

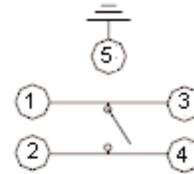
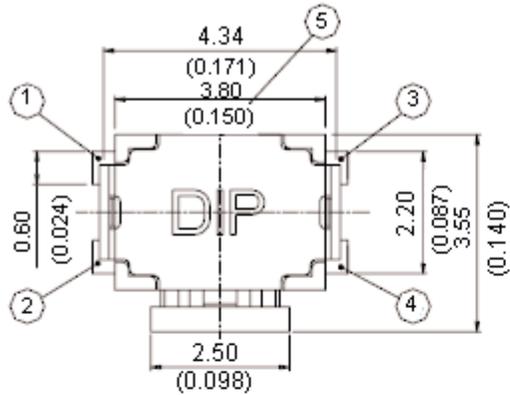


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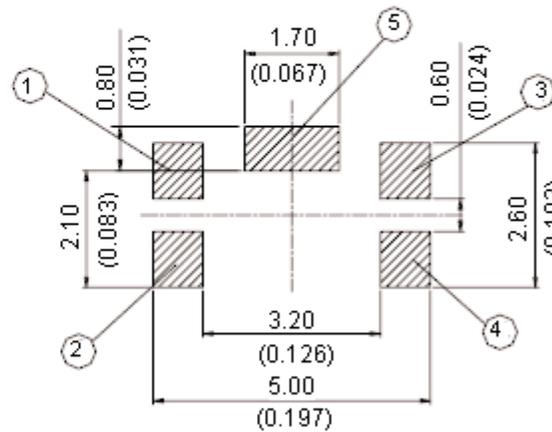
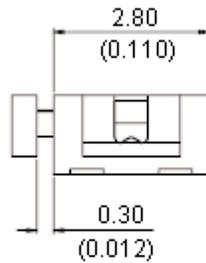
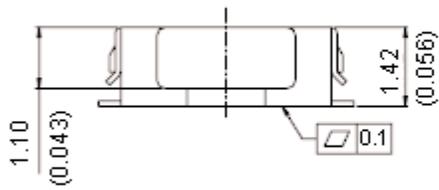
MCIPTG14K-V

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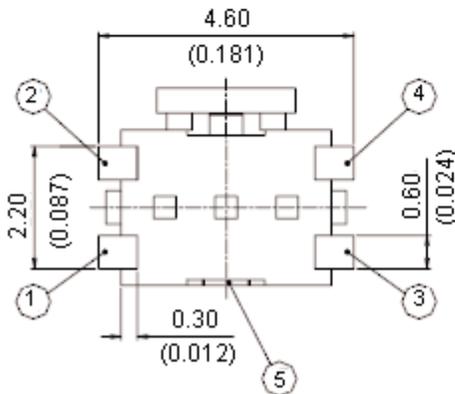
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-	A	RELEASED	Veena	18/09/10	Jagan	18/09/10	Farnell	03/10/10



Circuit Diagram



PCB Layout



Dimensions : Millimetres (Inches)

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DRAWING TITLE:

Horizontal Push Switch

SIZE A	DWG NO. M10002471	ELECTRONIC FILE IPT_DWG	REV 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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	Jagan	18/09/10	A	M10002471	IPT_DWG	A
	APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: mm (Inches)	
Farnell	03/10/10					



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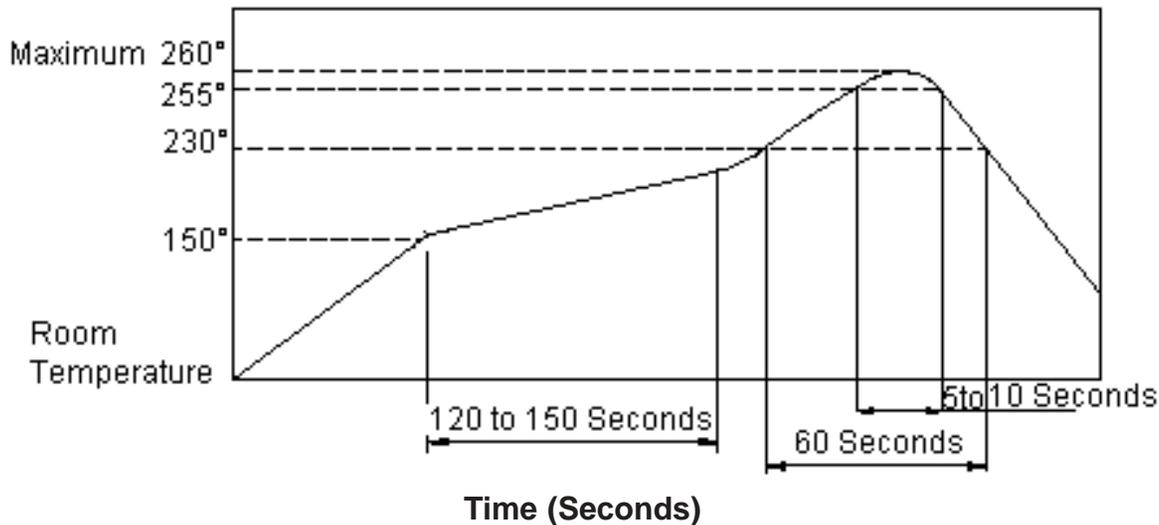
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Soldering Process:

- 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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DRAWING TITLE:			
Horizontal Push Switch			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002471	IPT_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 3 OF 4	



PART NO.

MCIPTG14K-V

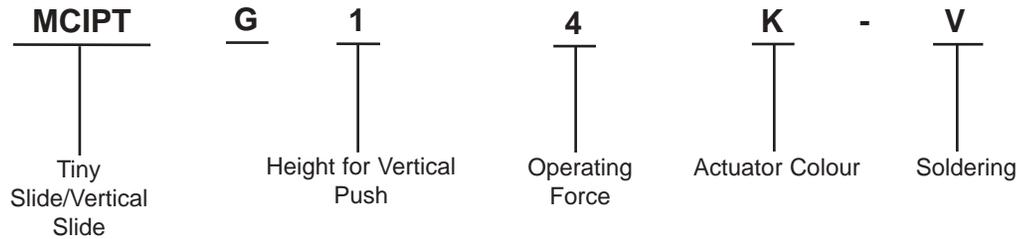
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Part Number Table

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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Horizontal Push Switch			
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SCALE: NTS		U.O.M.: mm (Inches)	SHEET: 4 OF 4