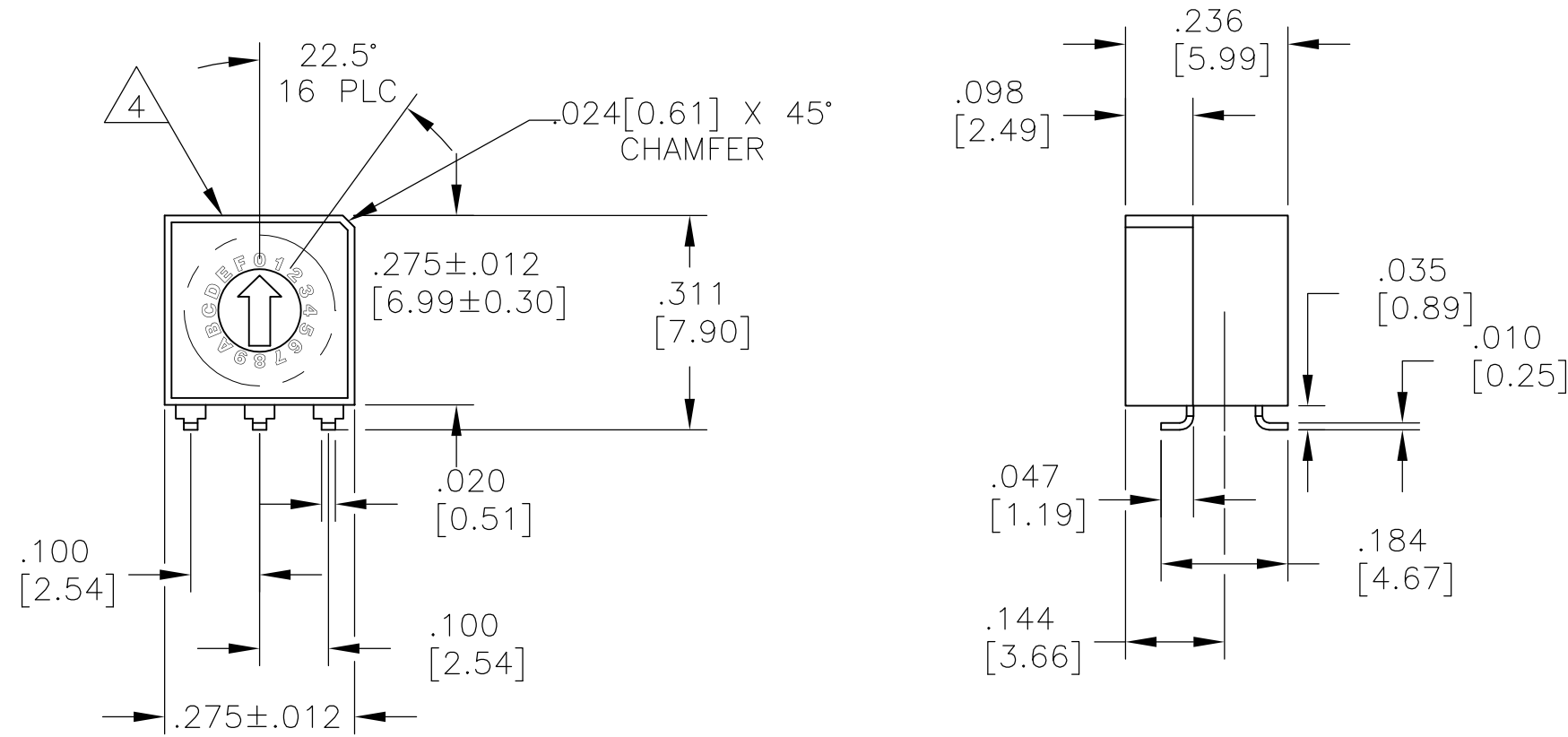
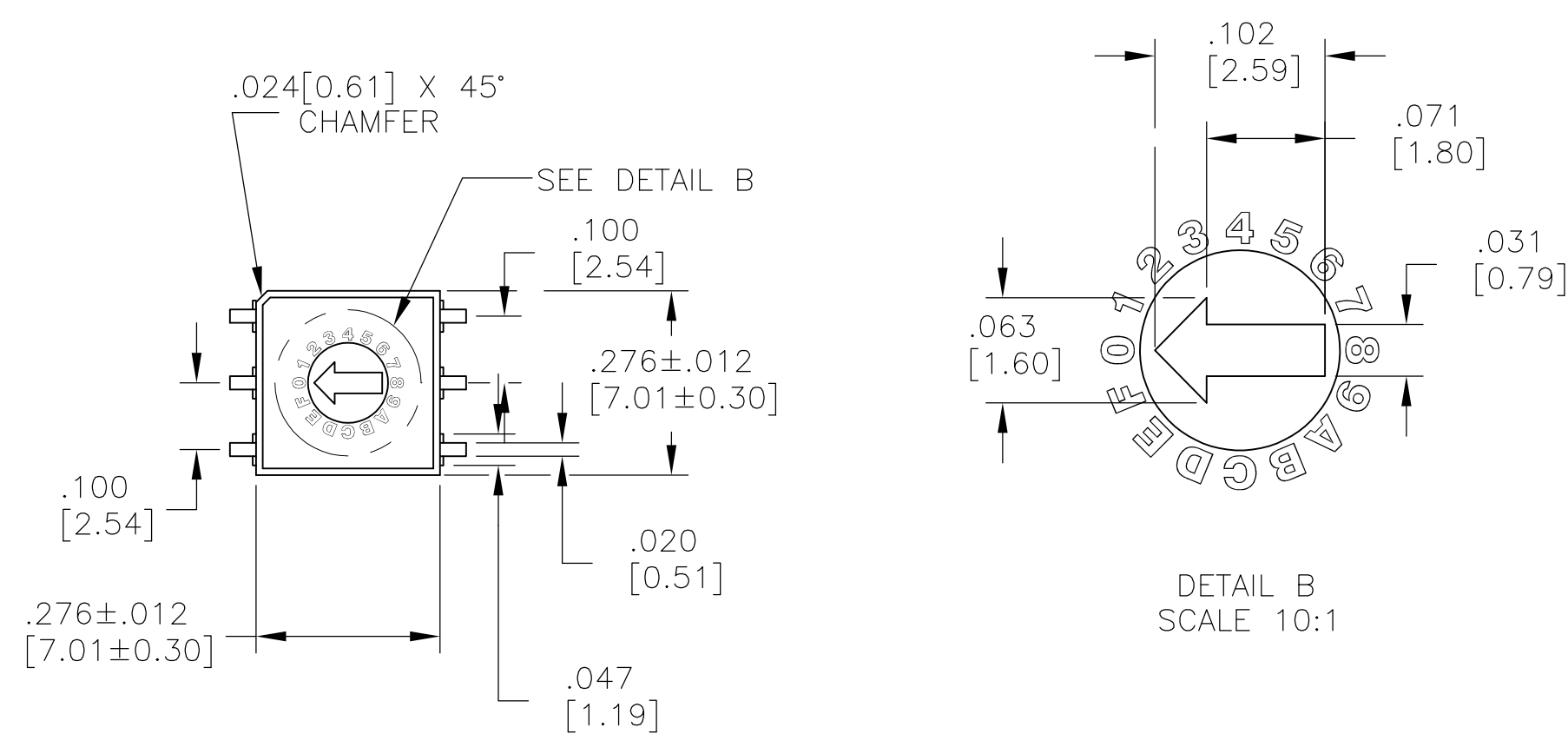
NOTES:

- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- TO BE SUPPLIED WITH ACTUATOR AT POSITION "7" FOR MRD10C & MRD10CS, POSITION "F" FOR MRD16C & MRD16CS AND POSITION "O" FOR ALL REMAINING MODELS
- TAPE & REEL PKG PER EIA 481 TAPE WIDTH 16mm, PITCH 16mm.

- 4 LOCATE "ALCO" TRADE NAME AND LOT NUMBER ON THIS SURFACE. LOT NUMBER TO BE MARKED AS FOLLOWS.
- | | |
|-----------|-----------|
| 1ST DIGIT | 2ND DIGIT |
| YEAR | MONTH |

GREEN	MRD16RASTR04	2-1825013-4
WHITE	MRD16CRASTR04	2-1825013-3
RED	MRD10RASTR04	2-1825013-2
ORANGE	MRD10CRASTR04	2-1825013-1
GREEN	MRD16STR04	2-1825013-0
GREEN	MRD16S04	1-1825013-9
GREEN	MRD16RAS04	1-1825013-8
GREEN	MRD16RA04	1-1825013-7
WHITE	MRD16CSTR04	1-1825013-6
WHITE	MRD16CS04	1-1825013-5
WHITE	MRD16CRAS04	1-1825013-4
WHITE	MRD16CRA04	1-1825013-3
WHITE	MRD16C04	1-1825013-2
GREEN	MRD1604	1-1825013-1
RED	MRD10STR04	1-1825013-0
RED	MRD10S04	1825013-9
RED	MRD10RAS04	1825013-8
RED	MRD10RA04	1825013-7
ORANGE	MRD10CSTR04	1825013-6
ORANGE	MRD10CS04	1825013-5
ORANGE	MRD10CRAS04	1825013-4
ORANGE	MRD10CRA04	1825013-3
ORANGE	MRD10C04	1825013-2
RED	MRD1004	1825013-1
ROTOR COLOR	OLD T&B P/N	P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER 25JUL02	TE Connectivity	
		CHK M. SARVER 25JUL02		
DIMENSIONS: INCHES[mm]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. SARVER 25JUL02	NAME	
	0 PLC ± -	PRODUCT SPEC	MRD SERIES 7MM ROTARY DIP SWITCH	
	1 PLC ± -	APPLICATION SPEC		
	2 PLC ± -	—	SIZE CAGE CODE DRAWING NO	
	3 PLC ± .010[0.25]	—		
	4 PLC ± -	—	RESTRICTED TO	
	ANGLES ± -	—		
MATERIAL SEE SPECIFICATION	FINISH —	WEIGHT —	A1 00779 1825013	
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 2	REV B1



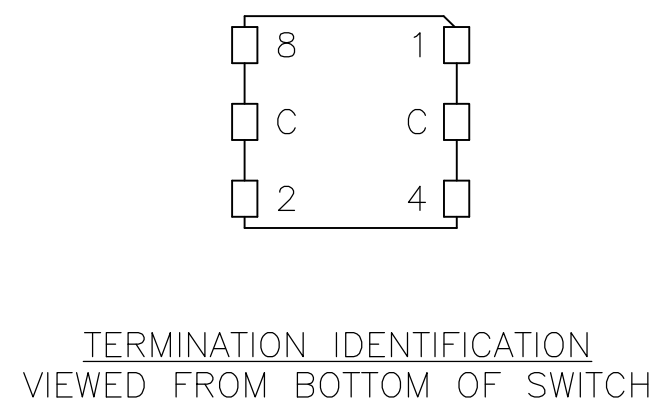
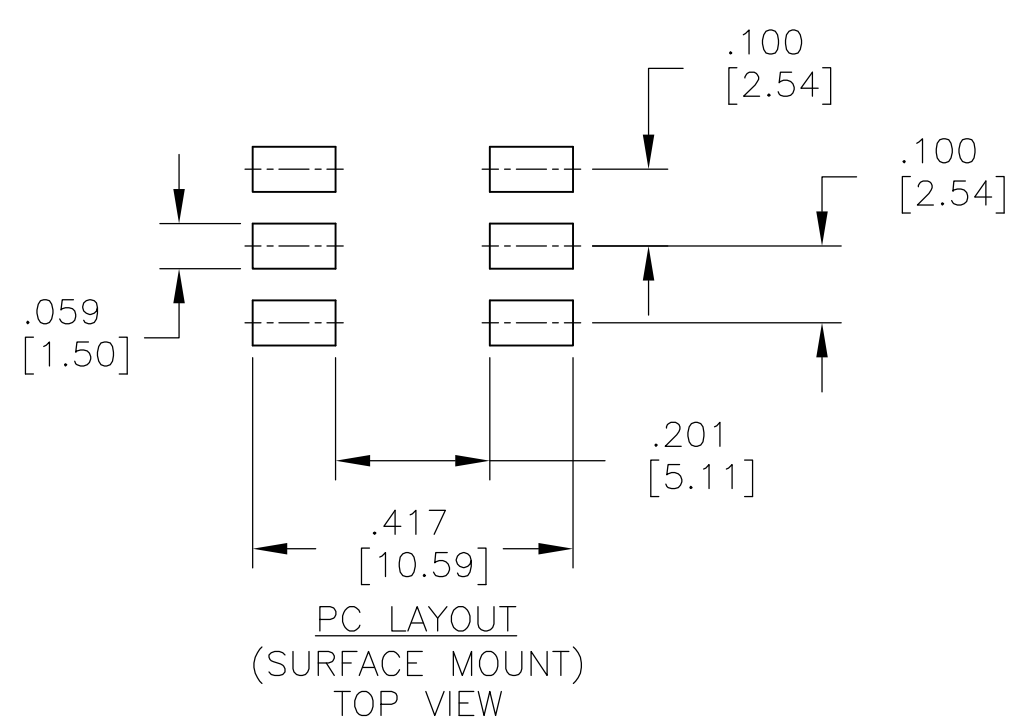
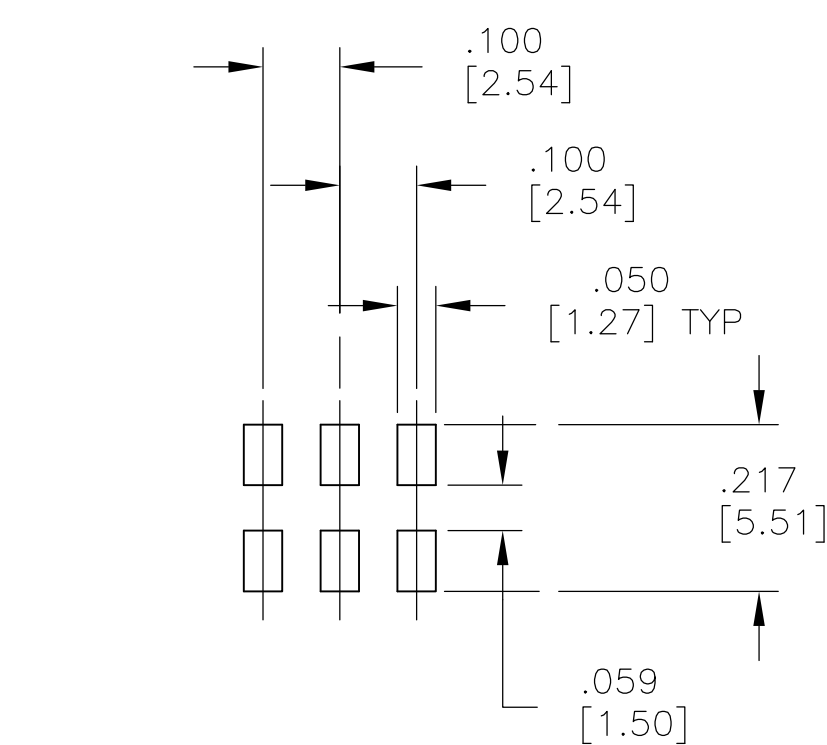
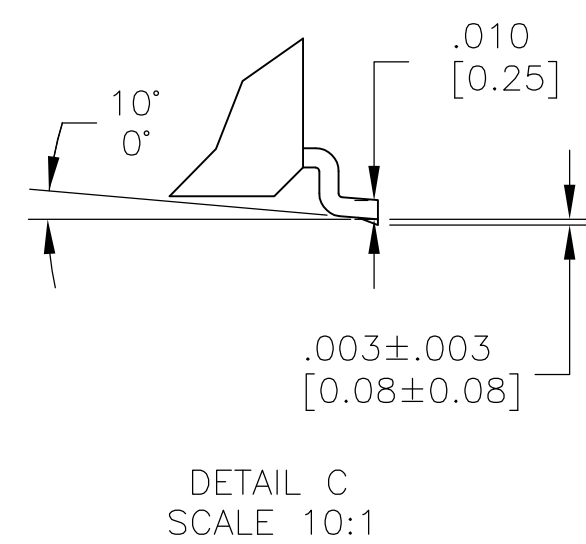
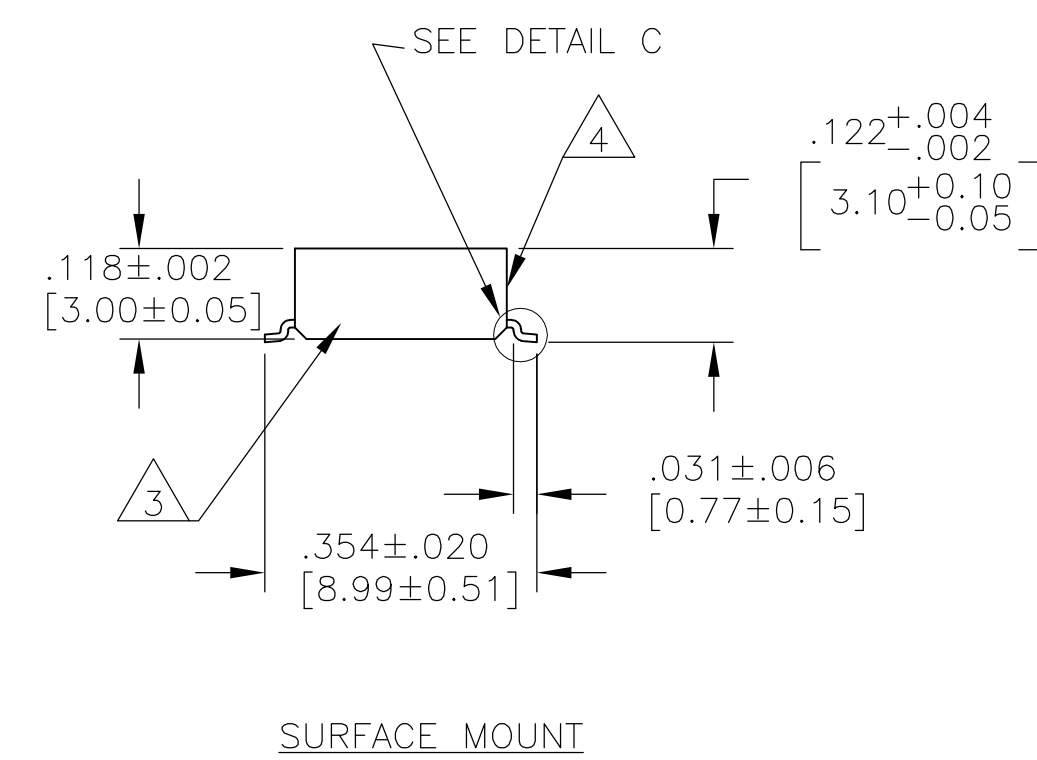
RIGHT ANGLE SURFACE MOUNT

[illegible][illegible]

16 POSITION, HEXADECIMAL																
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

16 POSITION, HEXADECIMAL COMPLEMENT																
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		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								

COLOR CODE	
CIRCUIT TYPE	ACTUATOR COLOR
10	RED
10C	ORANGE
16	GREEN
16C	WHITE



Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[MRD10CSTR04](#) [MRD1004](#) [MRD1604](#) [MRD10S04](#) [MRD10STR04](#) [MRD16C04](#) [MRD16STR04](#)