

# MTP SERIES KEY SWITCHES

## FEATURES

- Totally sealed - process compatible.
- Excellent tactile feed-back (snap dome).
- Shock & vibration resistance.
- SPST momentary action.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

### GENERAL SPECIFICATIONS

#### ELECTRICALS

Contact rating:	50 mA @ 12 VDC
Insulation resistance:	100 megohms minimum at 100 VDC
Dielectric withstanding voltage:	250 VAC for 1 minute
Contact resistance:	100 milliohms maximum
Life:	100,000 cycles minimum

#### MECHANICALS, THERMALS

Operating force:	160±50 grams
Plunger travel:	.010 +.008 / -.004" (.25 +0.2 / -0.1mm)
Shock:	Withstands 80 g for 3 cycles in each of 6 directions (18 cycles total)
Vibration:	Withstands 10-55 Hz. for 2 hours in each of 3 mutually perpendicular planes, including direction of stem travel.
Operating temperature range:	-20°C to +70°C
Storage temperature range:	-30°C to +80°C

#### SOLDERING

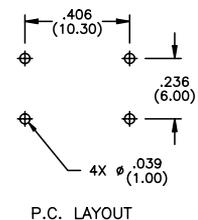
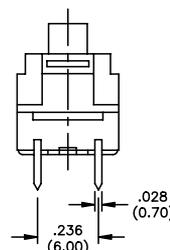
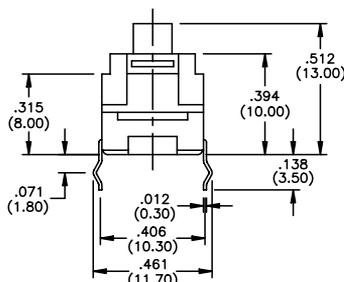
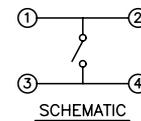
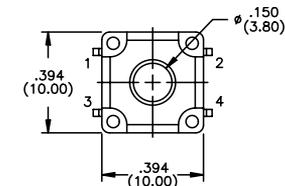
Wave soldering:	255°C max. for 5 seconds maximum. Preheat - 100°C max. for 45 sec. max.
Manual soldering:	350°C ± 10°C for 3 seconds maximum
Solvent washing:	Washable.

#### MATERIALS

Case:	Polyetherimide
Cover:	PBT
Actuator:	Acetal
Terminals:	Silver plated brass
Shorting Contact:	Silver plated copper alloy
Internal seal:	Nitrile

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**US # MTP1149**  
**EU # PHAP3353**  
 Process compatible



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