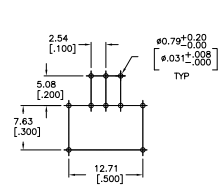
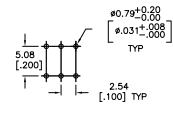


**DRD RIGHT ANGLE  
PC MOUNT**



**"S" STYLE**



**MINI SHAFT  
FLUSH  
WHEEL**

**PRINTED CIRCUIT BOARD LAYOUTS**

**HOW TO ORDER**

- SERIES: ROTARY DIPS
- ACTUATOR STYLE: D= FLUSH, M= MINI PLASTIC SHAFT, W= WHEEL, S= METAL SHAFT
- CIRCUIT TYPES: 10= BC DECIMAL, 10C= BCD COMPLEMENT, 16= HEXADECIMAL, 16C= HEXADECIMAL COMPLEMENT
- TERMINATIONS: BLANK= PC, RAE= RIGHT ANGLE - AUTO ASSEMBLY READY, RA= RIGHT ANGLE

**SPECIFICATIONS:**

**MATERIAL:**  
 FRAME & CASE - PPS UL94V-0, BLACK  
 ROTOR, PART 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 - 0.4VA@ 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°C TO +85°C  
 STORAGE TEMPERATURE - -45°C TO +100°C  
 RESISTANCE TO SOLDER HEAT - PER 109-202, COND B (THRU-HOLE)  
 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. COMMON TERMINALS ARE CONNECTED INTERNALLY, EXCEPT ON HYBRID VERSIONS.
  3. RED ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NOT PRINTING ON TOP.
  4. BLACK ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NO PRINTING ON TOP.
  5. ORANGE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH "S" STYLES HAVE NO PRINTING ON TOP.
  6. WHITE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH "S" STYLE HAVE NO PRINTING ON TOP.
- △ LOCATE "ALCO" TRADE NAME AND LOT NUMBER MARKING. LOT NUMBER TO BE MARKED AS FOLLOW:
- 4  
F  
1ST DIGIT    2ND DIGIT  
YEAR 1194    MONTH 6
- MARK WITH PERMANENT WHITE INK.

BLACK	DRW16RAE04	1-1825008-6
WHITE	DRW16RAE04	1-1825008-5
RED	DRW16RAE04	1-1825008-4
ORANGE	DRW16RAE04	1-1825008-3
N/A	DRS16RA04	1-1825008-2
N/A	DRS16CR04	1-1825008-1
N/A	DRS16RA04	1-1825008-0
N/A	DRS10CR04	1825008-9
BLACK	DRM16RAE04	1825008-8
WHITE	DRM16RAE04	1825008-7
RED	DRM16RAE04	1825008-6
ORANGE	DRM16RAE04	1825008-5
BLACK	DRD16RAE04	1825008-4
WHITE	DRD16RAE04	1825008-3
RED	DRD16RAE04	1825008-2
ORANGE	DRD16RAE04	1825008-1
ROTOR COLOR	T&B P/N	PART NO.

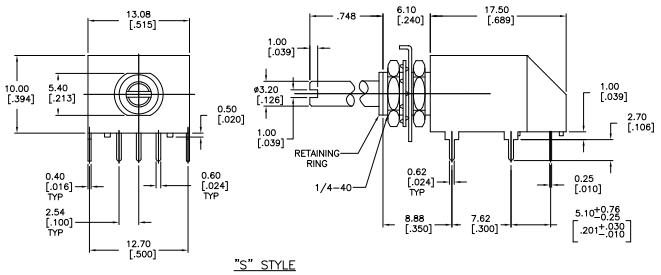
THIS DRAWING IS A CONTROLLED DOCUMENT.

DESIGNER	DESIGNED BY	DATE	REVISED BY	DATE
APPROVED	DATE	BY	DATE	BY

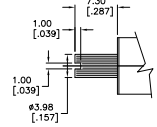
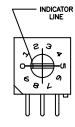
Customer Drawing: A1 00779 G-1825008

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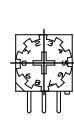
REV	DATE	DESCRIPTION	BY	APP'D
AD 00		SEE SHEET 1		



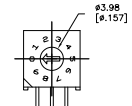
'S' STYLE



MINI SHAFT  
'M' STYLE



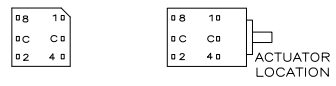
WHEEL  
'W' STYLE



'D' STYLE

ACTUATORS  
SCALE:3:1

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



10-POSITION, BCD SEE NOTE 3

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 SEE NOTE 4

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

10 POSITION, BCD COMPLEMENT SEE NOTE 5

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 COMPLEMENT SEE NOTE 6

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					
8	X	X	X	X	X	X	X	X								

THIS DRAWING IS A CONTROLLED DOCUMENT. SEE CUSTOMER ORDER FOR APPROVAL. TYS ELECTRONICS CORPORATION, Harrisburg, PA 17105-3608. DR\*\*\*\*A SERIES ROTARY DIP SWITCH. SEE DATE SIZE DRAWING NO. A1 00779 G-1825008. CUSTOMER DRAWING. DATE 4-1 SHEET 2 OF 2.