

**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. . . . . 1,500Volts 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

Pushbutton Switches

**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

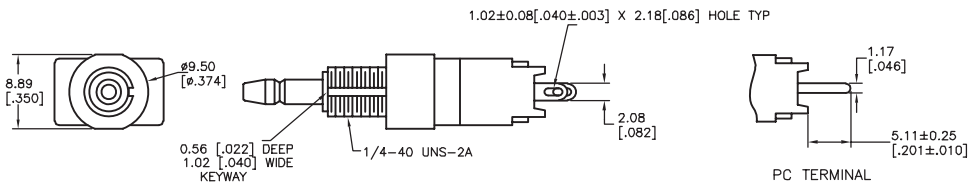
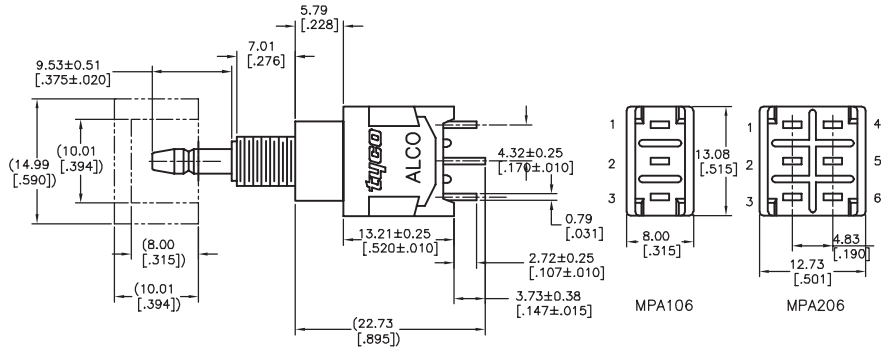
single & double pole



MPA106D



MPA206N



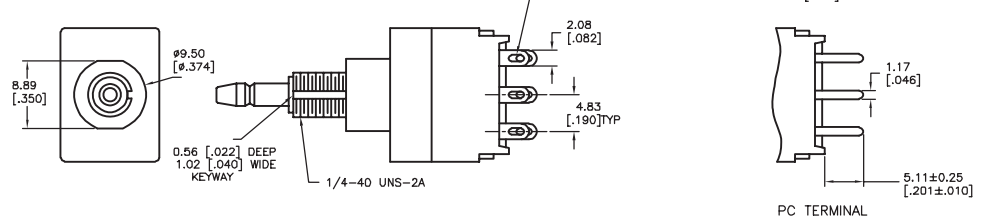
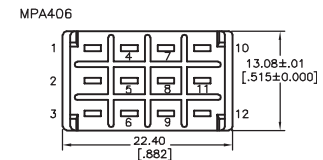
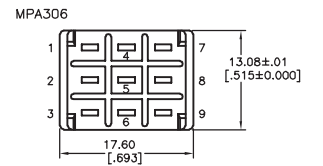
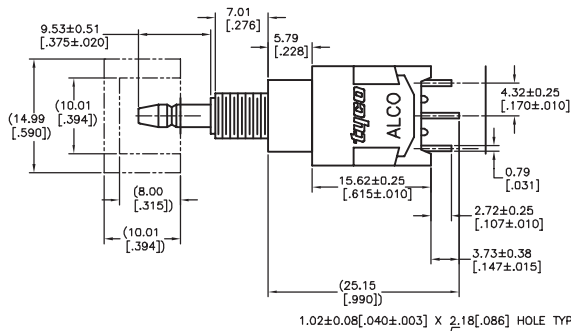
3 & 4 pole



MPA306D

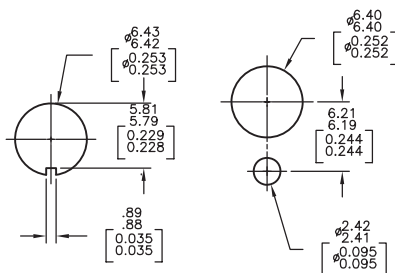


MPA406N

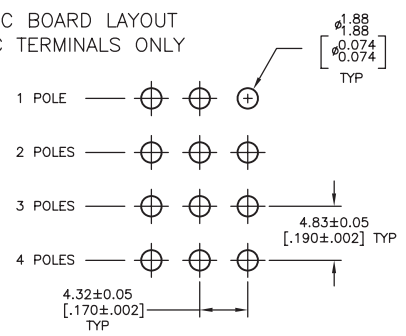


mounting

RECOMMENDED HOLE LAYOUT TO PREVENT ROTATION



PC BOARD LAYOUT PC TERMINALS ONLY



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

**Bushing style E**



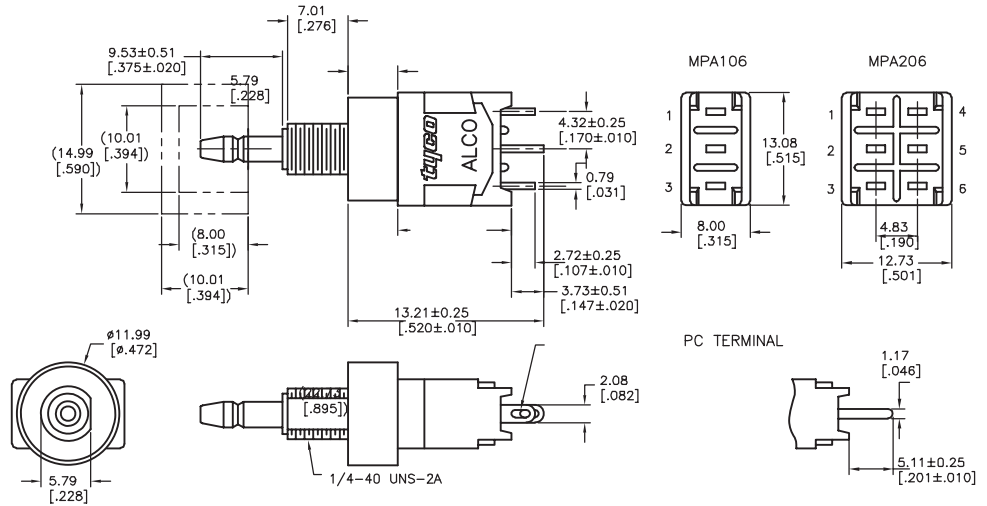
**single & double pole**



MPE106D



MPE206N



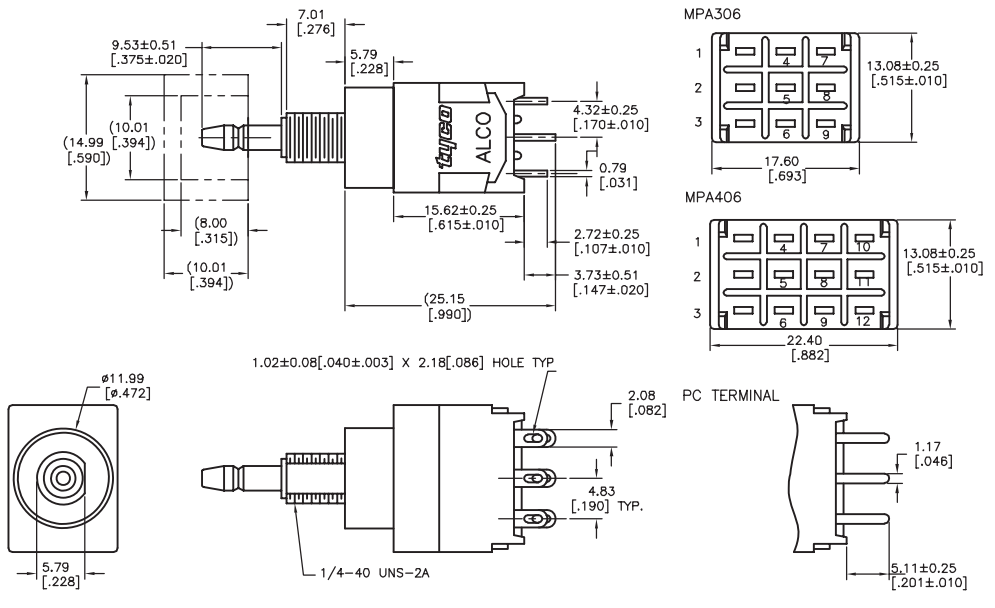
**3 & 4 pole**



MPE306F

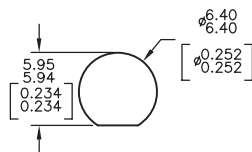


MPE406N

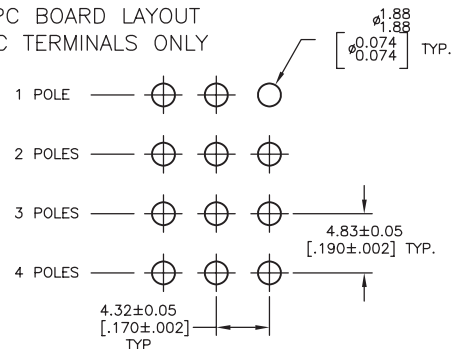


**mounting**

**RECOMMENDED HOLE LAYOUT TO PREVENT ROTATION**



**PC BOARD LAYOUT PC TERMINALS ONLY**



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

Bushing style G

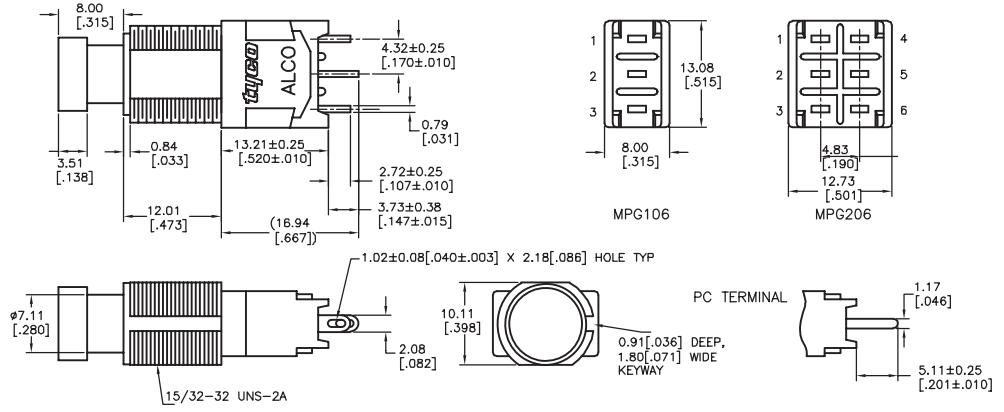
single & double pole



MPG106D



MPG206NPC



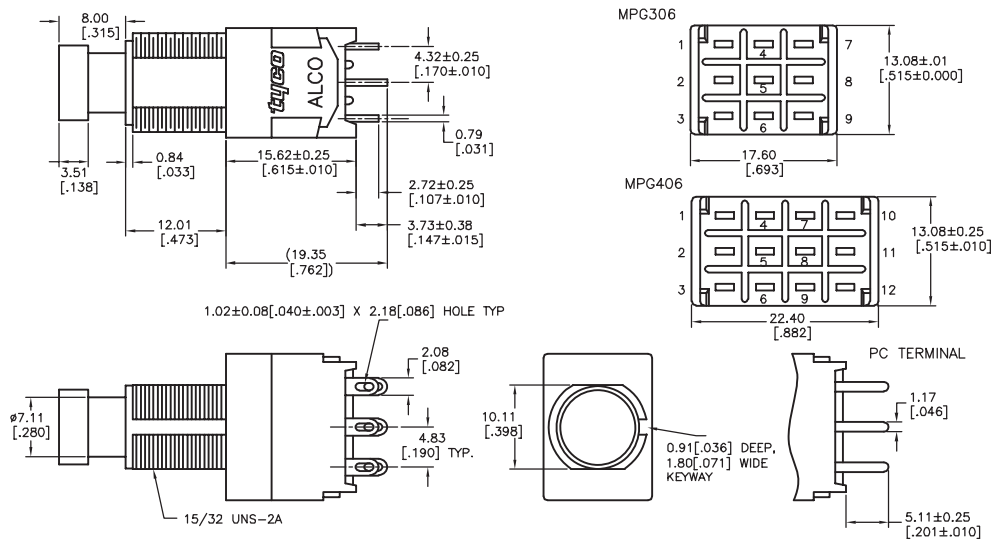
3 & 4 pole



MPG306D

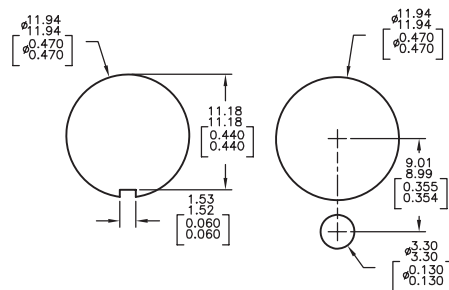


MPG406N

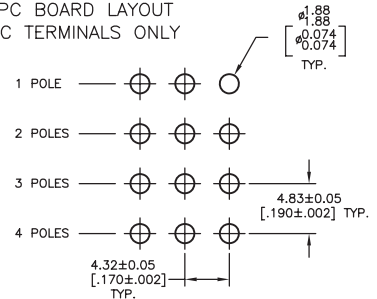


mounting

RECOMMENDED HOLE LAYOUT TO PREVENT ROTATION







PC BOARD LAYOUT PC TERMINALS ONLY



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

Function 

Fct.	Poles				
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

Pushbutton Switches

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

Preferred parts in bold print