000111110001

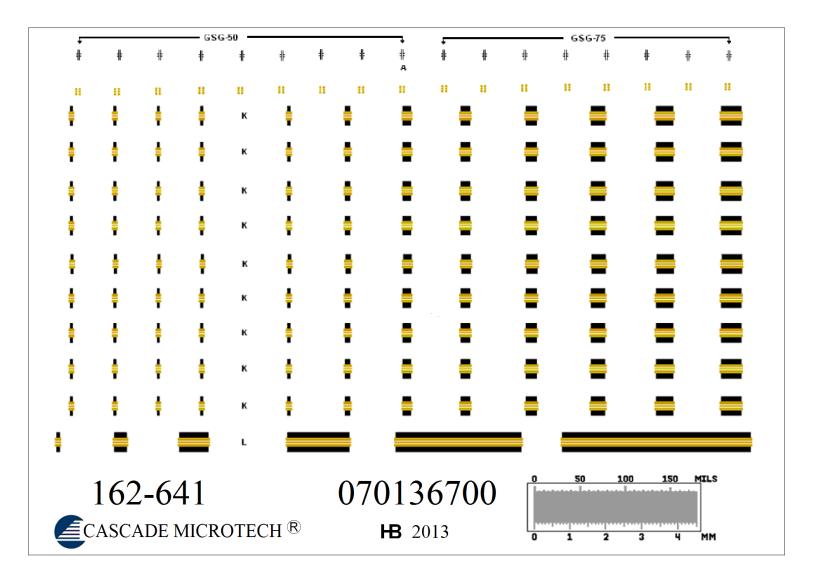
Cascade Impedance Standard SubstrateMap

> P/N: 162-641

Independent Verification Standards

Pitch: **50 μm - 75 μm**

Configuration: GSG



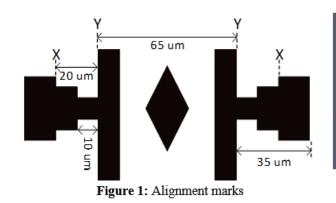


Key to Map

Key to the 162-641 Map

Verification Lines			
ID	ps	um	
K1	0.5	137	
K2	0.5	137	n a la
K3	0.5	137	
K4	0.5	137	
K5	1.1	217	
K6	1.4	252	€——>) 65 um
K7	1.9	317	
K8	2.3	367	Alignment Marks
K9	2.7	422	
K10	3.2	487	
K11	3.8	572	<u> 75</u> 25
K12	4.5	657	
ID	ps	um	Short
L1	1	202	
L2	3	452	Note: ISS must be
L3	7	902	mounted on absorbe
L4	14	1802	material (such as IS Holder PN 116-344
L5	27	3502	during Verification.
L6	40	5252	_

Verification Line delays are based on an overtravel (downward movement of probe after initial touchdown on the substrate) of 25-50 μ for Infinity style probes. This amount of overtravel can be set before verification on the Independent Verification Standard (IVS) usin 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 befor verification on different line lengths.



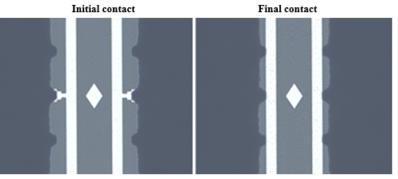


Figure 2: Images showing correct alignment and placement of probe tips of Infinity style probes

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