



PART NO.

MCFTE - Series

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	1.0	RELEASED	AB	05/07/13	ER	05/07/13	ER	05/07/13

**Specifications:**

**Mechanical:**

Maximum Operating Force : 50gf  
 Operating Temperature : -10°C to +60°C  
 Storage Temperature : -20°C to +70°C  
 External Height : 2mm  
 External Width : 4mm  
 External Depth : 5.55mm  
 Series : MCFTE

**Electrical:**

Electrical Life : 100,000 cycles  
 Rating : 1mA, 5V DC  
 Maximum Contact Resistance : 2Ω  
 Minimum Insulation Resistance : 100MΩ  
 Dielectric Strength : 100V AC/1minute  
 No. of Poles : 1  
 Contact Configuration : SPST

**Material:**

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



**Soldering Process:**

For best results, please follow these recommendations:

Hand Soldering : Use a soldering iron of 30W, controlled at 608°F (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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DRAWING TITLE:			
Detector Switch - SMD			
SIZE	DWG NO.	ELECTRONIC FILE	REV
A4	M10001222	0001	1.0
SCALE: NTS		U.O.M.: mm (inch)	SHEET: 1 of 4



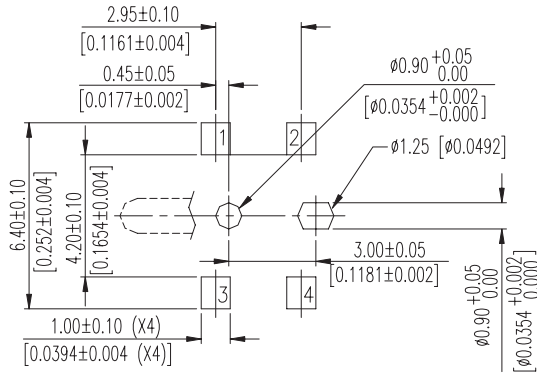
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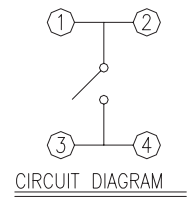
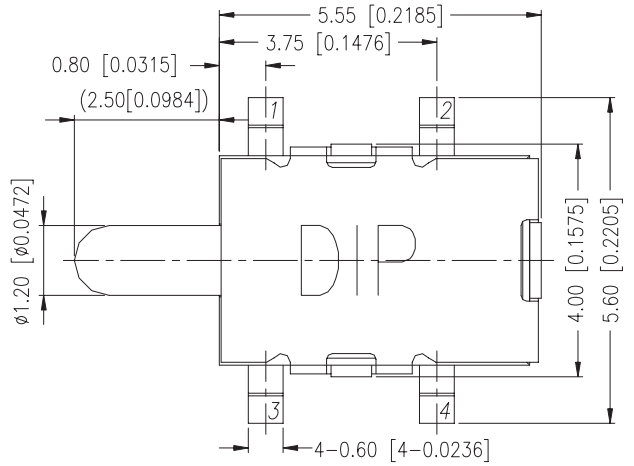
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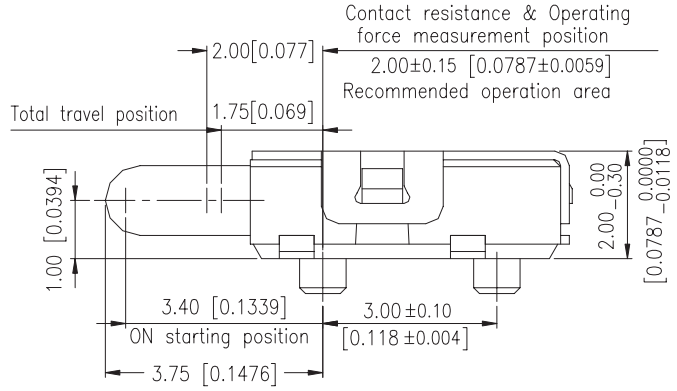
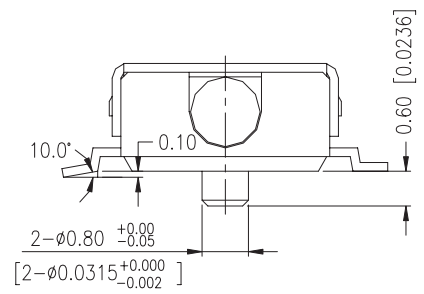
MCFTE-2C-V



P.C.B LAYOUT



CIRCUIT DIAGRAM



General Tolerance : ±0.2

Dimensions : Millimetres (Inches)

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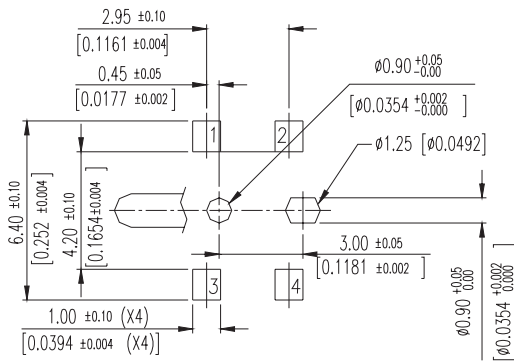
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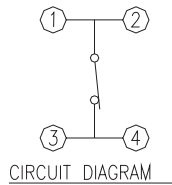
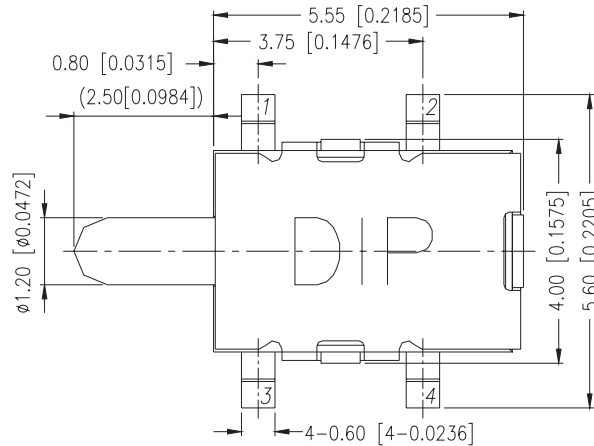
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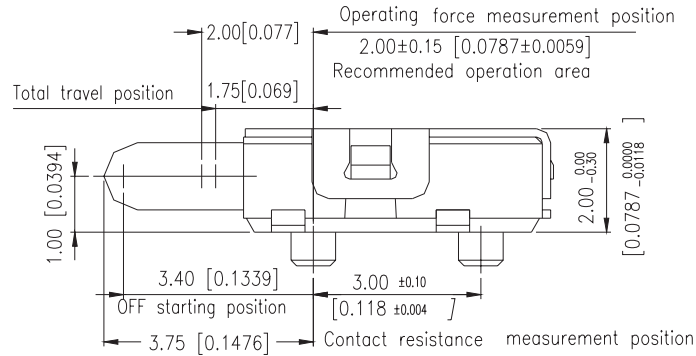
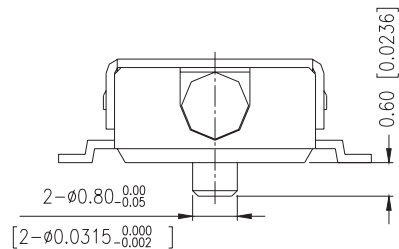
MCFTE-3C-V



P.C.B LAYOUT



CIRCUIT DIAGRAM



Dimensions : Millimetres (Inches)

General Tolerance : ±0.2

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