



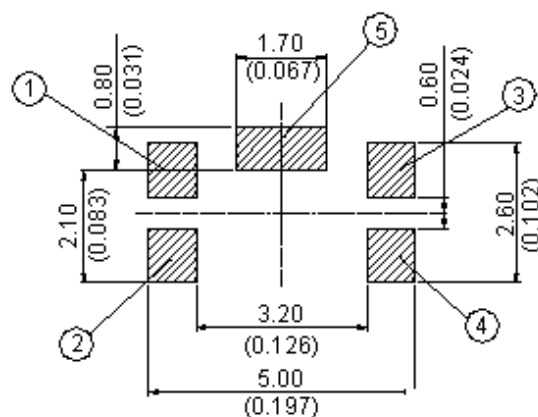
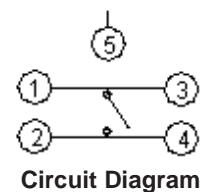
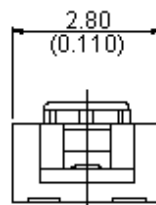
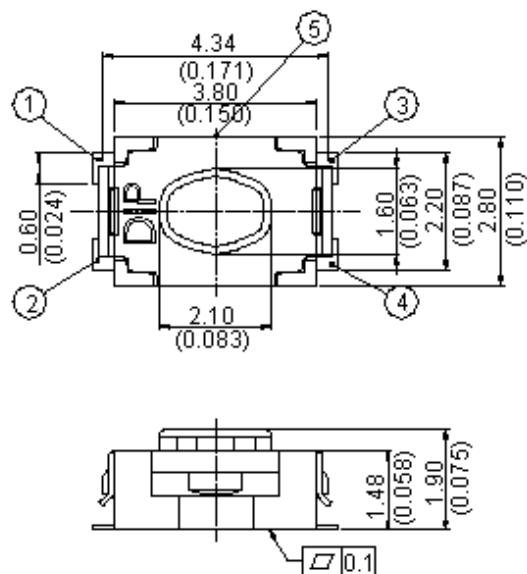
PART NO.

MCIPTG - Series

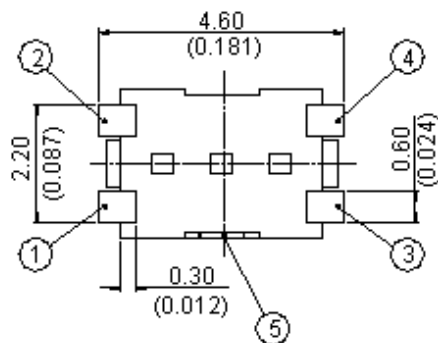
## REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Veena	03/6/08	Suresh	03/6/08	G. C	17/6/08

## MCIPTG



PCB Layout



Dimensions : Millimetres (Inches)

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## DRAWN BY:

Veena

## DATE:

03/06/08

## CHECKED BY:

Suresh

## DATE:

03/06/08

## APPROVED BY:

G.Cook

## DATE:

17/06/08

## DRAWING TITLE:

Detector Switch - Card

SIZE  
A

DWG NO.

M10001231

ELECTRONIC FILE  
IPTG Switch\_DWGREV  
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 3



PART NO.

MCIPTG - Series

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**Specifications:****Mechanical:**

Operating force : 160 ± 50gf vertical push  
220 +80/-70gf side push.

Stroke : 0.25 +0.2/-0.1mm.

Operating temperature : -30°C to 80°C.

Storage temperature : -40°C to 80°C.

**Electrical:**

Electrical life : 100,000 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 : LCP High-temperature thermoplastic.

Color : Black.

Tape : Teflon.

Contact : Stainless steel with silver plating.

Base : LCP High-temperature thermoplastic

Color : Black.

Terminal : Brass, with silver plating

Brass, gold plated.

**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 oven should be set to 260°C maximum.

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DWG NO.

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ELECTRONIC FILE  
IPTG Switch\_DWGREV  
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SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 2 OF 3



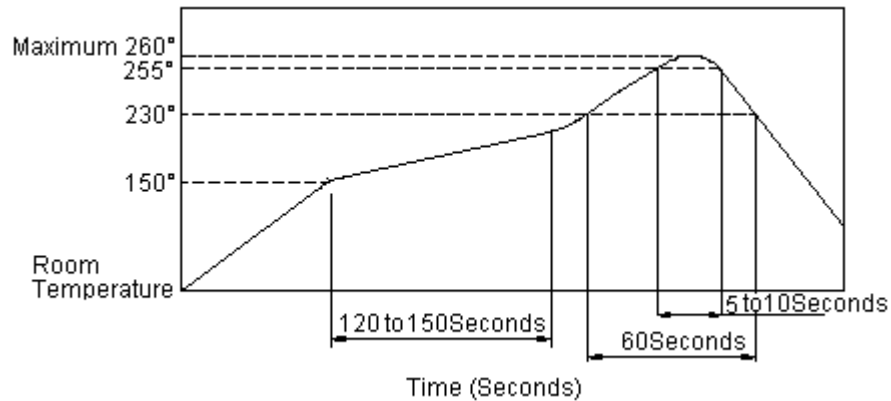
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## Reflow Temperature Profile:



## Part Number Table

Description	Part Number
Switch, 2.8 x 3.8mm Horizontal Push	MCIPTG14K-V
Switch, 2.8 x 3.8mm Vertical Push	MCIPTG23K-V
Switch, 2.8 x 3.8mm Vertical Push	MCIPTG33K-V

## Part Number Explanation:

**MC** **IPT** **G** **1** **4** **K** **-** **V**

Tiny Slide/Vertical Slide      Height for Vertical Push      Operating Force      Black      Soldering

**Height for Vertical Push** : 1 = Side Push, 2 = Vertical Push H : 1.90mm and 3 = Vertical Push H : 2.50mm (to be available).  
**Operating Force** : 3 = 160gf (only for vertical push) and 4 = 200gf (only for side push).

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

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ELECTRONIC FILE  
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SHEET: 3 OF 3