

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A6	REVISED	PER ECN-24-287296	08oct2024	GSK	DM

SPECIFICATIONS:

MATERIAL:
FRAME & CASE- PPS UL94V-0, BLACK
ROTOR, PA6T 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:

- ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- COMMON TERMINALS ARE CONNECTED INTERNALLY, EXCEPT ON HYBRID VERSIONS.
- RED ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NOT PRINTING ON TOP.
- BLACK ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH. "S" STYLES HAVE NO PRINTING ON TOP.
- ORANGE ROTOR WITH WHITE PRINTING ON TOP AND SIDE OF SWITCH "S" STYLES HAVE NO PRINTING ON TOP.
- 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:

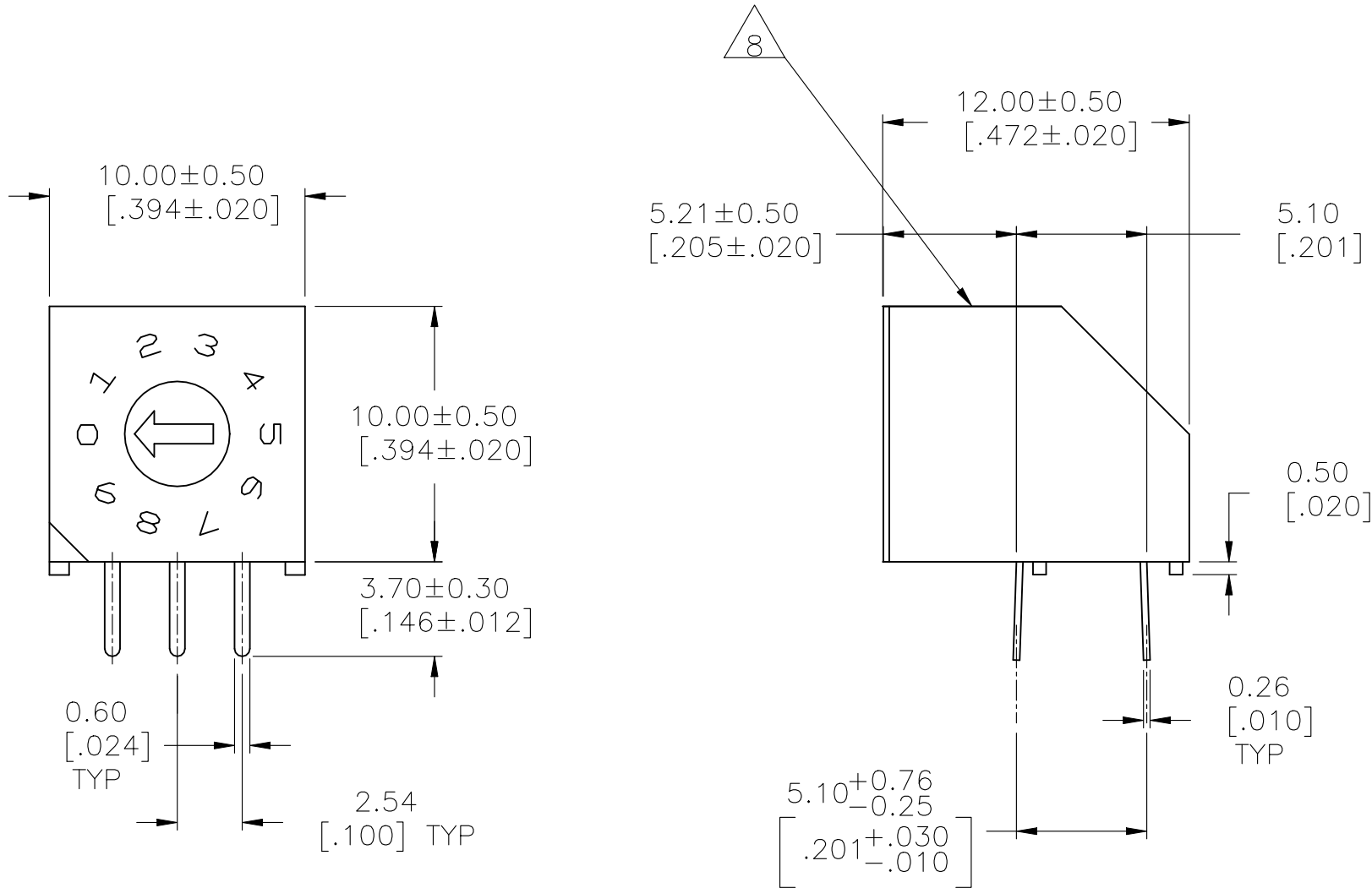
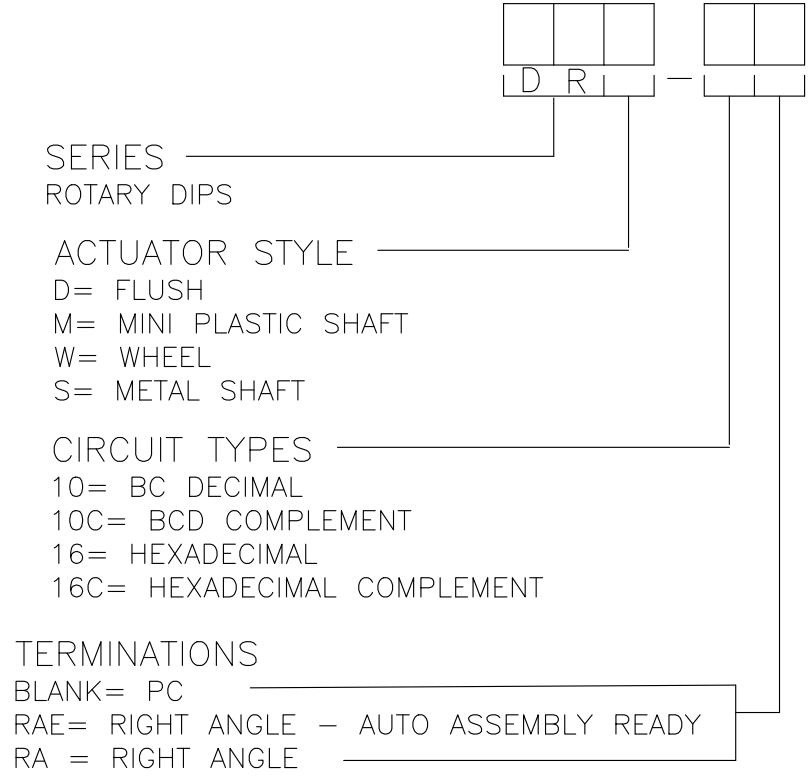
4 F
1ST DIGIT 2ND DIGIT
YEAR 1194 MONTH 6

MARK WITH PERMANENT WHITE INK.

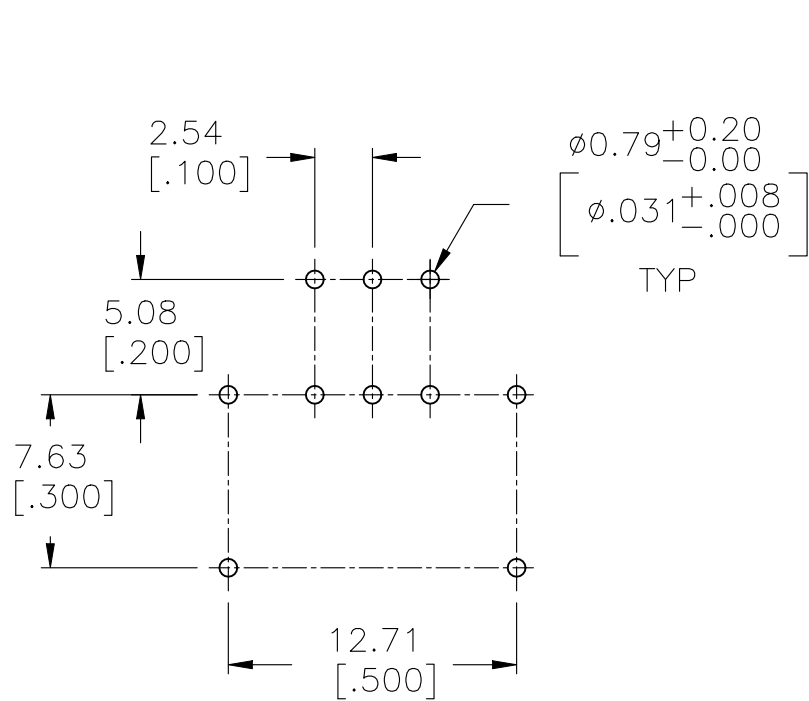
OBSOLETE	BLACK	DRW16RAE04	1-1825008-6
	WHITE	DRW16CRAE04	1-1825008-5
OBSOLETE	RED	DRW10RAE04	1-1825008-4
OBSOLETE	ORANGE	DRW10CRAE04	1-1825008-3
OBSOLETE	N/A	DRS16RA04	1-1825008-2
OBSOLETE	N/A	DRS16CRA04	1-1825008-1
OBSOLETE	N/A	DRS10RA04	1-1825008-0
OBSOLETE	N/A	DRS10CRAE04	1825008-9
OBSOLETE	BLACK	DRM16RAE04	1825008-8
	WHITE	DRM16CRAE04	1825008-7
	RED	DRM10RAE04	1825008-6
	ORANGE	DRM10CRAE04	1825008-5
OBSOLETE	BLACK	DRD16RAE04	1825008-4
	WHITE	DRD16CRAE04	1825008-3
	RED	DRD10RAE04	1825008-2
OBSOLETE	ORANGE	DRD10CRAE04	1825008-1
ROTOR COLOR		T&B P/N	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN B.S.VISWESWARA CHK M.S.SARVER APVD	17MAY2005	 TE Connectivity	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC APPLICATION SPEC	NAME	
				DR***RA SERIES ROTARY DIP SWITCH —	
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	SIZE	RESTRICTED TO
				A1 00779 C=1825008	—
SCALE 4:1 SHEET 1 OF 2 REV A0					

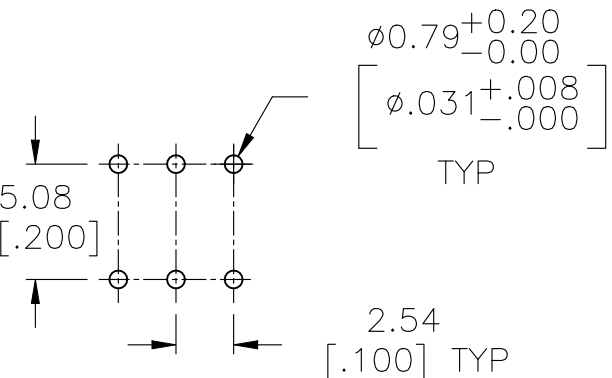
HOW TO ORDER



DRD RIGHT ANGLE
PC MOUNT



"S" STYLE

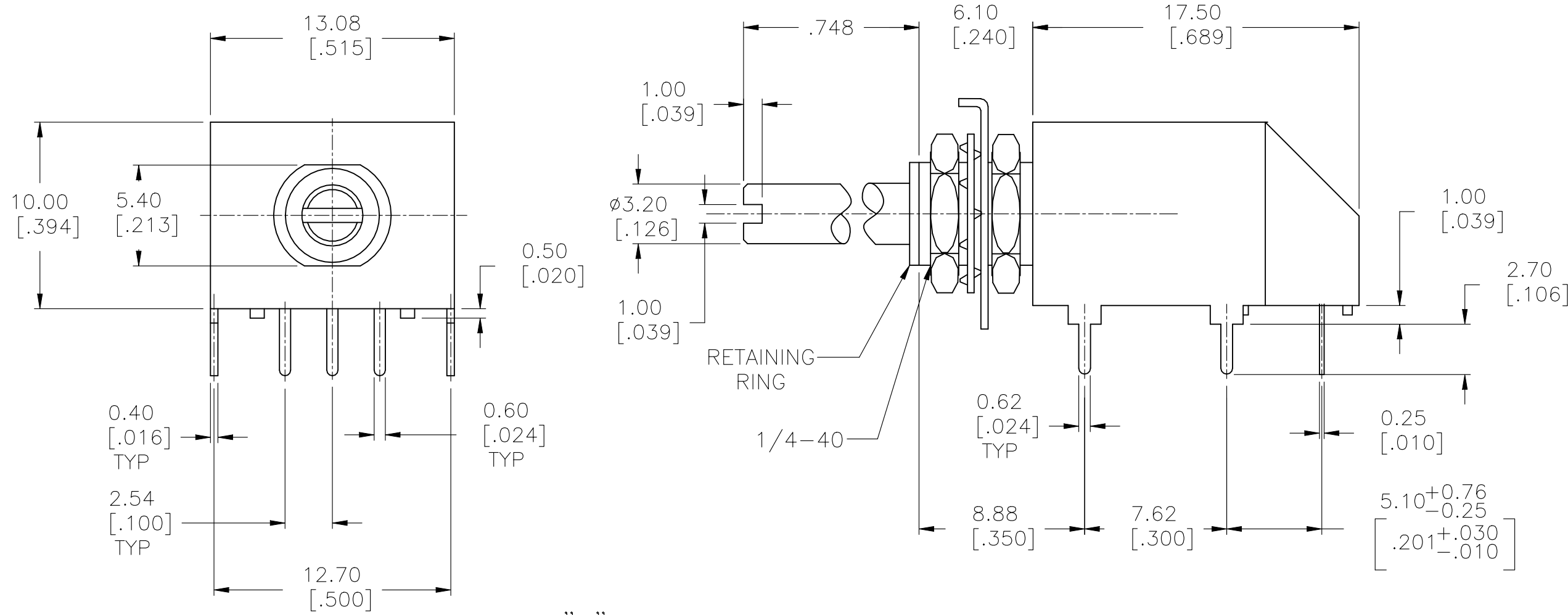


MINI SHAFT
FLUSH
WHEEL

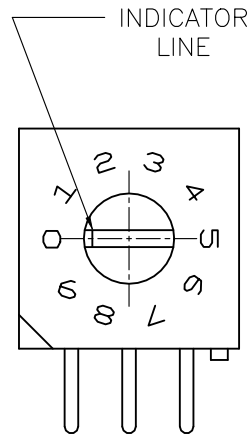
PRINTED CIRCUIT BOARD LAYOUTS

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

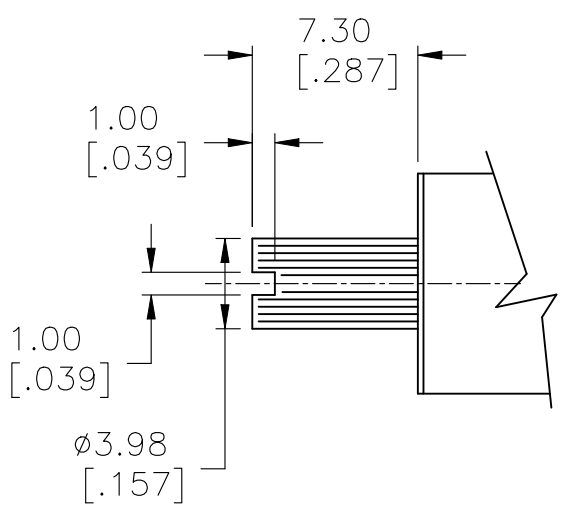
D



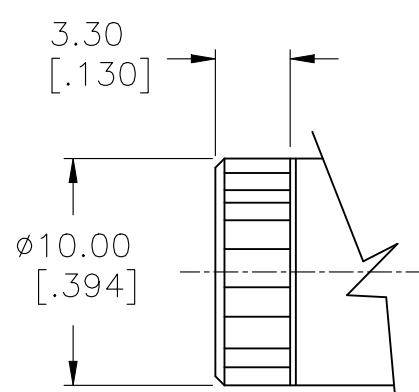
"S" STYLE



MINI SHAFT
'M' STYLE

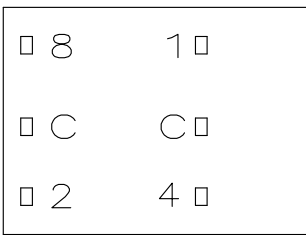
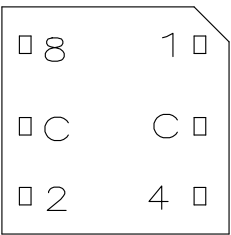


WHEEL
'W' STYLE



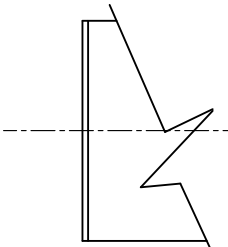
C

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



ACTUATOR
LOCATION

'D' STYLE



ACTUATORS
SCALE:3:1

B

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
$\bar{C}$	X	X	X	X	X	X	X	X	X	X
$\bar{1}$	X		X		X		X		X	
$\bar{2}$	X	X			X	X			X	X
$\bar{4}$	X	X	X	X					X	X
$\bar{8}$	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
$\bar{C}$	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
$\bar{1}$	X		X		X		X		X		X		X		X	
$\bar{2}$	X	X			X	X			X	X			X	X		
$\bar{4}$	X	X	X	X					X	X	X	X				
$\bar{8}$	X	X	X	X	X	X	X	X								

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D.S.VISWESWARA	17MAY2005	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK M.S.SARVER	—		
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0. PLC ± — 1. PLC ± — 2. PLC ± 0.25 3. PLC ± — 4. PLC ± — ANGLES ± 1°		PRODUCT SPEC	
MATERIAL		FINISH		APPLICATION SPEC	
—		—		—	
WEIGHT		—		RESTRICTED TO	
—		—		—	
CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 2	
—		—		REV A6	

Mouser Electronics

Authorized Distributor

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[DRD16RAE04](#)