



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

A4

DWG NO.

M10001222

ELECTRONIC FILE

0001

REV

1.0

SCALE: NTS

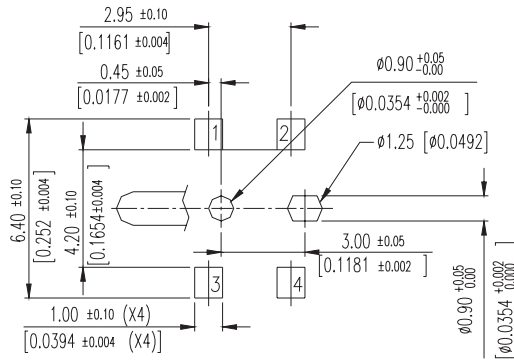
U.O.M.: mm (inch)

SHEET: 1 of 4

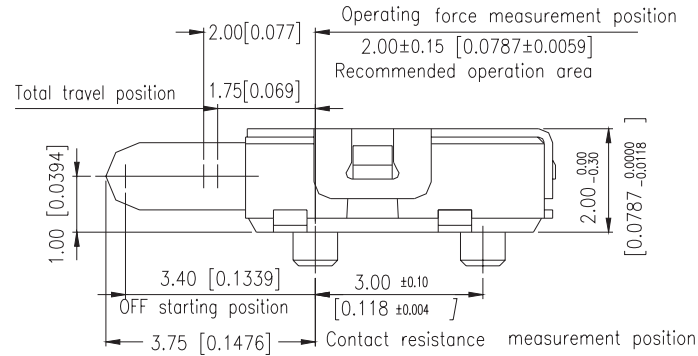
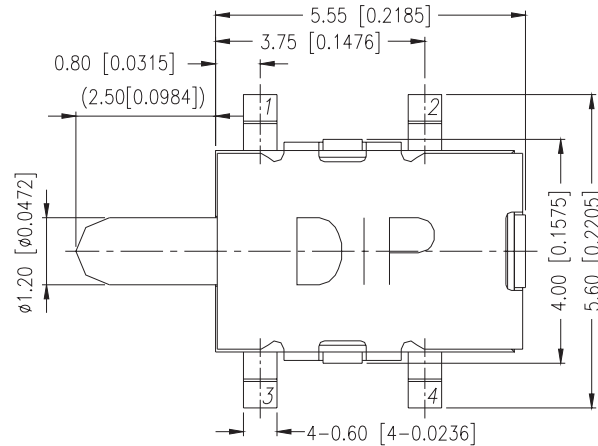
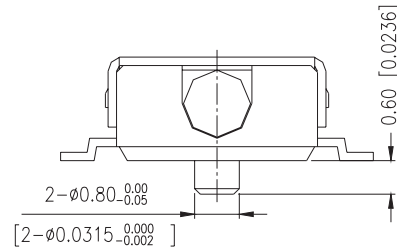
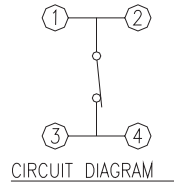
SHEET: 2 of 4

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MCFTE-3C-V



P.C.B LAYOUT



Dimensions : Millimetres (Inches)

General Tolerance : ±0.2

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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: 3 of 4



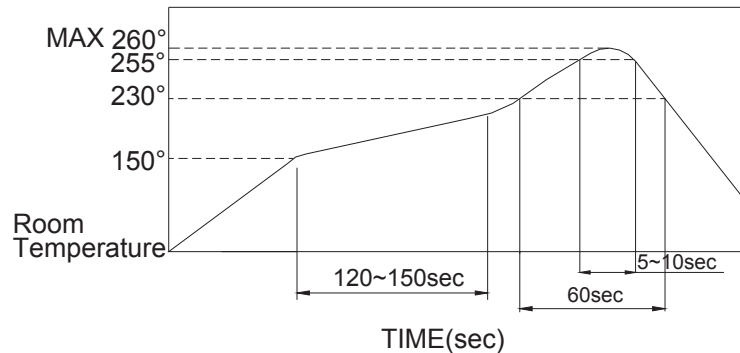
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Reflow Temperature Profile:

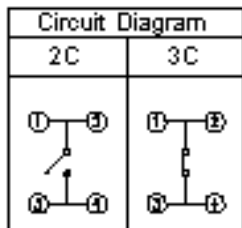


Part Number Explanation:

MC **FTE** - **2** **C** - **V**

Detector Switch Circuit Diagram With Post Lead Free Solderable

Circuit Diagram :



Part Number Table

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

www.element14.com
www.farnell.com
www.newark.com

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