

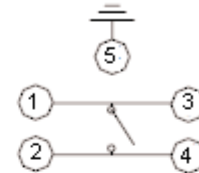
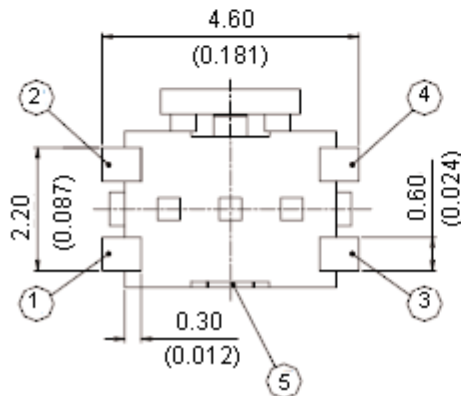
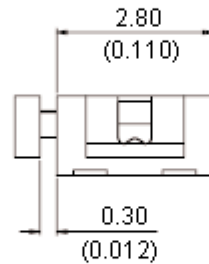
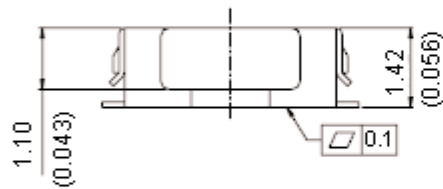
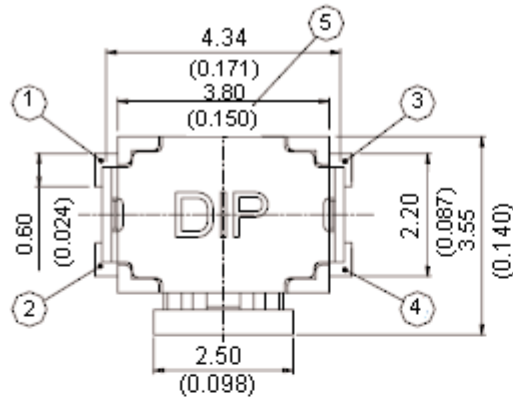


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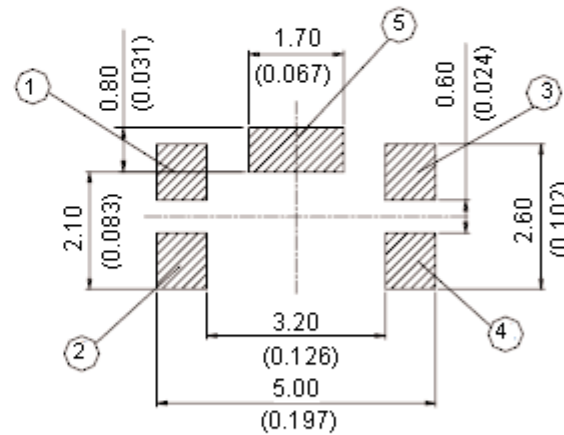
MCIPTG14K-V

## REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Veena	18/09/10	Jagan	18/09/10	Farnell	03/10/10



Circuit Diagram



PCB Layout

Dimensions : Millimetres (Inches)

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Jagan

DATE:

18/09/10

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DATE:

03/10/10

DRAWING TITLE:

Horizontal Push Switch

SIZE  
A

DWG NO.

M10002471

ELECTRONIC FILE  
IPT\_DWGREV  
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 4



PART NO.

MCIPTG14K-V

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## Specifications:

## Mechanical:

Operation force : 160 ±50gf vertical push  
200 ±65gf side push.

Stroke : 0.20 ±0.1mm side push  
0.13 ±0.1mm vertical push.

Operation temperature : -30°C to +80°C.

Storage temperature : -40°C to +85°C.

## Electrical:

Electrical life : 50,000 cycles.

Rating : 50mA, 12V dc.

Maximum contact resistance : 100mΩ.

Minimum insulation resistance : 100MΩ at 100V dc.

Dielectric strength : 100V ac/1 minute.

## Material:

Cover : Stainless steel with silver plating.

Spacing cover : Stainless steel.

Stem : UL94V-0 high-temp thermoplastic.

Colour : Black.

Tape : Teflon.

Contact : Stainless steel with silver plating.

Base : UL94V-0 high-temp thermoplastic.

Colour : Black.

Terminal : 1. Brass, with silver plating.  
2. Brass, gold plated.

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Horizontal Push Switch

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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 4



PART NO.

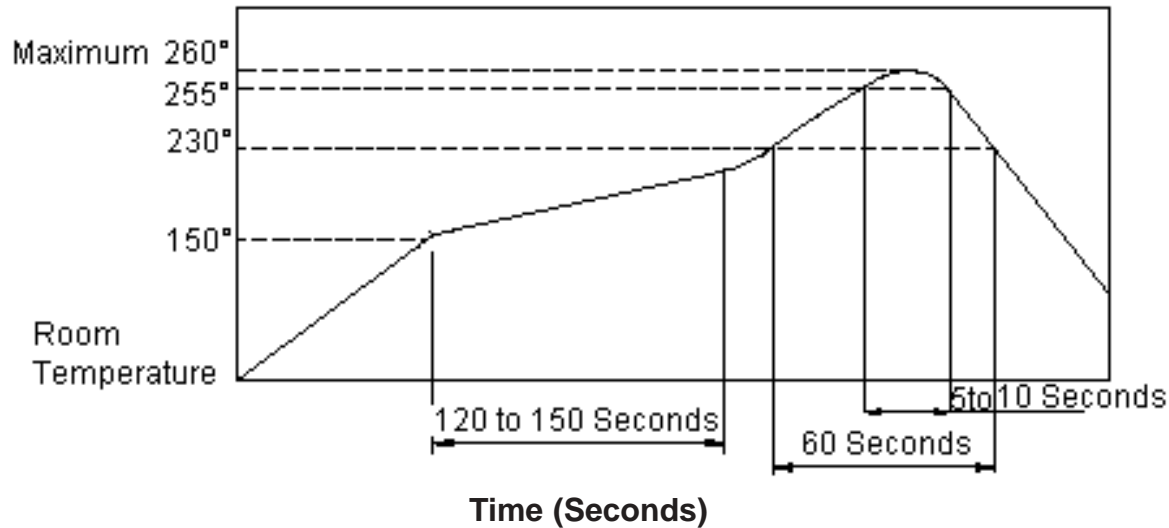
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**Soldering Process:**

Hand soldering : Use a soldering iron of 30 watts, controlled at 350°C approximately maximum 5 seconds while applying.  
Reflow soldering : When applying reflow soldering, the peak temperature or the reflow over should be set to 260°C maximum.

**Reflow Temperature Profile:**

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Horizontal Push Switch

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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 3 OF 4



PART NO.

MCIPTG14K-V

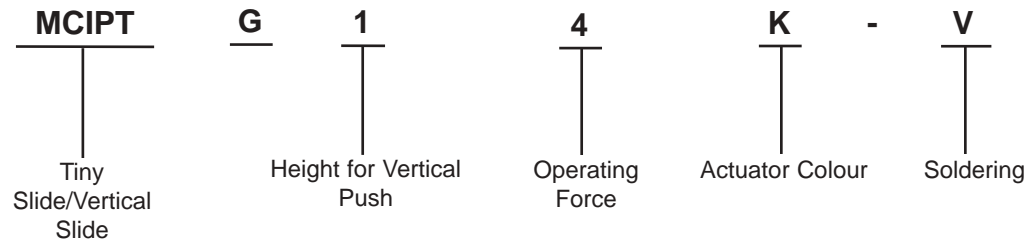
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## Part Number Table

Description	Part Number
Switch, 2.8 x 3.8mm Horizontal Push	MCIPTG14K-V

## Part Number Explanation:



**Height for Vertical Push** : 1 = Side Push.  
**Operating Force** : 4 = 200gf (only for side push).  
**Actuator Colour** : K = Black.  
**Soldering** : V = Lead Free.

<http://www.farnell.com><http://www.newark.com><http://www.cpc.co.uk>

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SHEET: 4 OF 4