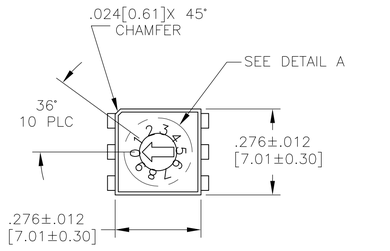
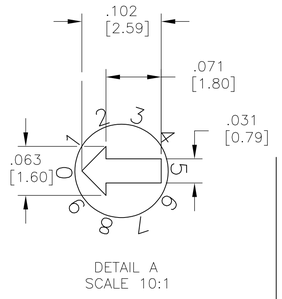
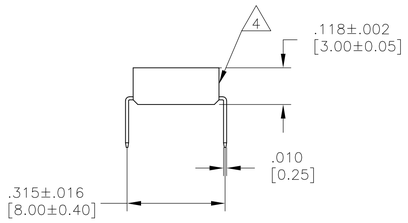
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C	REVISED PER ECO-16-001480	02MAY2016	RS	RH

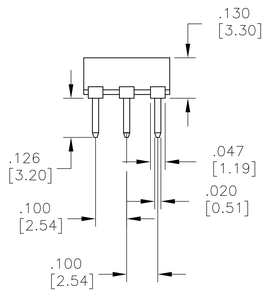


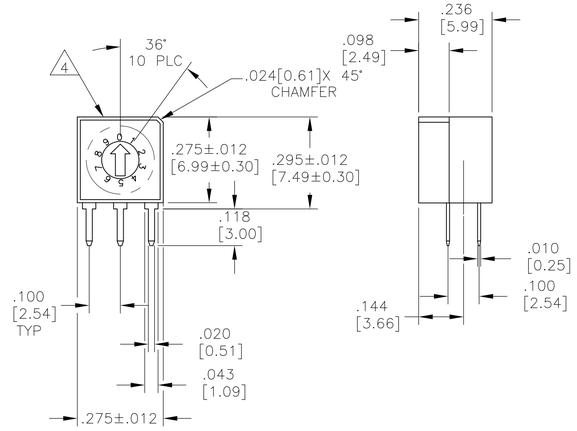


DETAIL A
SCALE 10:1

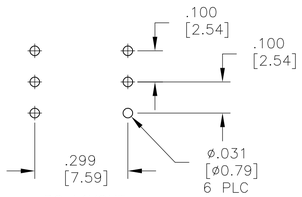


THRU HOLE MOUNT

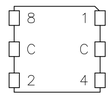




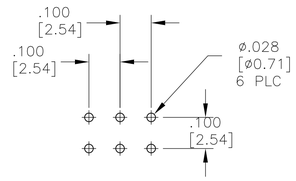
RIGHT ANGLE THRU HOLE MOUNT



PC LAYOUT
(THRU HOLE)
TOP VIEW



TERMINATION IDENTIFICATION
VIEWED FROM BOTTOM OF SWITCH



PC LAYOUT
(RIGHT ANGLE THRU HOLE)
TOP VIEW

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 10MILLIAMP
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 10MILLIAMP

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:
1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
2. TO BE SUPPLIED WITH ACTUATOR AT POSITION "7" FOR MRD10C & MRD10CS, POSITION "F" FOR MRD16C & MRD16CS AND POSITION "O" FOR ALL REMAINING MODELS
3. 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 YEAR
   2ND DIGIT MONTH
5. OBSOLETE PART.

	ROTOR COLOR	OLD T&B P/N	P/N
	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
5	~~WHITE~~	~~MRD16CS04~~	~~1-1825013-5~~
	WHITE	MRD16CRAS04	1-1825013-4
	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~~
	ORANGE	MRD10CRAS04	1825013-4
5	~~ORANGE~~	~~MRD10CRA04~~	~~1825013-3~~
	ORANGE	MRD10C04	1825013-2
	RED	MRD1004	1825013-1

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)

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 ± –
ANGLES ± 2°

MATERIAL: SEE SPECIFICATION
FINISH: –

DWN M.BINNER 25JUL02
CHK M.SARVER 25JUL02
APVD M.SARVER 25JUL02
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

TE Connectivity

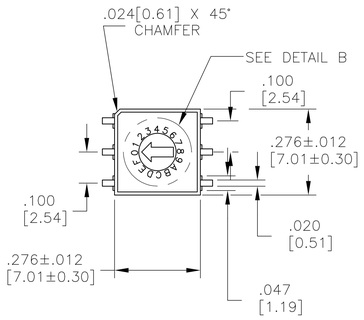
NAME
–
MRD SERIES 7MM ROTARY DIP SWITCH
–

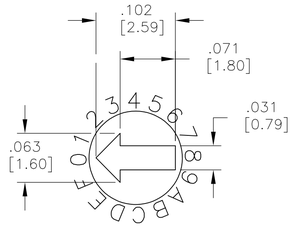
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-1825013	—

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 2 | REV C

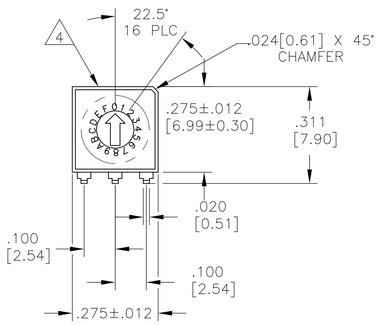
REVISIONS

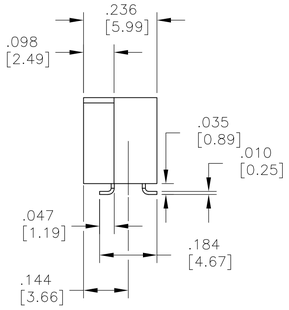
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—



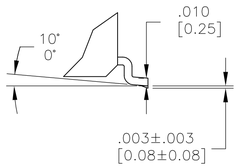


DETAIL B
SCALE 10:1

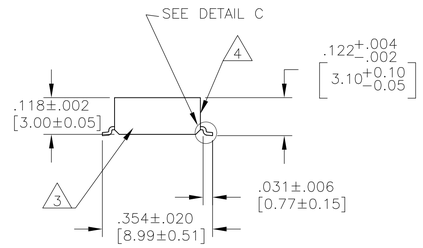




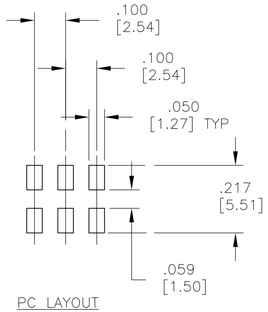
RIGHT ANGLE SURFACE MOUNT



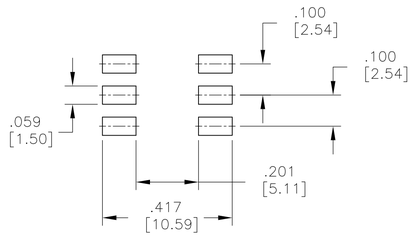
DETAIL C
SCALE 10:1



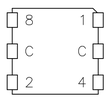
SURFACE MOUNT



PC LAYOUT
(RIGHT ANGLE SURFACE MOUNT)
TOP VIEW



PC LAYOUT
(SURFACE MOUNT)
TOP VIEW



TERMINATION IDENTIFICATION
VIEWED FROM BOTTOM OF SWITCH

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
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
4 PLC ± –
ANGLES ± 2°

MATERIAL: SEE SHEET 1
FINISH: –

DWN M.BINNER 25JUL02
CHK M.SARVER 25JUL02
APVD M.SARVER 25JUL02
PRODUCT SPEC: –
APPLICATION SPEC: –
WEIGHT: –

TE Connectivity

NAME: MRD SERIES 7MM ROTARY DIP SWITCH

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-1825013 | RESTRICTED TO –

CUSTOMER DRAWING | SCALE 4:1 | SHEET 2 OF 2 | REV C

4805 (1/15)