

## Material Set Change:

| Package Material Set |               | Carsem              | ASE Chungli      |
|----------------------|---------------|---------------------|------------------|
| QSOP                 | Die Attach    | Ablestik 84-1LMISR4 | Hitachi EN4900GC |
|                      | Mold Compound | Sumitomo G600C      | Sumitomo G700LY  |
|                      | Wire          | 1.0mil Gold Wire    | 1.0mil Gold Wire |

**Qualification Results Summary for  
ADuM7640/ADuM7641/ADuM7642/ADuM7643 Polyimide  
Overcoat Addition and Assembly Site Transfer**

| QUALIFICATION PLAN / STATUS  |                            |                          |                                  |
|--|----------------------------|--------------------------|----------------------------------|
| TEST   | SPECIFICATION              | SAMPLE SIZE              | RESULTS                          |
| High Temperature Operating Life (HTOL)* <sup>2</sup>                           | JEDEC <i>JESD22-A108</i>   | <b>9 x 77</b>            | <b>Pass</b>                      |
| Highly Accelerated Stress Test (HAST)* <sup>1</sup>                            | JEDEC <i>JESD22-A110</i>   | <b>8 x 77<br/>1 x 45</b> | <b>Pass</b>                      |
| Temperature Cycle (TC)* <sup>1</sup>   | JEDEC <i>JESD22-A104</i>   | <b>8 x 77</b>            | <b>Pass</b>                      |
| Unbiased HAST* <sup>1</sup>  | JEDEC <i>JESD22-A118</i>   | <b>7 x 77</b>            | <b>Pass</b>                      |
| High Temperature Storage Life (HTSL) <sup>1</sup>                              | JEDEC <i>JESD22-A103</i>   | <b>9 x 77</b>            | <b>Pass</b>                      |
| Solder Heat Resistance (SHR)* <sup>1</sup>                                     | JEDEC/IPC <i>J-STD-020</i> | <b>1 x 30</b>            | <b>Pass</b>                      |
| Latch-Up <sup>1</sup>  | JEDEC <i>JESD78</i>        | <b>1 x 18</b>            | <b>Passed ±200mA<br/>@+8.25V</b> |
| Electrostatic Discharge <i>Human Body Model</i> <sup>1</sup>                   | ESDA/JEDEC <i>JS-001</i>   | <b>3/voltage</b>         | <b>Passed ±3500V</b>             |
| Electrostatic Discharge <i>Field-Induced Charged Device Model</i> <sup>1</sup> | JEDEC <i>JESD22-C101</i>   | <b>3/voltage</b>         | <b>Passed ±1000V</b>             |

\*Preconditioned per JEDEC/IPC J-STD-020

<sup>1</sup>Electrical test was performed at Room