

**Alternate Assembly Site of Select Isolator Products in  
8L/16L SOIC\_N, 16L/20L SOIC\_W and 16L/20L SOIC\_IC at ASE Chungli**

**Automotive Qualification Results Summary  
of 16L SOIC\_W Package at ASE Chungli**

<b>QUALIFICATION RESULT</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
Solderability	JEDEC <i>JESD22-B102</i>	3 x 5	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS

\*These samples were subjected to preconditioning (per J-STD-020 Level 3) prior to the start of the stress test. Level 3 preconditioning consists of the following: Bake: 24 hrs @ 125°C, Unbiased Soak: 192 hrs @ 30°C, 60%RH, Reflow: 3 passes through an oven with a peak temperature of 260°C. TC samples were subjected to wire-pull test after 500 cycles with results within specification limits

**Alternate Assembly Site of Select Isolator Products in  
8L/16L SOIC\_N, 16L/20L SOIC\_W and 16L/20L SOIC\_IC at ASE Chungli**

**Automotive Qualification Results Summary  
of 8L/16L SOIC\_N Package at ASE Chungli**

<b>QUALIFICATION RESULT</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
Solderability	JEDEC <i>JESD22-B102</i>	3 x 5	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS

\*These samples were subjected to preconditioning (per J-STD-020 Level 1) prior to the start of the stress test. Level 1 preconditioning consists of the following: Bake: 24 hrs @ 125°C, Unbiased Soak: 168 hrs @ 85°C, 85%RH, Reflow: 3 passes through an oven with a peak temperature of 260°C. TC samples were subjected to wire-pull test after 500 cycles with results within specification limits

## Material Set Change:

Package Material Set		Carsem	ASE Chungli
SOIC_N	Die Attach	Ablestik 84-1LMISR4	Hitachi EN4900GC
SOIC_W	Mold Compound	Sumitomo 6600H or G600C	Sumitomo G700LY
SOIC_IC	Wire	1.0mil and 1.3 mil Gold Wire	1.0mil and 1.3mil Gold Wire

Package Material Set		Carsem	ASE Chungli
SOIC_N	Die Attach	Ablestik 84-3J	Ablestik 2025D
SOIC_W	Mold Compound	Sumitomo 6600H or G600C	Sumitomo G700LY
SOIC_IC	Wire	1.0mil and 1.3 mil Gold Wire	1.0mil and 1.3mil Gold Wire

**Alternate Assembly Site of Select Isolator Products in  
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**8L/16L SOIC\_N at ASE Chungli  
Qualification Results Summary**

<b>QUALIFICATION RESULT</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS

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

**Alternate Assembly Site of Select Isolator Products in  
8L/16L SOIC\_N, 16L/20L SOIC\_W and 16L/20L SOIC\_IC at ASE Chungli**

**16L/20L SOIC\_W at ASE Chungli  
Qualification Results Summary**

<b>QUALIFICATION RESULT</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS

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

**Alternate Assembly Site of Select Isolator Products in  
8L/16L SOIC\_N, 16L/20L SOIC\_W and 16L/20L SOIC\_IC at ASE Chungli**

**16L/20L SOIC\_IC at ASE Chungli  
Qualification Results Summary**

<b>QUALIFICATION RESULT</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	PASS

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