

Recommended PCB Pad Layouts for 8-USON & 8-WSON Packages

1. Introduction

This application note specifies the recommended Printed Circuit Board pad layouts for the following 8-USON and 8-WSON packages.

2x3mm 8-USON
4x3mm 8-USON
4x4mm 8-USON
6x5mm 8-WSON
8x6mm 8-WSON

2. 2x3mm 8-USON

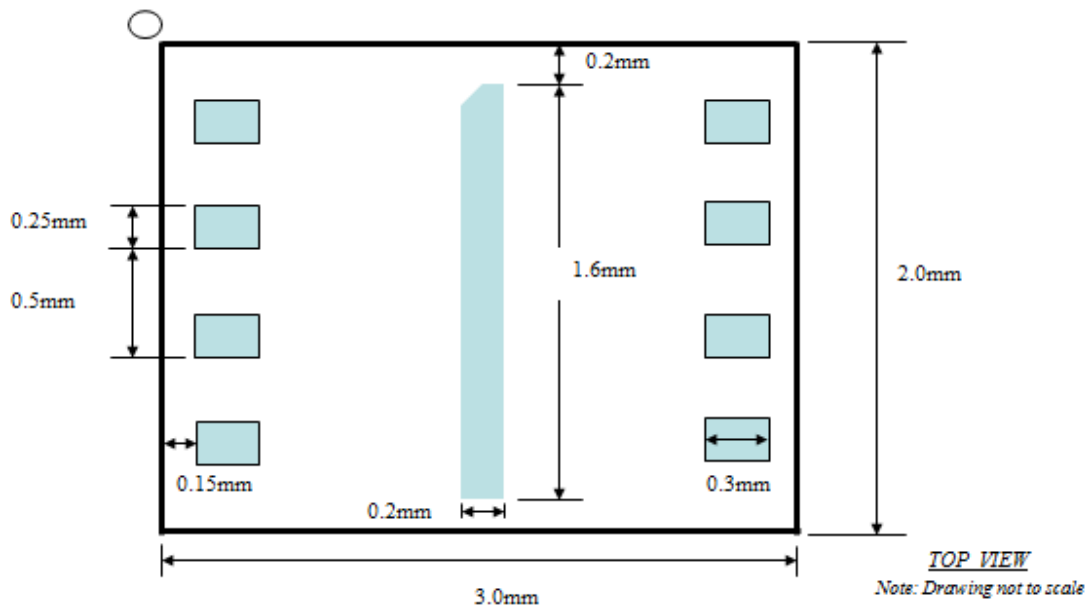


Figure-1: PCB pad layout for 2x3mm 8-USON

1. Dashed lines indicate the PCB pad layout.
2. Solid lines indicate the package outline.
3. Blue line indicates metal pad location. In general, it recommends that not run traces or place vias underneath the exposed metal pad area. In order to avoid any accidental shorting to the flash device, it suggests keep unsoldering between metal pad and PCB.

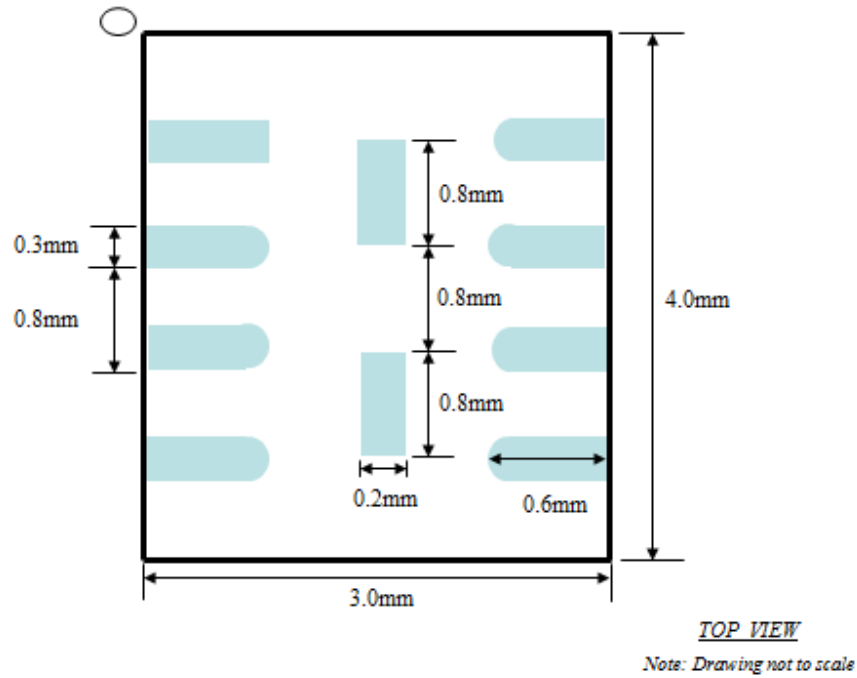
Recommended PCB Pad Layouts for 8-USON & 8-WSON Packages**3. 4x3mm 8-USON**

Figure-2: PCB pad layout 4x3mm 8-USON

Note:

1. Dashed lines indicate the PCB pad layout.
2. Solid lines indicate the package outline.
3. Blue line indicates metal pad location. In general, it recommends that not run traces or place vias underneath the exposed metal pad area. In order to avoid any accidental shorting to the flash device, it suggests keep unsoldering between metal pad and PCB.

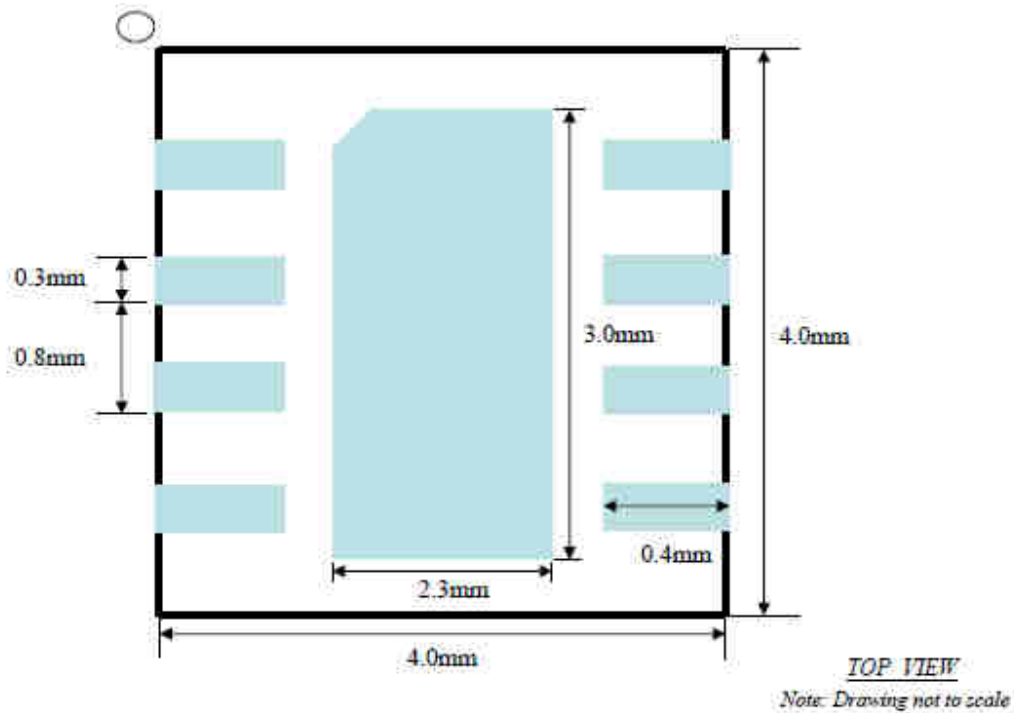
Recommended PCB Pad Layouts for 8-USON & 8-WSON Packages**4. 4x4mm 8-USON**

Figure-3: PCB pad layout 4x4mm 8-USON

Note:

1. Dashed lines indicate the PCB pad layout.
2. Solid lines indicate the package outline.
3. Blue line indicates metal pad location. In general, it recommends that not run traces or place vias underneath the exposed metal pad area. In order to avoid any accidental shorting to the flash device, it suggests keep unsoldering between metal pad and PCB.

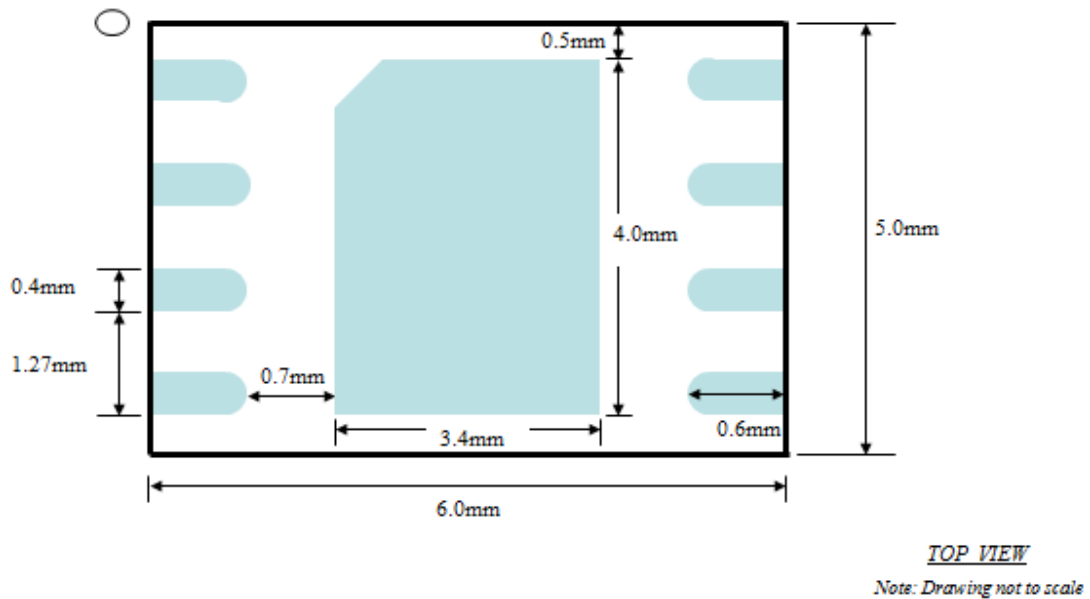
Recommended PCB Pad Layouts for 8-USON & 8-WSON Packages**5. 6x5mm 8-WSON**

Figure-4: PCB pad layout for 6x5mm 8-WSON

1. Dashed lines indicate the PCB pad layout.
2. Solid lines indicate the package outline.
3. Blue line indicates metal pad location. In general, it recommends that not run traces or place vias underneath the exposed metal pad area. In order to avoid any accidental shorting to the flash device, it suggests keep unsoldering between metal pad and PCB.

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6. 8x6mm 8-WSON

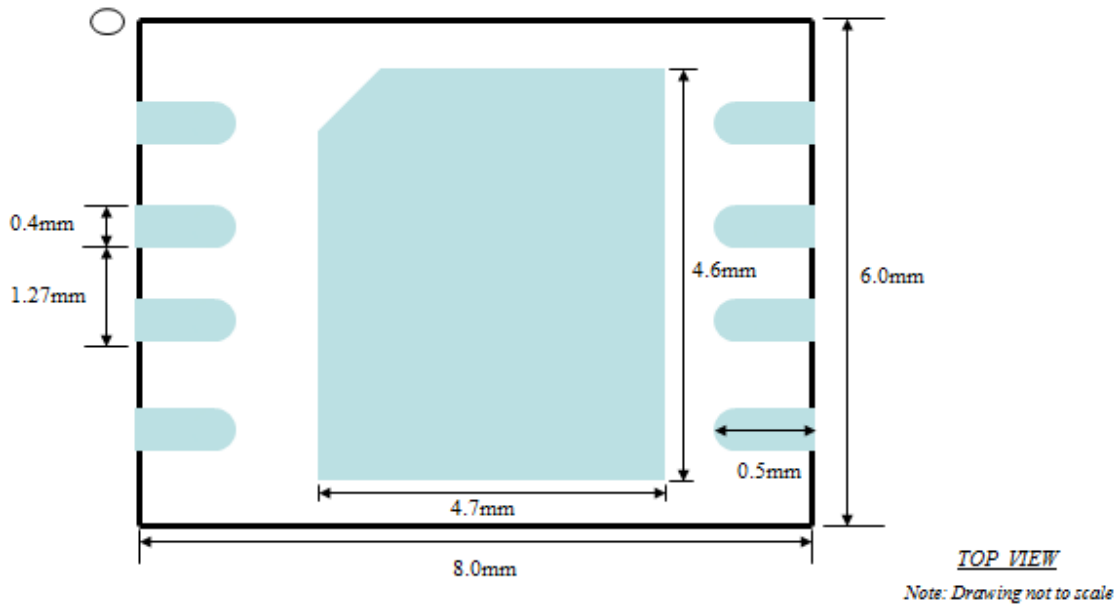


Figure-5: PCB pad layout for 8x6mm 8-WSON

1. Dashed lines indicate the PCB pad layout.
2. Solid lines indicate the package outline.
3. Blue line indicates metal pad location. In general, it recommends that not run traces or place vias underneath the exposed metal pad area. In order to avoid any accidental shorting to the flash device, it suggests keep unsoldering between metal pad and PCB.

7. Revision History

Revision	Description	Date
1.0	Initial Release	May. 15, 2012
2.0	Redraw package layout	Apr. 12, 2016
3.0	Modify PCB Pad Size to match component typical dimensions instead of min/max dimensions.	Mar. 31, 2016
4.0	Add 4x3mm 8-USON layout	May. 09, 2017



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APPLICATION NOTE

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