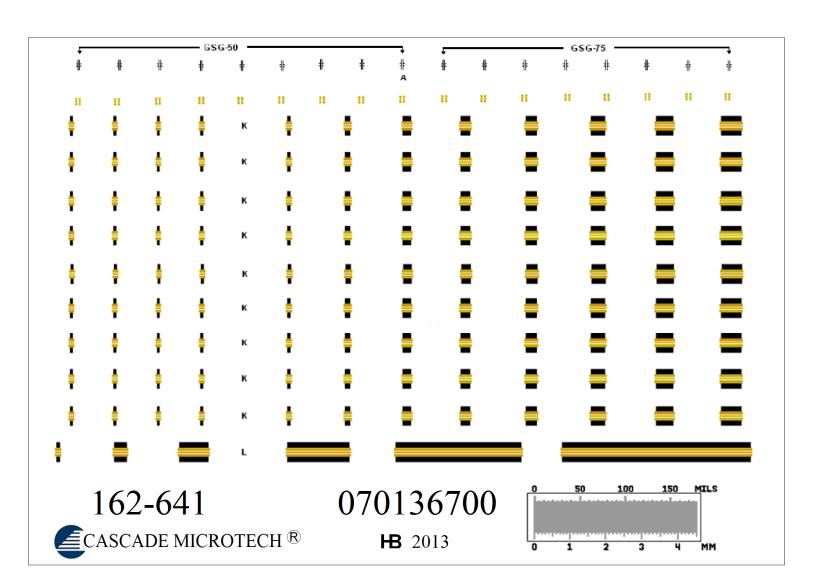
00011111000

Cascade Impedance Standard SubstrateMap

> P/N: 162-641

Independent Verification Standards

Pitch: **50 μm - 75 μm**Configuration: **GSG**

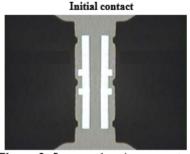


Verification Lines			
ID	ps	um	
K1	0.5	135	l II
K2	0.5	135	⊢
K3	0.5	135	∣ ⊢
K4	0.5	135	l II
K5	1.1	215	→ ⊬
K6	1.4	250	65 um
K7	1.9	315	
K8	2.3	365	Alignment Marks
K9	2.7	420	
K10	3.2	485	
K11	3.8	570	
K12	4.5	655	
ID	ps	um	
L1	1	200	
L2	3	450	Note: ISS must be
L3	7	900	mounted on absorber
L4	14	1800	material (such as ISS Holder PN 116-344)
L5	27	3500	during Verification.
L6	40	5250	_

Verification Line delays are based on an overtravel (downward movement of probe after initial touchdown on the substrate) of 25-50 µm for Infinity style probes. This amount of overtravel can be set before verification on the Independent Verification Standard (IVS) using the alignment marks (allows precise setting of probe separation and overtravel). Figure 1 shows that initial contact with the edge of the probe tips should be made at reference plane X. The desired overtravel and thus skate (forward movement of probe tips after initial contact with substrate) is then achieved by adjusting the Z height on the positioner to move the edge of the probe tips to reference plane Y. This can also be seen from the photographic images shown in Figure 2. Probe separation will need to be adjusted in the x-axis before verification on different line lengths



Figure 1: Alignment marks



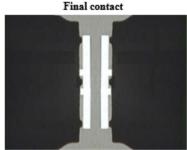


Figure 2: Images showing correct alignment and placement of probe tips of Infinity style probes.

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