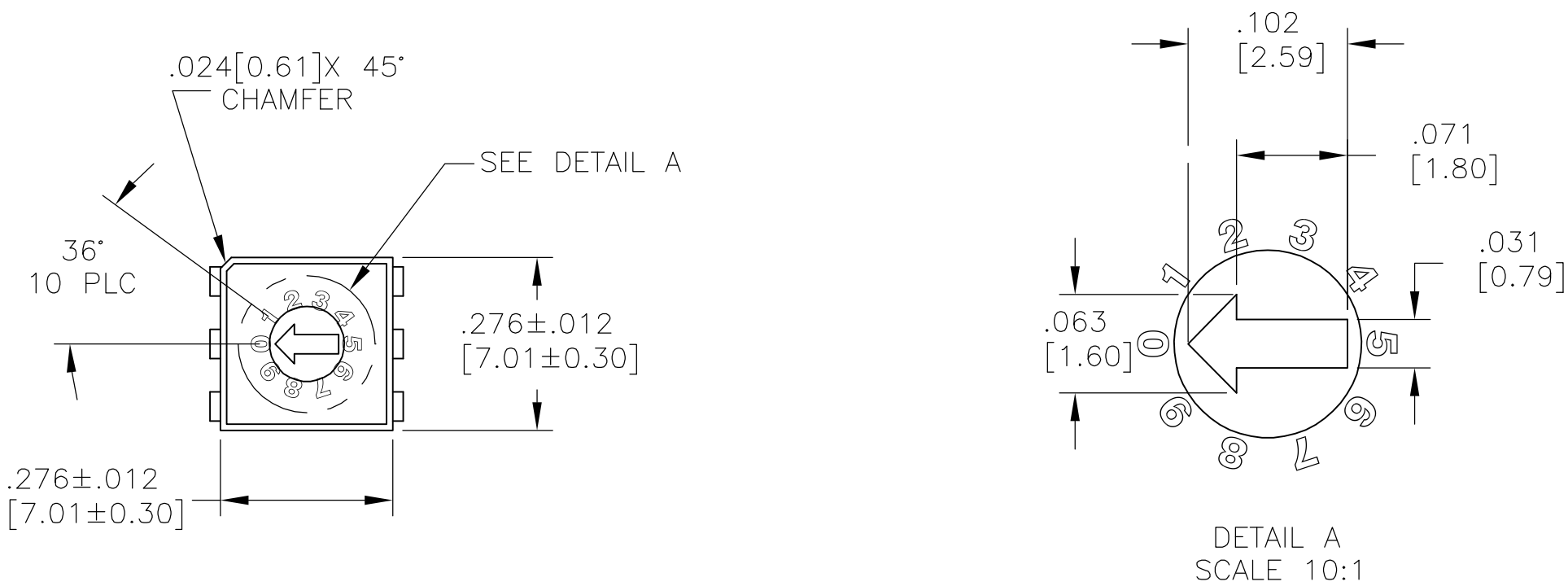
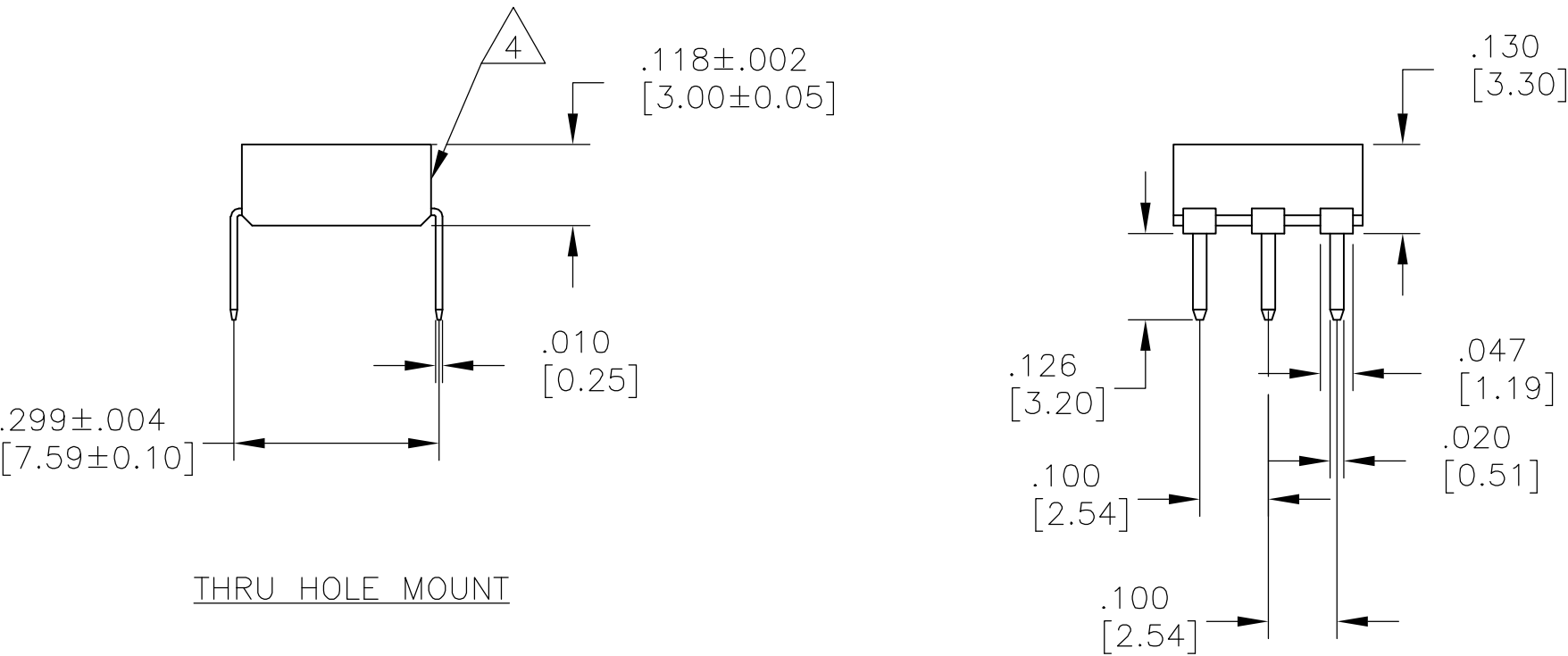


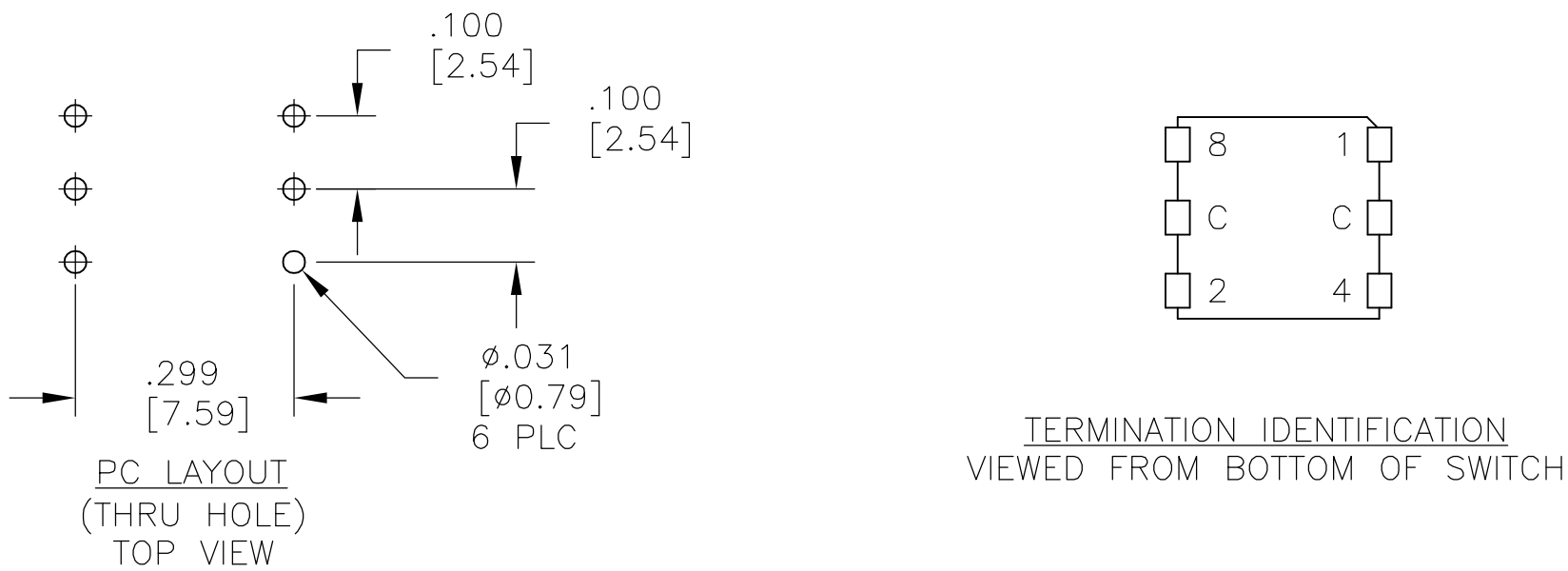
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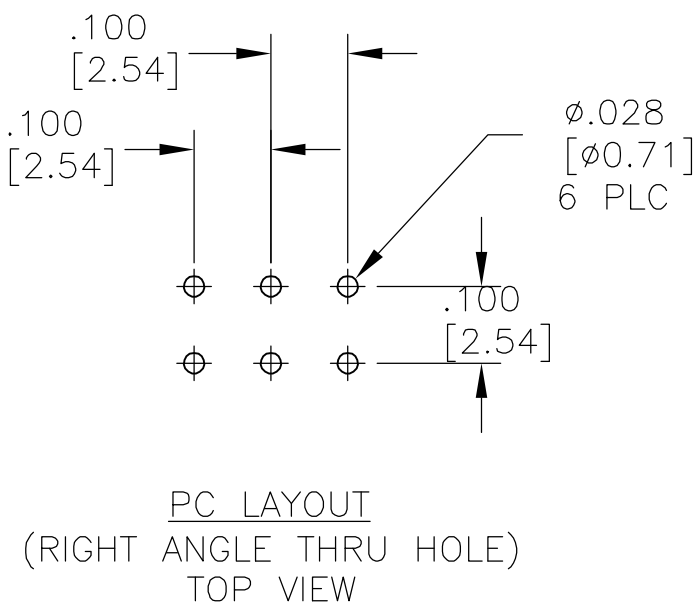
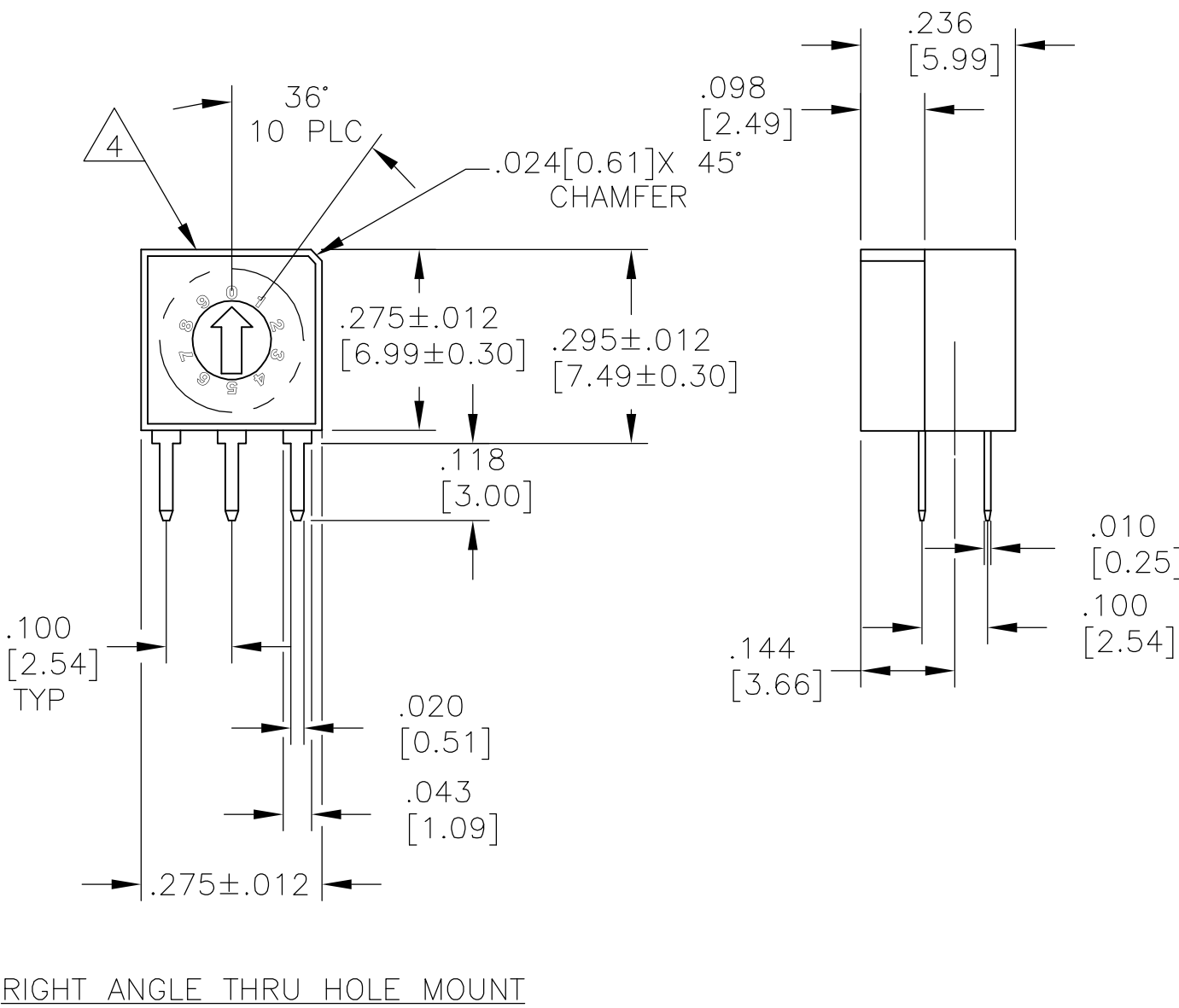
C



B



A



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

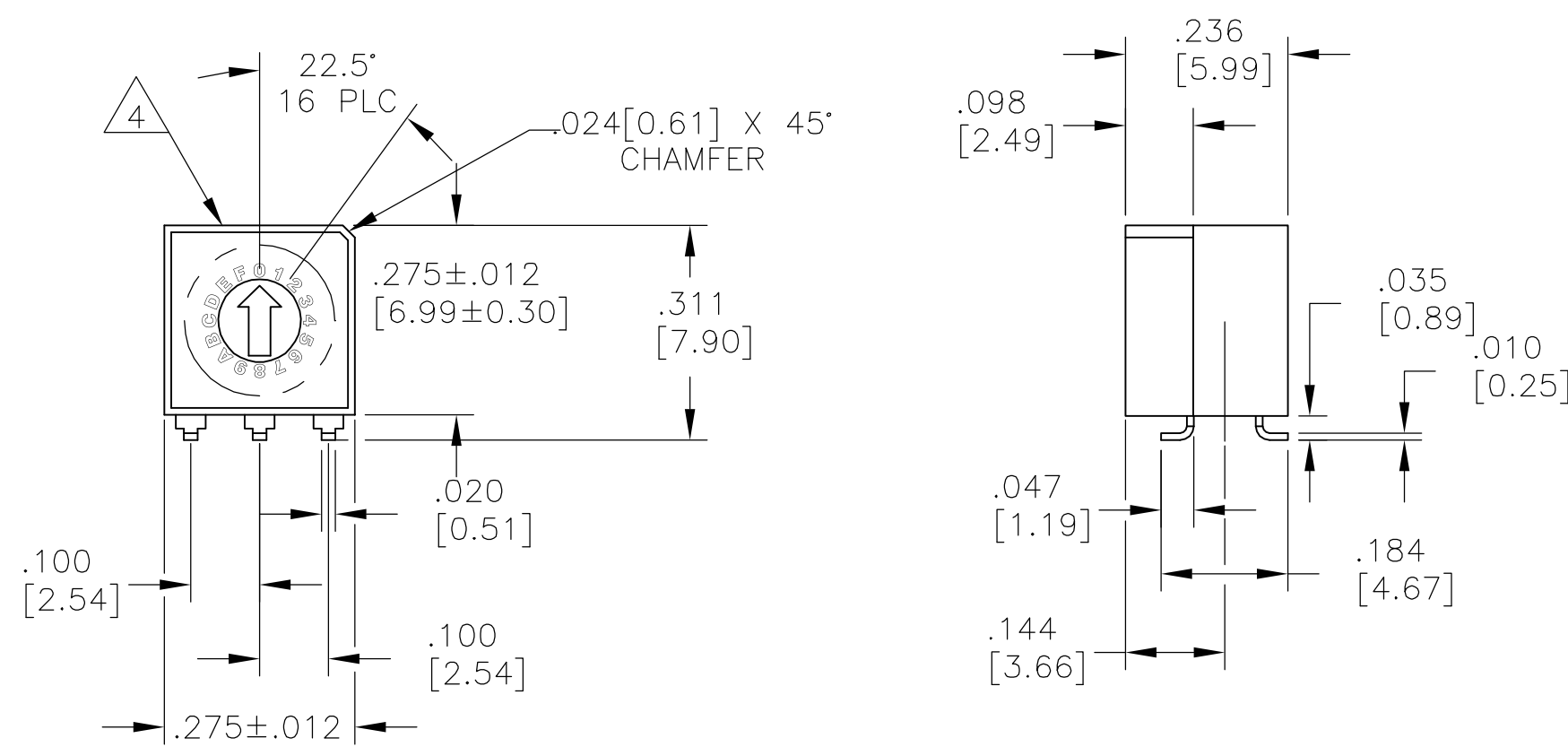
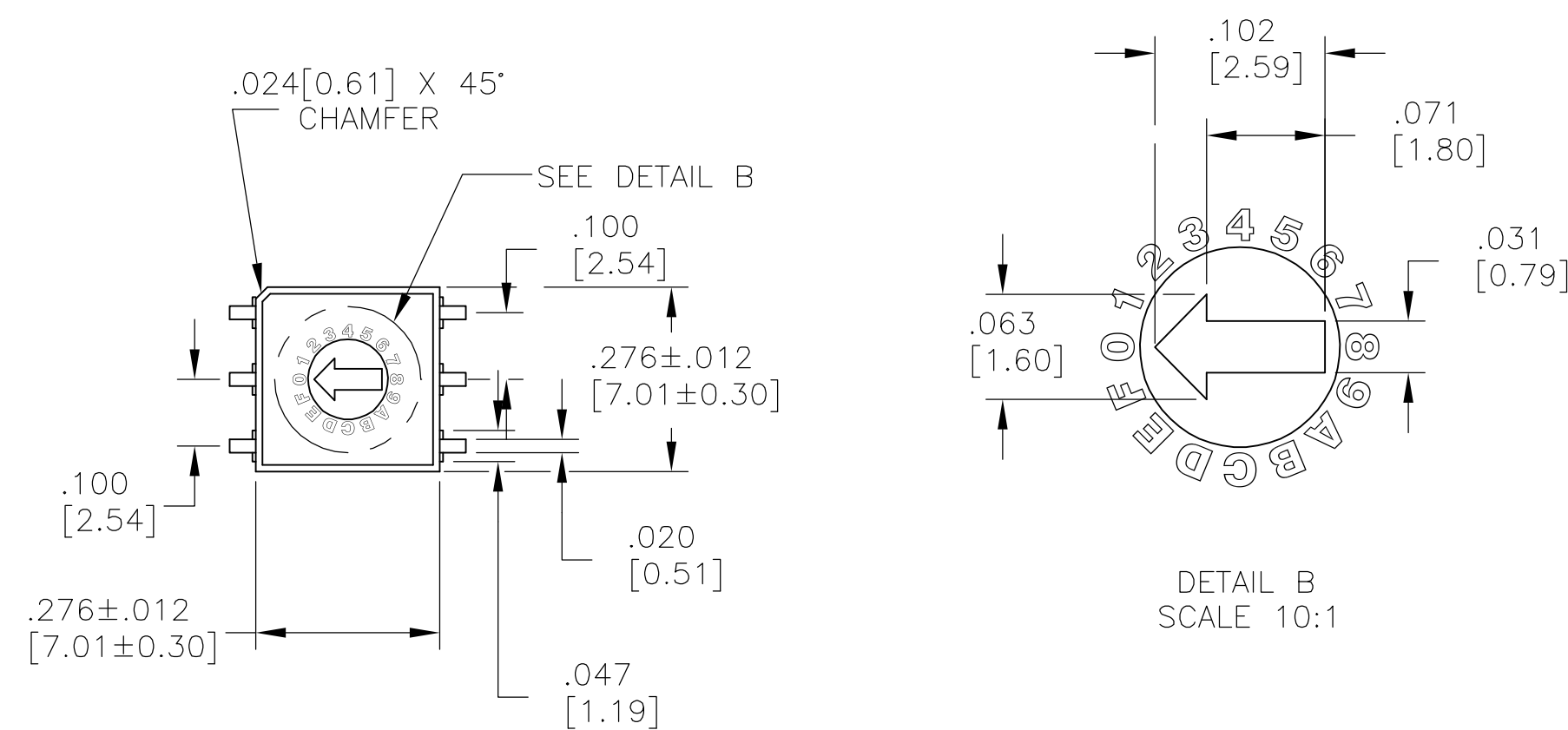
ENVIRONMENTAL
OPERATING TEMPERATURE, -30 TO +85 DEGREES C
STORAGE TEMPERATURE, -45 TO + 100 DEGREES C
VIBRATION, PER EIA-364-28D, CONDITION 1
MECHANICAL SHOCK, PER EIA-364-27B, CONDITION A
RESISTANCE TO SOLDER HEAT PER 109-202 CONDITION B (THRU-HOLE), & 109-201, CONDITION B (SURFACE MOUNT)
SOLDERABILITY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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. BINNER 25JUL02	Tyco Electronics Corporation Harriaburg, Pa 17105-3608	
DIMENSIONS: INCHES [mm]		CHK M. SARVER 25JUL02	NAME MRD SERIES 7MM ROTARY DIP SWITCH	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010[0.25] 4 PLC ± - ± 2° ANGLES ± - FINISH -		APVD M. SARVER 25JUL02	PRODUCT SPEC APPLICATION SPEC SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL SEE SPECIFICATION		WEIGHT -	A1 00779 ©=1825013	
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 2 REV A2	



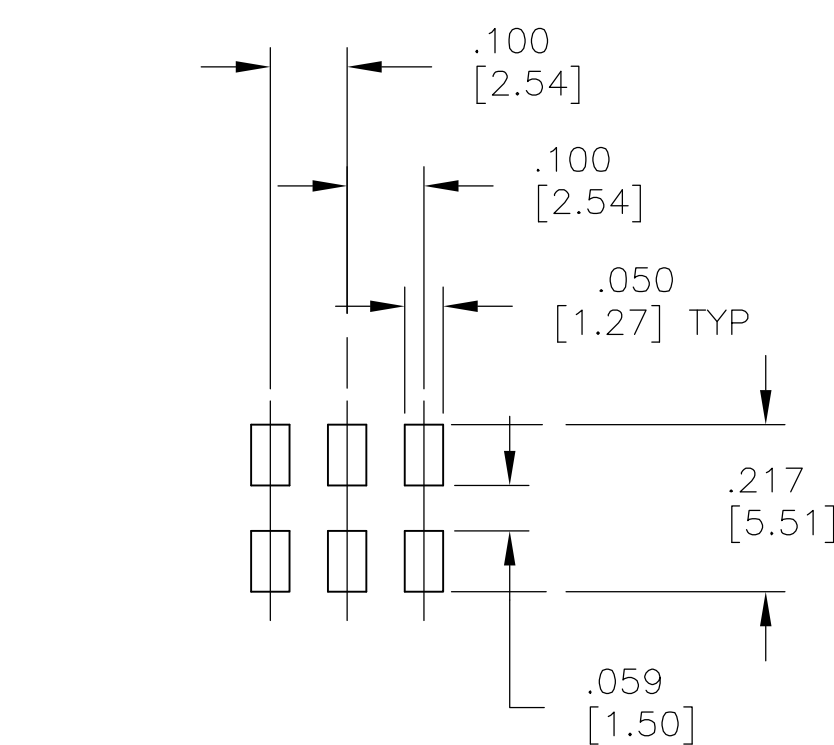
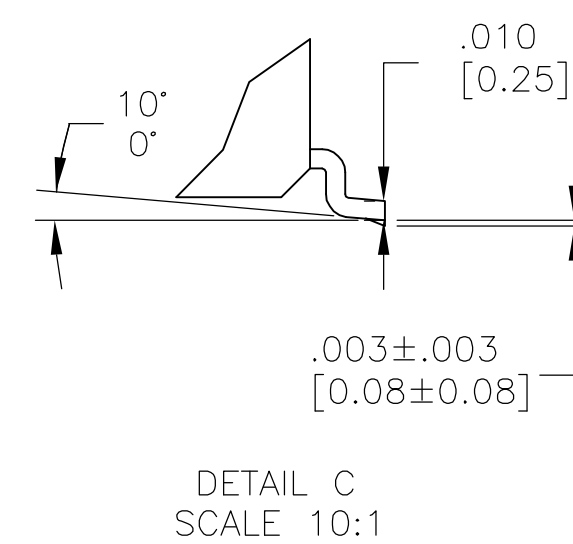
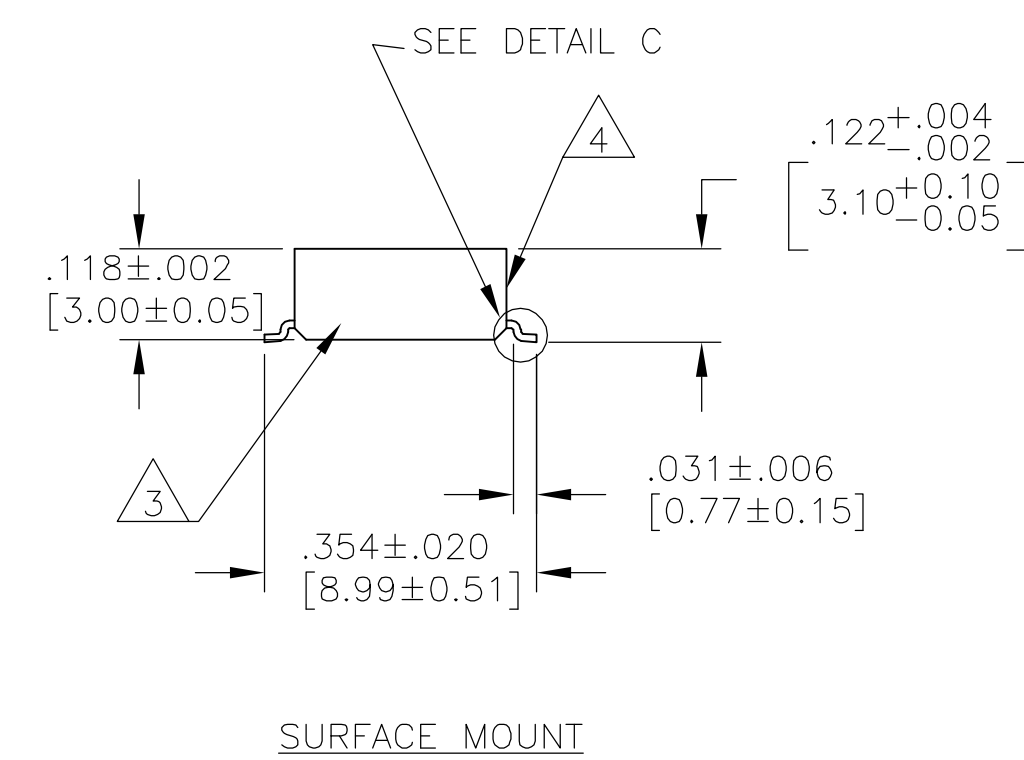
RIGHT ANGLE SURFACE MOUNT

[illegible][illegible]

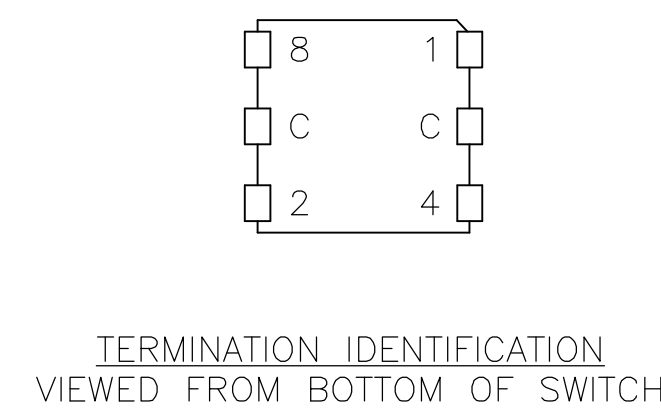
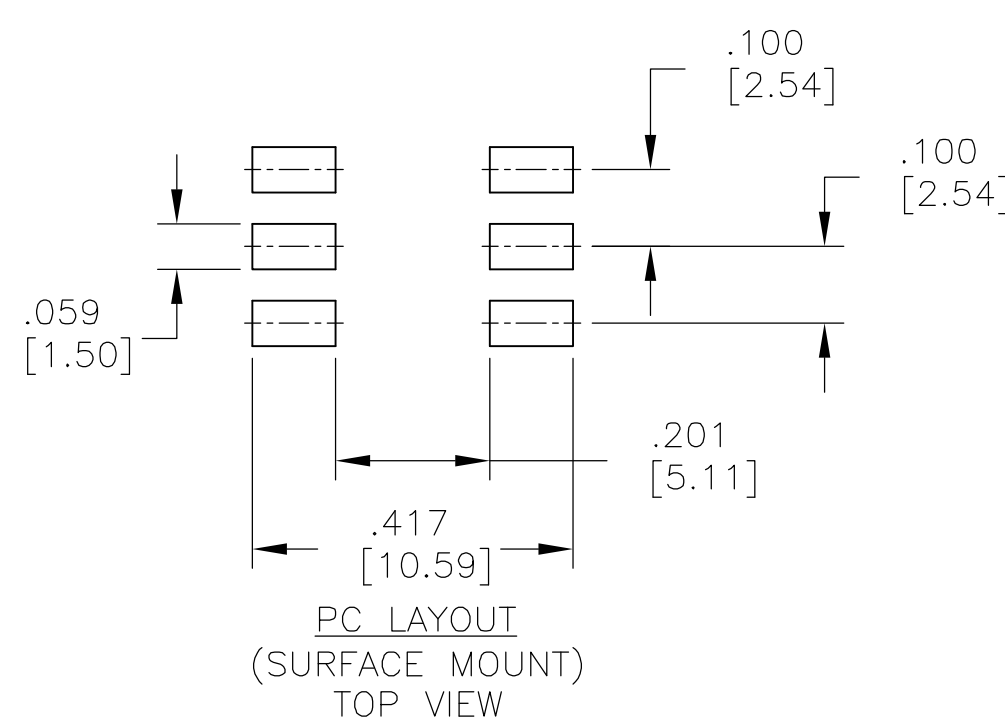
	16 POSITION, HEXADECIMAL															
POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1		X		X		X		X		X		X		X		X
2			X	X			X	X			X	X			X	X
4					X	X	X	X					X	X	X	X
8									X	X	X	X	X	X	X	X

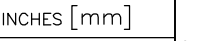
16 POSITION, HEXADECIMAL COMPLEMENT																
POS	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
C	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	X		X		X		X		X		X				X	
2	X	X			X	X			X	X				X	X	
4	X	X	X	X					X	X	X	X				
8	X	X	X	X	X	X	X	X								

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



PC LAYOUT
(RIGHT ANGLE SURFACE MOUNT)
TOP VIEW



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M.BINNER	25JUL02	 Tyco Electronics Corporation Harrisburg, Pa 17105-3608
DIMENSIONS:		CHK M.SARVER	25JUL02	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APD M.SARVER	25JUL02	
INCHES [mm]		NAME		
	0 PLC ± -	PRODUCT SPEC		MRD SERIES 7MM ROTARY DIP SWITCH
	1 PLC ± -	—		
	2 PLC ± -	APPLICATION SPEC		
	3 PLC ± .010	—		
4 PLC ± .010		—		SIZE
ANGLES		CAGE CODE		DRAWING NO
MATERIAL		FINISH		WEIGHT
SEE SHEET 1		—		—
CUSTOMER DRAWING		SCALE		SHEET
A1		00779		1825013
REV		A		2 of 2