

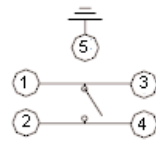
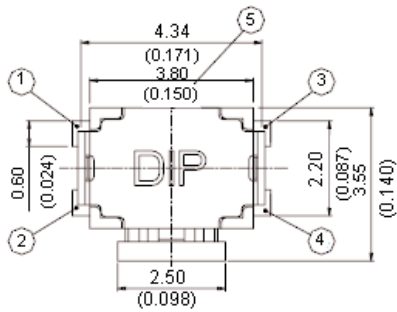


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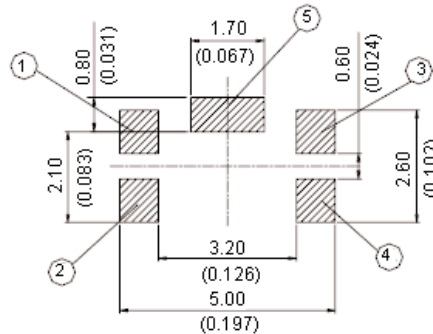
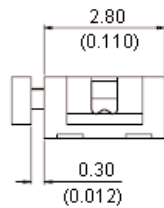
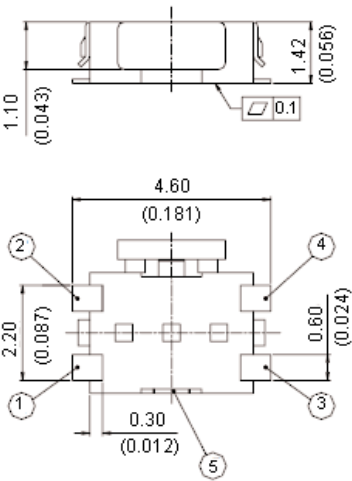
MCIPTG14K-V

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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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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Farnell	03/10/10

**DRAWING TITLE:**

Horizontal Push Switch

<b>SIZE</b> A	<b>DWG NO.</b> M10002471	<b>ELECTRONIC FILE</b> IPT_DWG	<b>REV</b> A
<b>SCALE:</b> NTS		<b>U.O.M.:</b> mm (Inches)	<b>SHEET:</b> 2 OF 4



PART NO.

MCIPTG14K-V

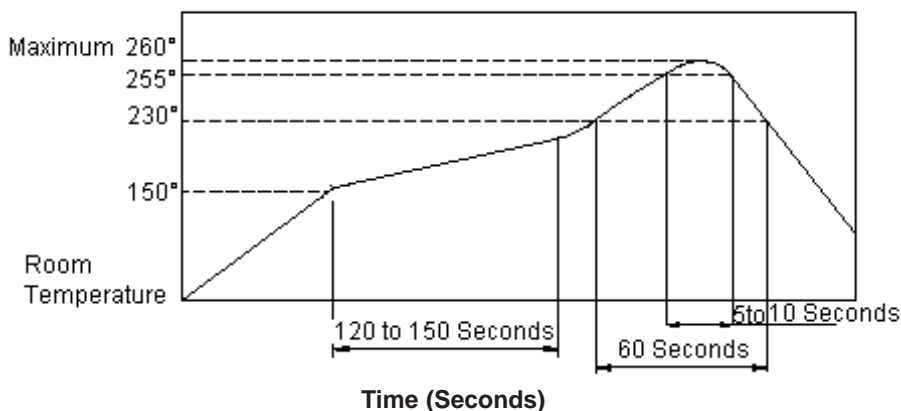
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**Soldering Process:**

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



PART NO.

MCIPTG14K-V

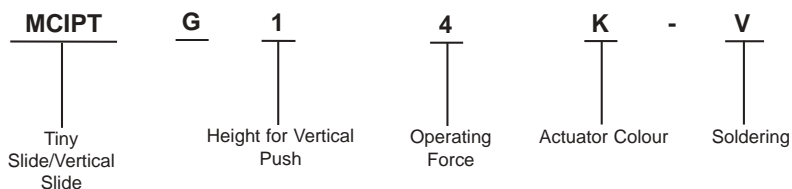
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Part Number Table

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			
<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
A	M10002471	IPT_DWG	A
<b>SCALE: NTS</b>		<b>U.O.M.: mm (Inches)</b>	<b>SHEET: 4 OF 4</b>