



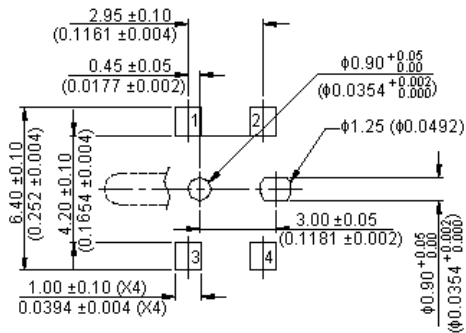
PART NO.

MCFTE - Series

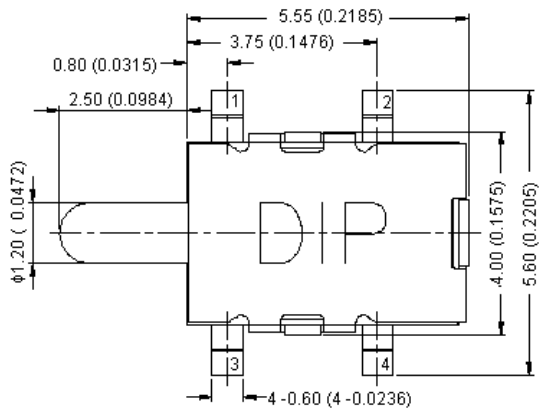
REVISIONS

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

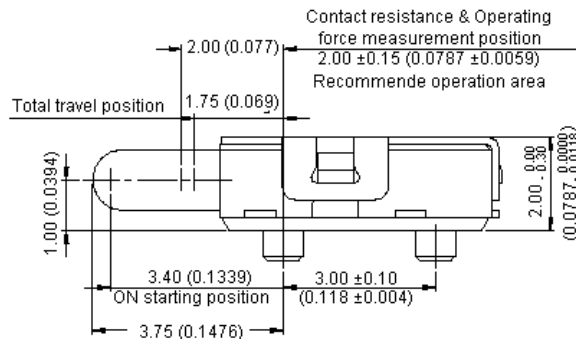
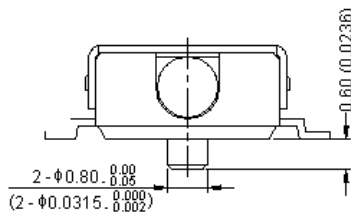
MCFTE-2C-V



PCB Layout



Circuit Diagram



Dimensions : Millimetres (Inches)

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Suresh	03/06/08
APPROVED BY:	DATE:
G.Cook	17/06/08

DRAWING TITLE:			
Detector Switch - SMD			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001222	FTE-V_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 OF 4	



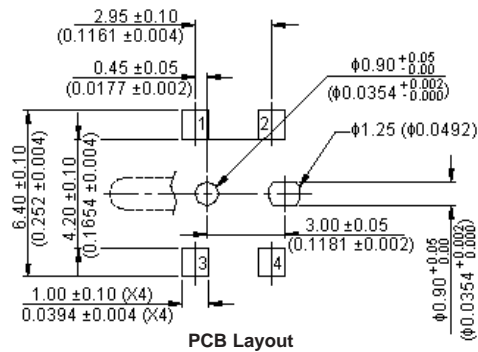
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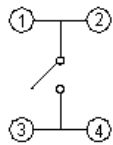
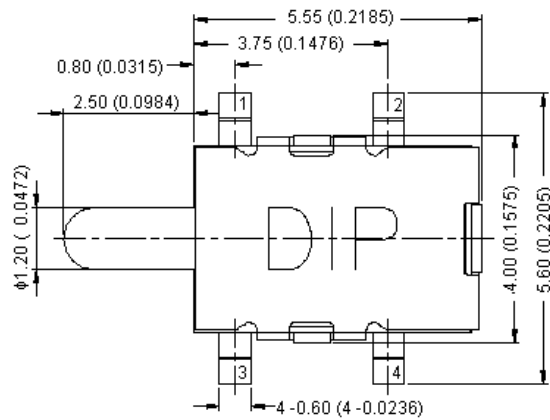
REVISIONS

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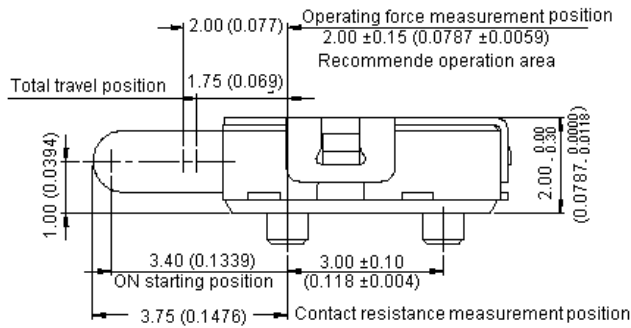
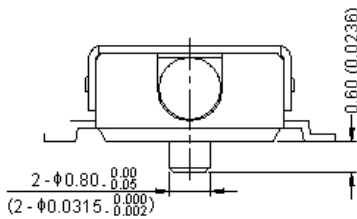
MCFTE-3C-V



PCB Layout



Circuit Diagram



Dimensions : Millimetres (Inches)

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DRAWING TITLE:			
Detector Switch - SMD			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10001222	FTE-V_DWG	A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 OF 4	



PART NO.

MCFTE - Series

REVISIONS

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

**Specifications:**

**Mechanical:**

Maximum operating force : 50gf.  
 Operating temperature range : -10°C to +60°C.  
 Storage temperature range : -20°C to +70°C.

**Electrical:**

Electrical life : 100,000 cycles.  
 Rating : 1mA, 5V dc.  
 Maximum contact resistance : 2Ω.  
 Minimum insulation resistance : 100MΩ.  
 Dielectric strength : 100V ac/1 minute.

**Material:**

Cover : Stainless steel.  
 Base : Nylon high-temperature thermoplastic.  
     Color : Black.  
 Stem : Nylon high-temperature thermoplastic.  
     Color : Black.  
 Contact : Stainless with silver plated  
           Stainless with Au plated.  
 Terminal : Brass with silver plated  
            Brass with Au plated.  
 Spring : Piano wire.

**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 at 260°C maximum.

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Suresh	03/06/08
<b>APPROVED BY:</b>	<b>DATE:</b>
G.Cook	17/06/08

**DRAWING TITLE:**

Detector Switch - SMD

<b>SIZE</b>	<b>DWG NO.</b>	<b>ELECTRONIC FILE</b>	<b>REV</b>
A	M10001222	FTE-V_DWG	A
<b>SCALE: NTS</b>		<b>U.O.M.: mm (Inches)</b>	<b>SHEET: 3 OF 4</b>



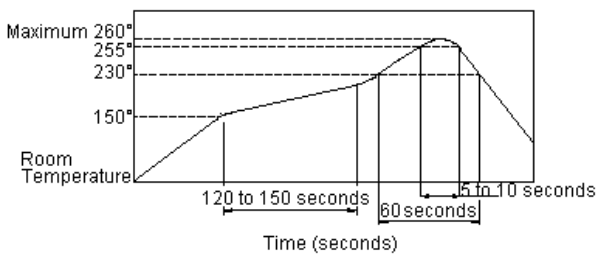
PART NO.

MCFTE - Series

REVISIONS

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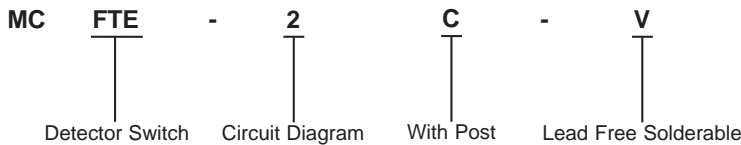
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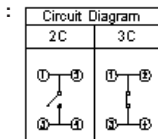
Part Number Table

Description	Part Number
Switch, Micro Detect SMD	MCFTE-2C-V
	MCFTE-3C-V

Part Number Explanation:



Circuit Diagram



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

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Detector Switch - SMD			
SIZE A	DWG NO. M10001222	ELECTRONIC FILE FTE-V_DWG	REV A
SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 4 OF 4	