P36 series

Low profile rotary code switches

Surface mount or through-hole

Outside the US and the UK, this series is sold as the CR36 series.

❑ **3 actuator types**
❑ **Save board space**
❑ **Highly reliable**
❑ **Solder and flux sealed, washable**

P36				

SERIES	Mounting	Actuators	Codes	Terminals
	(none) Through-hole	**1** Screwdriver	**01** BCD	**(none)** Straight or SMT
	S Surface mount	**3** Spindle	**02** BCD complement	**V** Crimped
		8 Slotted spindle	**03** Hexadecimal	**L254** Right angle, spacing 2,54 (.100)
			06 Hexadec. complement	

ELECTRICAL SPECIFICATIONS

- Operating voltage : 24 VDC max.
- Contact load, static : 400mA max.
- Contact load, dynamic : 100mA max.
- Initial contact resistance : 100 mΩ max.
- Insulation resistance : 100 MΩ min.

MECHANICAL AND THERMAL SPECS

- Torque : 0,7 Ncm min.
- Expected life : 10.000 cycles min.
- Operating temperature : -30°C to +90°C

MATERIALS

- Base : UL94-V0, high temperature thermoplastic
- Cover : stainless steel
- Actuator : PA 4.6 nylon
- Contacts : gold over nickel plated phosphor bronze
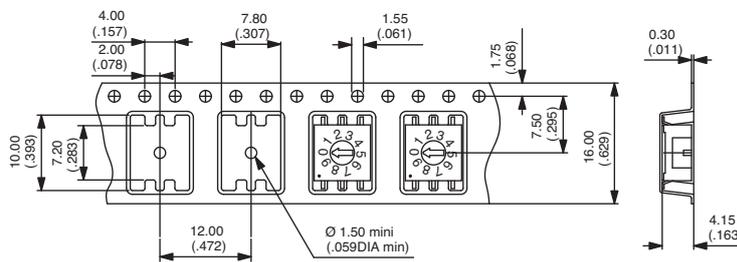- Terminals : tin plated
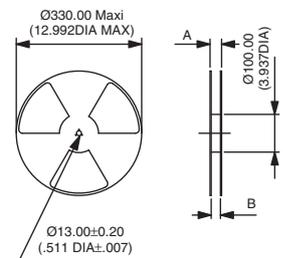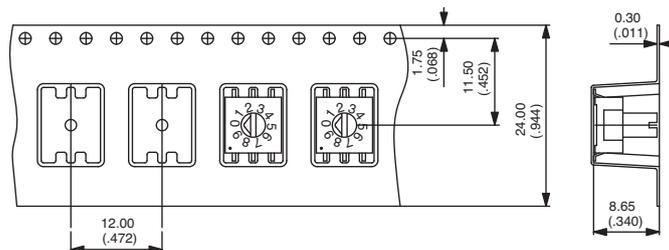
SOLDER RECOMMENDATIONS

(DIN CEI 68-2-20)
- Manual soldering : 340°C max. for 2 seconds max.
- Wave soldering : 280°C max. for 5 seconds max.
- Reflow soldering : 260°C max. for 10 seconds max.

F

PACKAGING

P36S1..
1300 pieces per reel
(dim.A = 22,4 mm
dim B = 16,4 mm)

P36S3..
P36S8..
600 pieces per reel
(dim.A = 30,4 mm
dim B = 24,4 mm)

- Reels : see above. To order a SMT product with tape & reel packaging, add "TR" at the end of its part number.
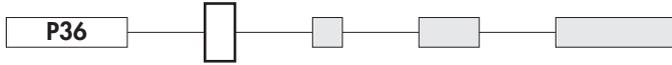- Tubes : 50 pieces (through-hole or SMT) per tube.

Dimensions : first dimensions are in mm while inches are shown as bracketed numbers.
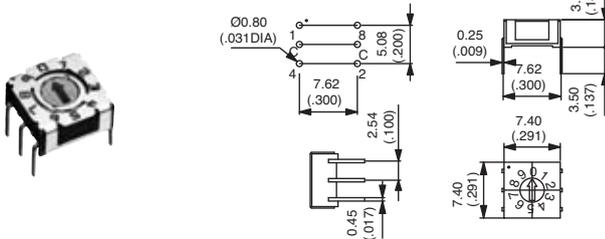
P36 series

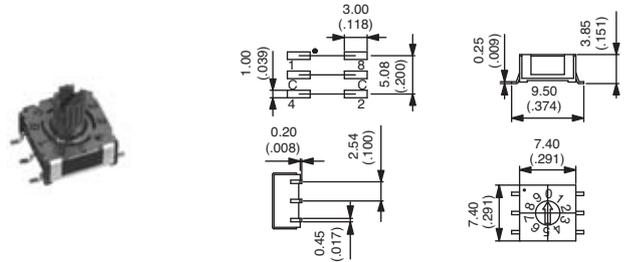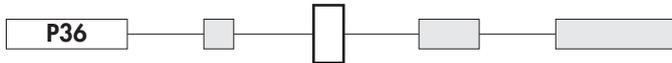## Low profile rotary code switches

Surface mount or through-hole

MOUNTING

P36

(none) Through-hole

S Surface mount

ACTUATORS

P36

1 Screwdriver
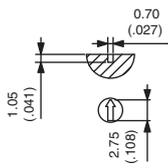
3 Spindle
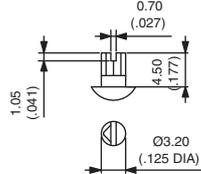
8 Slotted spindle
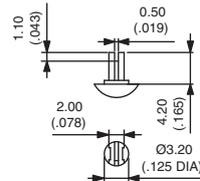
Actuator colour
depending on codes

BCD	red
BCD compl.	orange
Hexadecimal	grey
Hexadec. compl.	white

CODES / TRUTH TABLES

P36
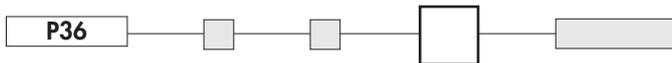
01 BCD

	C	1	2	4	8	
0	•					0
1	•	•				1
2	•		•			2
3	•	•	•			3
4	•			•		4
5	•	•		•		5
6	•		•	•		6
7	•	•	•	•		7
8	•				•	8
9	•	•			•	9

▲ Position   ▲ Marking

02 BCD complement

	C	1	2	4	8	
0	•	•	•	•	•	0
1	•		•	•	•	1
2	•	•		•	•	2
3	•			•	•	3
4	•	•	•		•	4
5	•		•		•	5
6	•	•			•	6
7	•				•	7
8	•	•	•	•		8
9	•		•	•		9

03 Hexadecimal

	C	1	2	4	8	
0	•					0
1	•	•				1
2	•		•			2
3	•	•	•			3
4	•			•		4
5	•	•		•		5
6	•		•	•		6
7	•	•	•	•		7
8	•				•	8
9	•	•			•	9
10	•		•		•	A
11	•	•	•		•	B
12	•			•	•	C
13	•	•		•	•	D
14	•		•	•	•	E
15	•	•	•	•	•	F

06 Hexadecimal complement

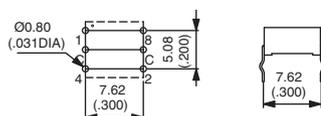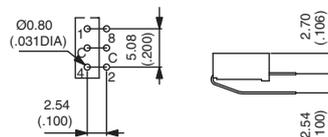|	C	1	2	4	8	
0	•	•	•	•	•	0
1	•		•	•	•	1
2	•	•		•	•	2
3	•			•	•	3
4	•	•	•		•	4
5	•		•		•	5
6	•	•			•	6
7	•				•	7
8	•	•	•	•		8
9	•		•	•		9
10	•	•		•		A
11	•			•		B
12	•	•	•			C
13	•		•			D
14	•	•				E
15	•					F

TERMINALS

P36
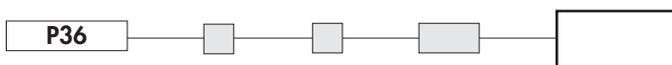
(none) Straight or SMT

V Crimped

L254 Right angle, spacing 2,54 (.100)

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Mouser Electronics

Authorized Distributor

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

[Apem](#):
  [P36S101](#)   [P36S103](#)   [P36101](#)   [P36103](#)   [P36303](#)