

MP / A / E / G, Green Series

Features

- Wire lug or pC terminals
- Customer selected actuator cap size and color on MPA series
- MPE series sealed to IP65
- Entire series with epoxy sealed terminals
- Actuator guards, decorative hardware, and silicone boot seals available



Typical performance characteristics

Contact configuration SPDT, DPDT, 3PDT, 4PDT
 Contact timing Break-Before-Make
 Contact rating max. 6 A @ 125 VAC, 3 A @ 250 VAC
 Electrical life push on/push off: 30,000 cycles
 momentary: . 20,000 cycles
 Contact resistance, initial. 10 mOhms max.
 Insulation resistance 1,000 MOhms min.
 Dielectric strength. 1,500 Volts rms @ sea level
 Actuation force 4 to 20 N (400 to 2000 gf)
 Actuator travel 3.55 mm

Environmental specification

Operating temperature -20°C to +80°C
 Storage temperature -40°C to +80°C
 Solder heat resistance wave solder capable to 265°C
 Seal mpe switches IP65

Material specifications

Contacts copper alloy silver clad
 Actuator brass nickel plated
 Terminals copper alloy gold plated
 Case alkyd polyester (green)UL94 V-O
 Frame stainless steel
 RoHS Directive 2002/95/EC compliant

Product key

Typical product key

MP A 1 06 D 04

Type

MP Green Series Pushbutton Switches, panel mount

Bushing style

A 1/4-40 3.4mm actuator
E 1/4-40 3.4mm actuator with 'O' rings
G 15/32-32 large actuator

Number of poles

1 single pole **3** 3 poles
2 double pole **4** 4 poles

Rating

06 6 Amp

Function

D 1 & 3 pole push-on/push-off
F momentary **N** 2 & 4 pole push-on/push-off
R momentary

Terminals

blank wire lug **PC** printed circuit board

Material

04 RoHS compliant

MP / A / E / G, Green Series (Continued)

Bushing style A



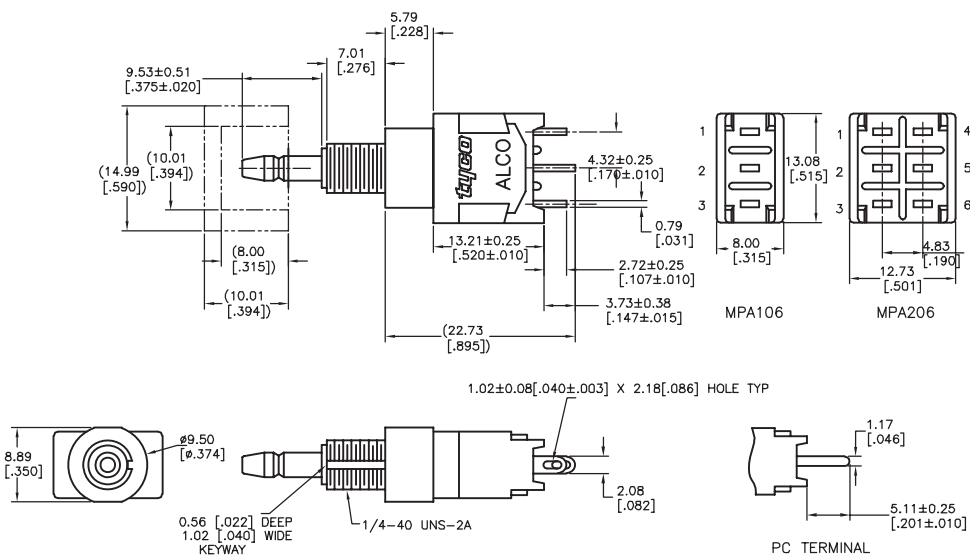
single & double pole



MPA106D



MPA206N



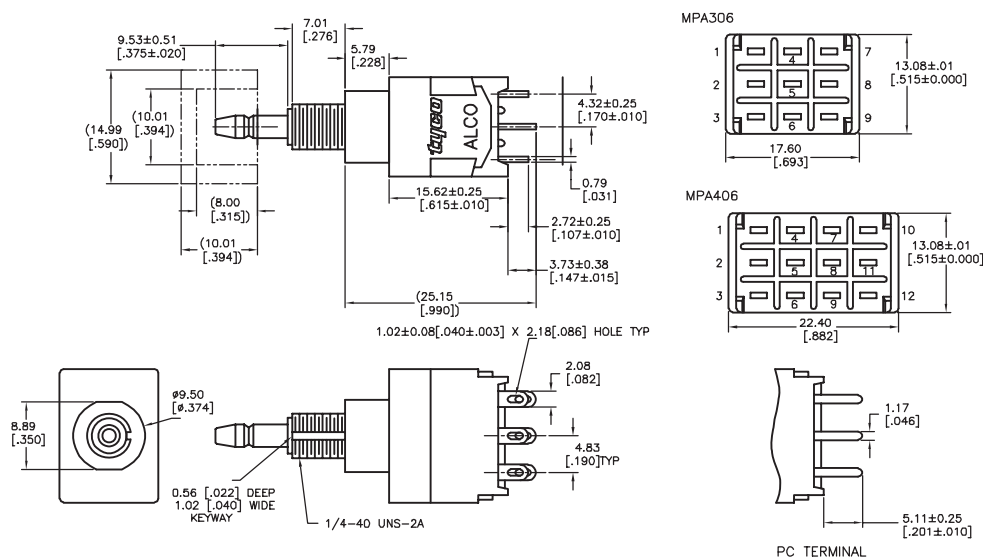
3 & 4 pole



MPA306D

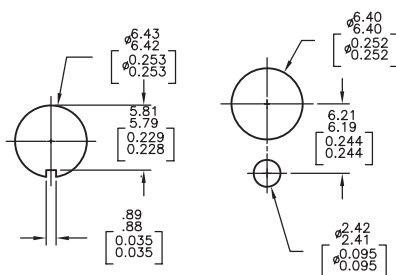


MPA406N

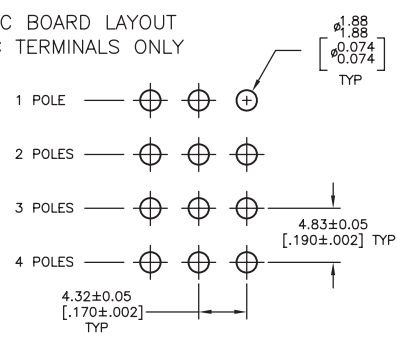


mounting

RECOMMENDED HOLE LAYOUT TO PREVENT ROTATION



PC BOARD LAYOUT PC TERMINALS ONLY



MP / A / E / G, Green Series (Continued)

Bushing style E



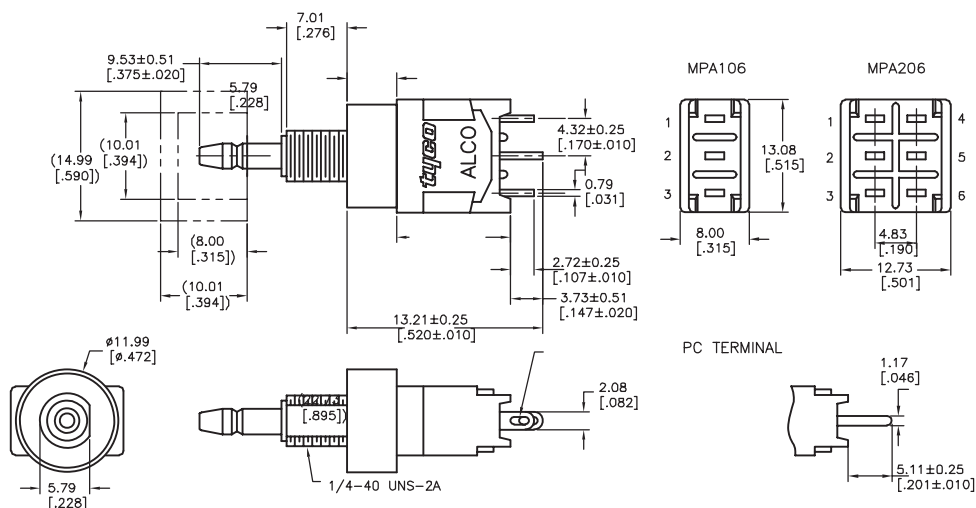
single & double pole



MPE106D



MPE206N



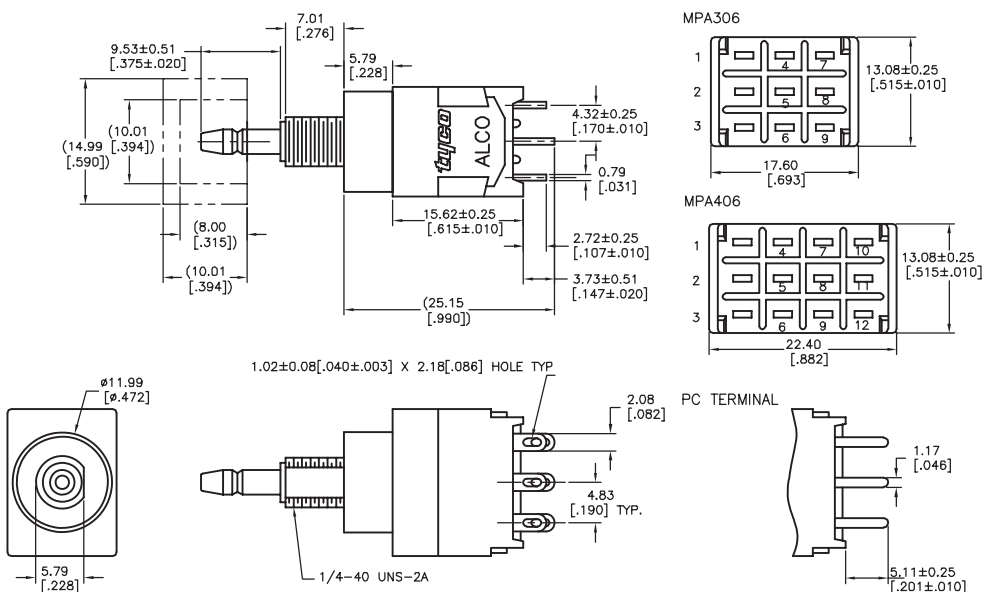
3 & 4 pole



MPE306F

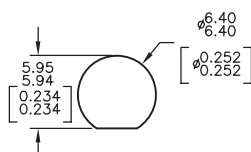


MPE406N

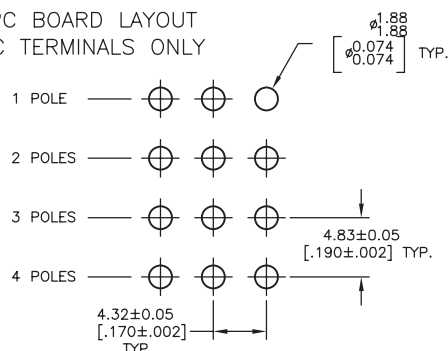


mounting

RECOMMENDED HOLE LAYOUT
TO PREVENT ROTATION



PC BOARD LAYOUT
PC TERMINALS ONLY



MP / A / E / G, Green Series (Continued)

Bushing style G



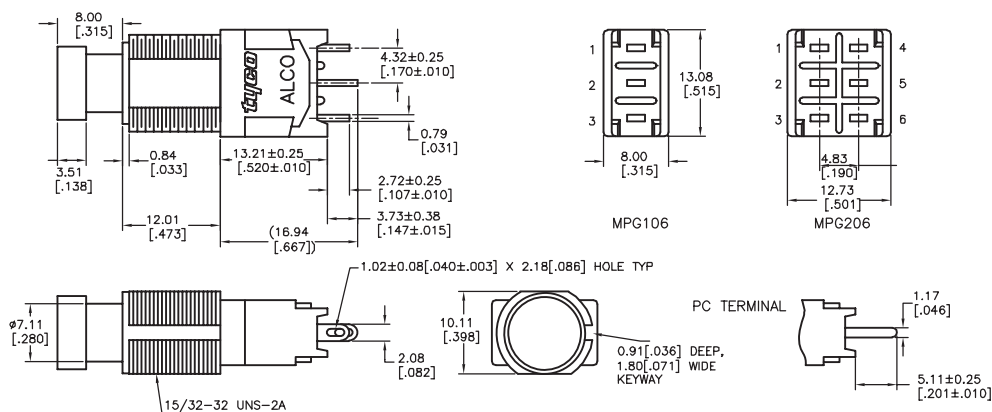
single & double pole



MPG106D



MPG206NPC



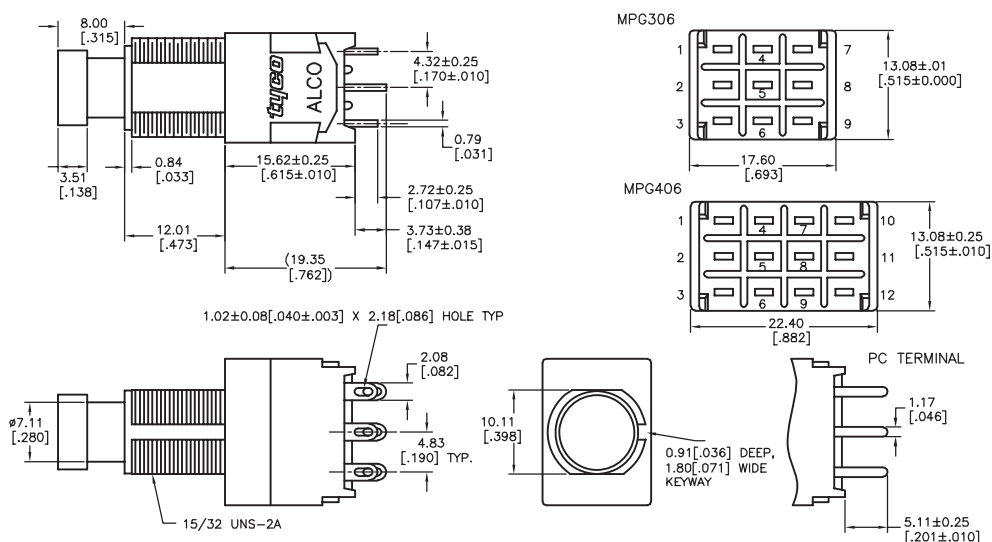
3 & 4 pole



MPG306D

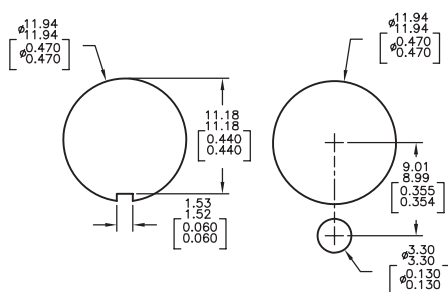


MPG406N

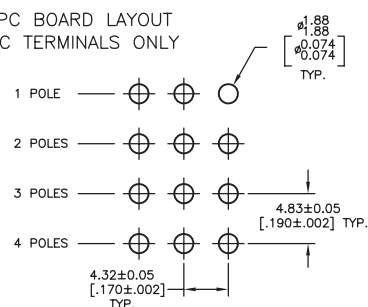


mounting

RECOMMENDED HOLE LAYOUT
TO PREVENT ROTATION



PC BOARD LAYOUT
PC TERMINALS ONLY



MP / A / E / G, Green Series (Continued)

Function



Fct.	Poles	On	On	On	On
D	1	On	On	2-1	2-3
F	1	On	(On)	2-1	2-3
N	2	On	On	2-1, 5-4	2-3, 5-6
R	2	On	(On)	2-1, 5-4	2-3, 5-6
D	3	On	On	2-1, 5-4, 8-7	2-3, 5-6, 8-9
F	3	On	(On)	2-1, 5-4, 8-7	2-3, 5-6, 8-9
N	4	On	On	2-1,5-4,8-7,11-10	2-3,5-6,8-9,11-12
R	4	On	(On)	2-1,5-4,8-7,11-10	2-3,5-6,8-9,11-12

Off indicates a mechanical position with no electrical connection
(On) indicates momentary connection

Product key	Bushing	No. of poles	Rating	Function	Terminals	Material	Part Number
MPA106D04	1/4-40	single pole	6 Amps	push-on/push-off	wire lug	RoHS compliant	1825040-1
MPA106F04	3.4mm			momentary			1825040-2
MPA106DPC04	actuator			push-on/push-off	pcb		1825040-3
MPA106FPC04				momentary			1825040-4
MPA206N04		double pole		push-on/push-off	wire lug		1825040-5
MPA206NPC04					pcb		1825040-6
MPA206R04				momentary	wire lug		1825040-7
MPA206RPC04					pcb		1825040-8
MPA306D04		3 poles		push-on/push-off	wire lug		1825040-9
MPA306F04				momentary			1-1825040-0
MPA406N04		4 poles		push-on/push-off			1-1825040-1
MPA406R04				momentary			1-1825040-2
MPE106D04	1/4-40	single pole		push-on/push-off			1825041-1
MPE106F04	3.4mm			momentary			1825041-2
MPE206N04	actuator	double pole		push-on/push-off			1825041-3
MPE206R04	with 'O' ring			momentary			1825041-4
MPE306D04		3 poles		push-on/push-off			1825041-5
MPE306F04				momentary			1825041-6
MPE406N04		4 poles		push-on/push-off			1825041-7
MPE406R04				momentary			1825041-8
MPG106D04	15/32-32	single pole		push-on/push-off			1825042-1
MPG106DPC04	large			push-on/push-off	pcb		1825042-2
MPG106F04	actuator			momentary	wire lug		1825042-3
MPG106FPC04					pcb		1825042-4
MPG206N04		double pole		push-on/push-off	wire lug		1825042-5
MPG206NPC04					pcb		1825042-6
MPG206R04				momentary	wire lug		1825042-7
MPG206RPC04					pcb		1825042-8
MPG306D04		3 poles		push-on/push-off	wire lug		1825042-9
MPG306F04				momentary			1-1825042-0
MPG406N04		4 poles		push-on/push-off			1-1825042-1
MPG406R04				momentary			1-1825042-2

Preferred parts in bold print

Mouser Electronics

Authorized Distributor

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TE Connectivity:

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