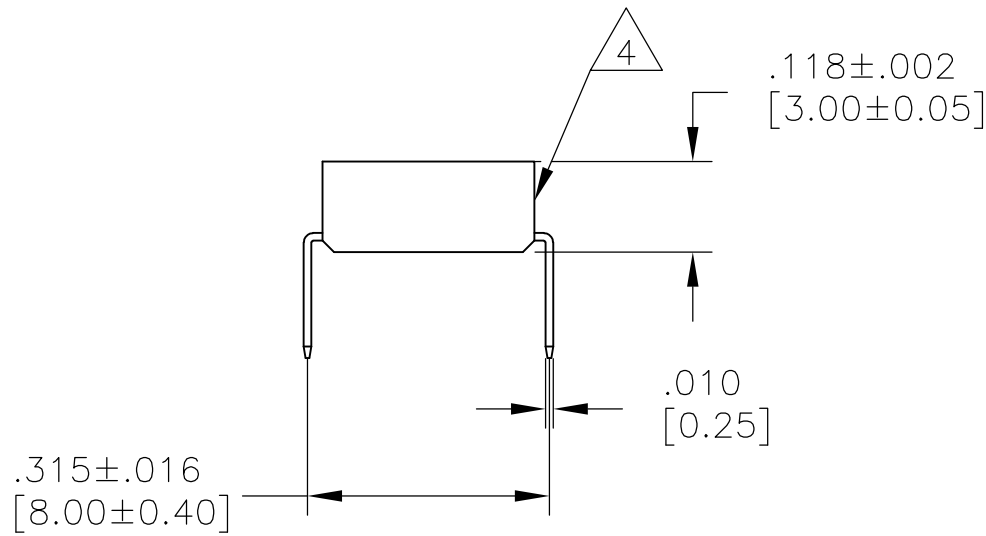
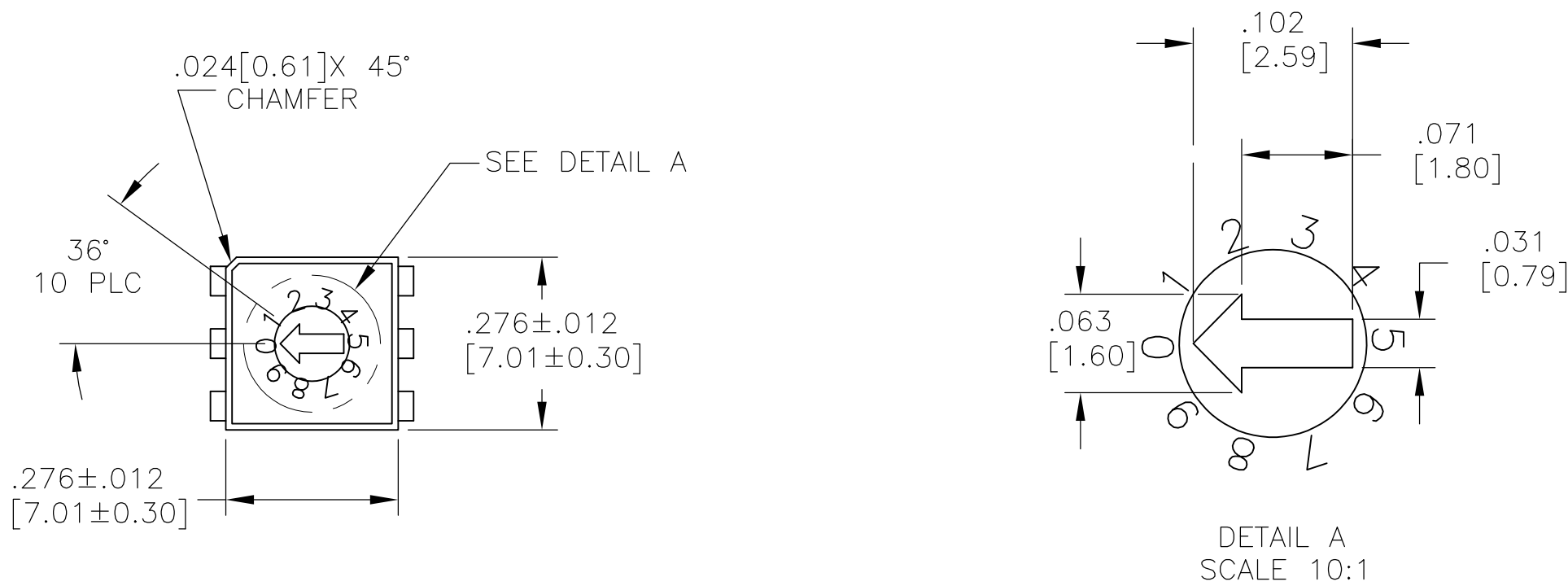
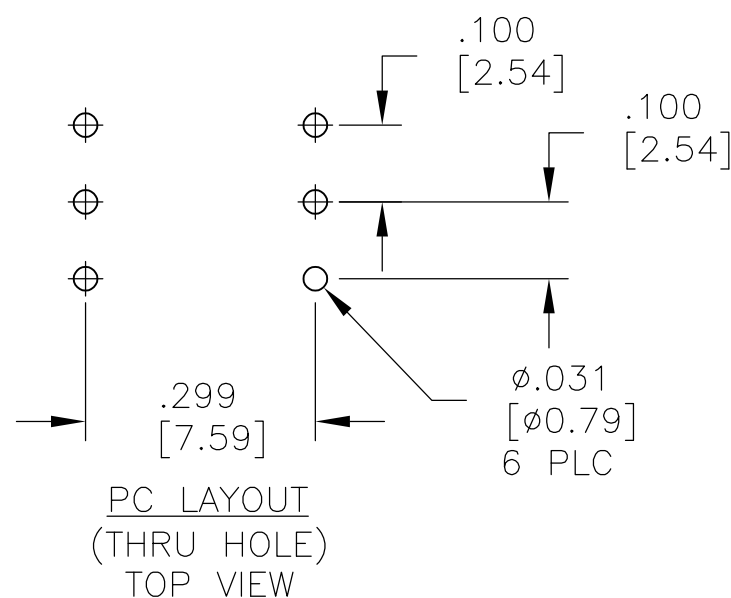


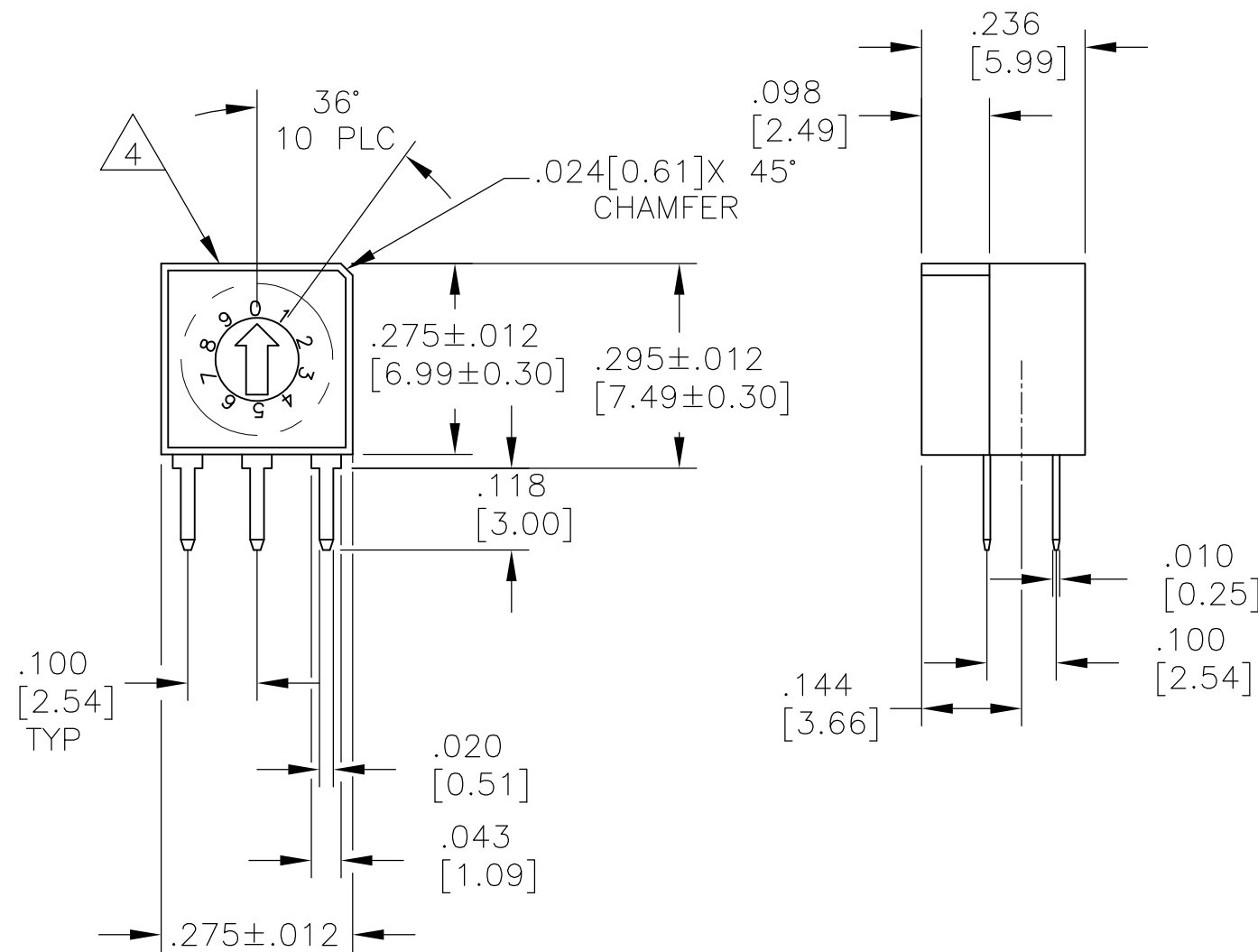
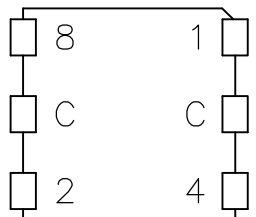
D



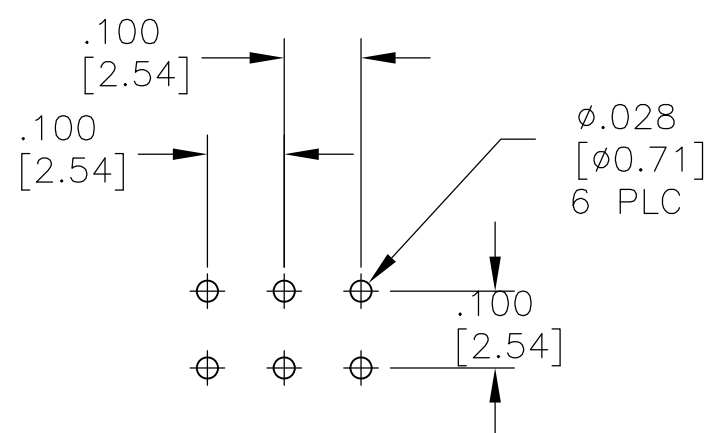
THRU HOLE MOUNT



TERMINATION IDENTIFICATION
VIEWED FROM BOTTOM OF SWITCH



RIGHT ANGLE THRU HOLE MOUNT



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, PA6T, 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 10MILLIAMPER
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 10MILLIAMPER

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.

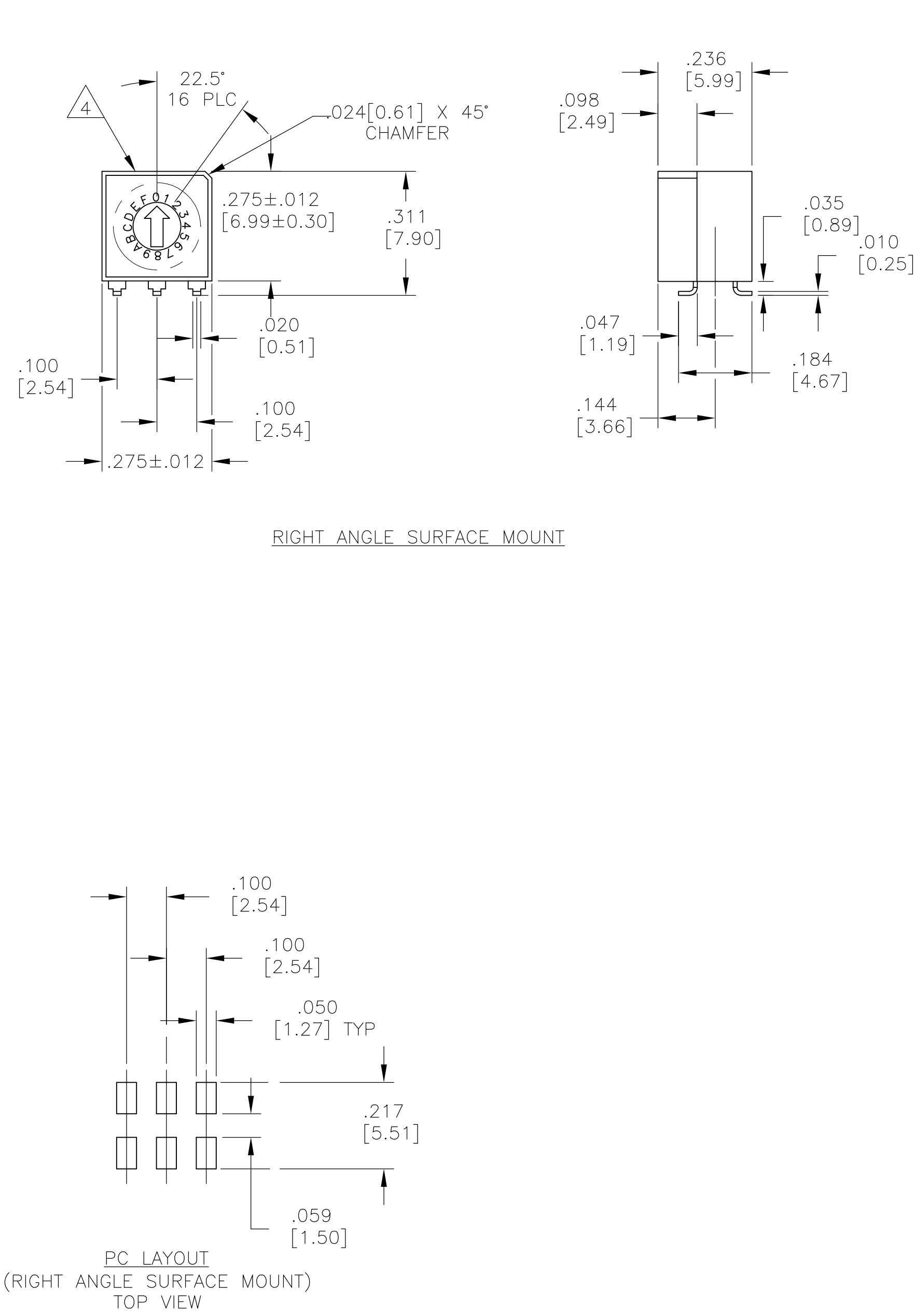
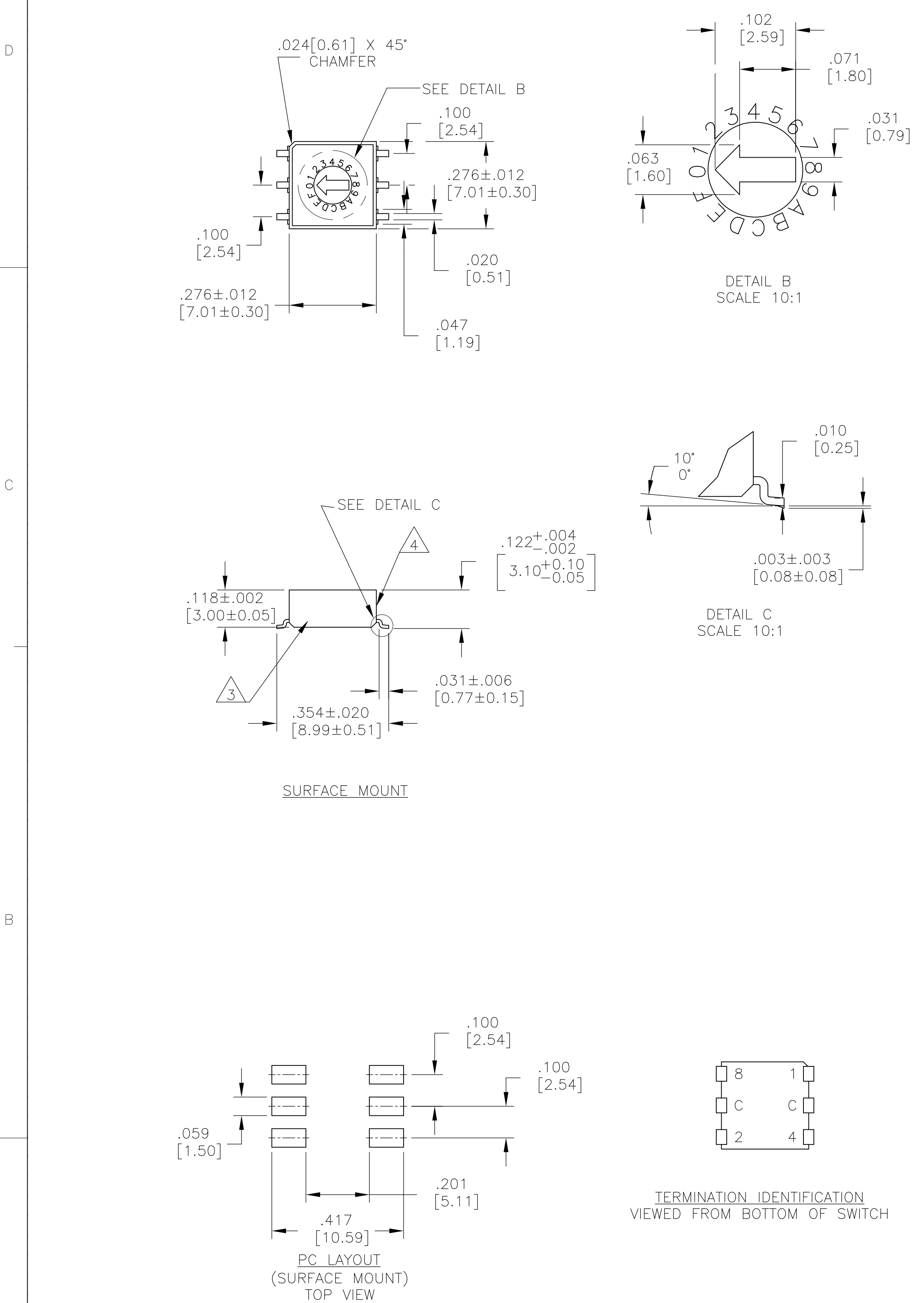
- 4 LOCATE "ALCO" TRADE NAME AND LOT NUMBER ON THIS SURFACE. LOT NUMBER TO BE MARKED AS FOLLOWS.
- | 1ST DIGIT | 2ND DIGIT |
|-----------|-----------|
| YEAR | MONTH |

- 5 OBSOLETE PART.

	GREEN	MRD16RASTR04	2-1825013-4
5	WHITE	MRD16CRASTR04	2-1825013-3
5	RED	MRD10RASTR04	2-1825013-2
5	ORANGE	MRD10CRASTR04	2-1825013-1
	GREEN	MRD16STR04	2-1825013-0
	GREEN	MRD16S04	1-1825013-9
5	GREEN	MRD16RAS04	1-1825013-8
	GREEN	MRD16RA04	1-1825013-7
	WHITE	MRD16CSTR04	1-1825013-6
	WHITE	MRD16CS04	1-1825013-5
5	WHITE	MRD16CRAS04	1-1825013-4
5	WHITE	MRD16CRA04	1-1825013-3
5	WHITE	MRD16C04	1-1825013-2
	GREEN	MRD1604	1-1825013-1
	RED	MRD10STR04	1-1825013-0
	RED	MRD10S04	1825013-9
	RED	MRD10RAS04	1825013-8
5	RED	MRD10RA04	1825013-7
	ORANGE	MRD10CSTR04	1825013-6
5	ORANGE	MRD10CS04	1825013-5
5	ORANGE	MRD10CRAS04	1825013-4
5	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	
DIMENSIONS: INCHES[mm]		CHK M. SARVER 25JUL02		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. SARVER 25JUL02	NAME	
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .010[0.25] 4 PLC ± - ± 2° ANGLES	PRODUCT SPEC APPLICATION SPEC	MRD SERIES 7MM ROTARY DIP SWITCH	
MATERIAL SEE SPECIFICATION		WEIGHT 0	SIZE A1	RESTRICTED TO
		CUSTOMER DRAWING		SCALE 4:1 SHEET 1 OF 2 REV C1

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



10 POSITION, BCD COMPLEMENT										
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		

10 POSITION, BCD										
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, 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	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	
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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES[mm]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0. PLC ± -
1. PLC ± -
2. PLC ± -
3. PLC ± .010[0.25]
4. PLC ± - ± 2°
ANGLES ± - ± 2°
FINISH -

DWN
M. BINNER
25JUL02

CHK
M. SARVER
25JUL02

APP'D
M. SARVER
25JUL02

PRODUCT SPEC

APPLICATION SPEC

WEIGHT
0

CUSTOMER DRAWING

TE Connectivity

MRD SERIES 7MM ROTARY DIP SWITCH

SIZE
A1

CAGE CODE
00779

DRAWING NO
1825013

RESTRICTED TO
-

SCALE
4:1

SHEET
2

OF
2

REV
C1

4805 (1/15)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[MRD16C04](#)