

Assembly Transfer of 18,20,24,28 Lead PDIP to Cirtek

**Qualification Results Summary for PDIP at Cirtek**

| QUALIFICATION RESULTS                           |                          |               |             |
|---|--------------------------|---------------|-------------|
| TEST  | SPECIFICATION            | SAMPLE SIZE   | RESULTS     |
| Temperature Cycle (TCT)                         | JEDEC <i>JESD22-A104</i> | <b>7 x 77</b> | <b>Pass</b> |
| Highly Accelerated Stress Test (HAST)           | <i>JEDEC JESD22-A110</i> | <b>3 x 77</b> | <b>Pass</b> |
| Unbiased Highly Accelerated Stress Test (uHAST) | JEDEC <i>JESD22-A118</i> | <b>6 x 77</b> | <b>Pass</b> |
| Autoclave Test (AC)                             | JEDEC <i>JESD22-A102</i> | <b>4 x 77</b> | <b>Pass</b> |
| High Temperature Storage Life Test (HTSL)       | JEDEC <i>JESD22-A103</i> | <b>4 x 77</b> | <b>Pass</b> |
| Solderability Test (ST)                         | JEDEC <i>JESD22-B102</i> | <b>6 x 5</b>  | <b>PASS</b> |

# Material Set

## ► For parts with die coat

| Assembly Site | From                                  | To                     |
|---------------|---------------------------------------|------------------------|
| Wire          | 1.2 4N Au                             | 1.2 4N Au              |
| Die Attach    | Ablestik 84-1LMISR4                   | Ablestik 84-1LMISR4    |
| Die Coat      | DOW4939<br>Q3-6646                    | DOW4939<br>Q3-6646     |
| Mold Compound | Sumitomo G600<br>Sumitomo EME 6300H3L | Sumitomo G600          |
| Plating       | 100% Matte Sn and SnPb                | 100% Matte Sn and SnPb |

## ► For parts without die coat

| Assembly Site | From                                  | To                     |
|---------------|---------------------------------------|------------------------|
| Wire          | 1.2 4N Au                             | 1.2 4N Au              |
| Die Attach    | Ablestik 84-1LMISR4<br>Ablestik 8361J | Ablestik 84-1LMISR4    |
| Mold Compound | Sumitomo G600                         | Sumitomo G600          |
| Plating       | 100% Matte Sn and SnPb                | 100% Matte Sn and SnPb |