

## Material Set Change:

Material Set	ASE Malaysia	ASE Chungli
Die Attach	Ablestik 3230 Hitachi EN 4900GC	Hitachi EN 4900GC
	Hitachi HR 5104 film	Hitachi HR 5104 film
Mold Compound	Sumitomo G700LY Hitachi CEL 9240HF10AK-G1	Sumitomo G700LA
Wire Diameter	1.0	1.0
	1.28 1.30	1.3
Wire Type	Gold 2N Gold 4N	Gold 2N

## Qualification Results Summary of LQFP & eLQFP at ASE Chungli

QUALIFICATION STATUS – LQFP & EXPOSED LQFP			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
High Temperature Operating Life (HTOL)*	JEDEC <i>JESD22-A108</i>	<b>16*77</b>	<b>Pass</b>
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	<b>14*77</b>	<b>Pass</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	<b>14*77</b>	<b>Pass</b>
Autoclave (PCT)*	JEDEC <i>JESD22-A102</i>	<b>15*77</b>	<b>Pass</b>
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	<b>13*45</b>	<b>Pass</b>
Early Life Failure Rate (ELF)	<i>AEC Q100-008</i>	<b>3*800</b>	<b>Pass</b>

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