Analog Devices Welcomes Hittite Microwave Corporation

NO CONTENT ON THE ATTACHED DOCUMENT HAS CHANGED

www.analog.com www.hittite.com
QS16 (E) Package Outline Drawing

NOTES:
1. LEADFRAME MATERIAL: COPPER ALLOY
2. DIMENSIONS ARE IN INCHES [MILLIMETERS]
3. DIMENSION DOES NOT INCLUDE MOLDFLASH OF 0.15mm PER SIDE.
4. DIMENSION DOES NOT INCLUDE MOLDFLASH OF 0.25mm PER SIDE.
5. ALL GROUND LEADS MUST BE SOLDERED TO PCB RF GROUND.

Package Information

<table>
<thead>
<tr>
<th>Part Number Suffix</th>
<th>Package Body Material</th>
<th>Lead Finish</th>
<th>MSL Rating</th>
<th>Package Marking [3][4]</th>
</tr>
</thead>
<tbody>
<tr>
<td>QS16</td>
<td>RoHS Compliant Mold Compound</td>
<td>Sn/Pb Solder</td>
<td>MSL1 [1]</td>
<td>HMCNNN XXXX</td>
</tr>
<tr>
<td>QS16E</td>
<td>RoHS Compliant Mold Compound</td>
<td>100% matte Sn</td>
<td>MSL1 [2]</td>
<td>HMCNNN XXXX</td>
</tr>
</tbody>
</table>

[1] Max peak reflow temperature of 235 °C
[3] 4-Digit lot number XXXX
[4] 3-Digit part number NNN
Suggested QS16 (E) PCB Land Pattern

NOTES:
1. DIMENSIONS ARE IN INCHES [MILLIMETERS].
2. PAD WIDTH SHOWN IS FOR SOLDERING ONLY. BEYOND SOLDERING AREA ALL CONDUCTORS THAT CARRY RF AND MICROWAVE SIGNALS SHOULD HAVE 50 OHM CHARACTERISTIC IMPEDANCE.
QS16G (E) Package Outline Drawing

NOTES:
1. LEADFRAME MATERIAL: COPPER ALLOY
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3. DIMENSION DOES NOT INCLUDE MOLDFLASH OF 0.15mm PER SIDE.
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For price, delivery, and to place orders, please contact Hittite Microwave Corporation:
20 Alpha Road, Chelmsford, MA 01824 Phone: 978-250-3343 Fax: 978-250-3373
Order On-line at www.hittite.com
QS16G (E) – 16 LEAD PLASTIC QSOP PACKAGE WITH EXPOSED BASE

Suggested QS16G (E) PCB Land Pattern

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