

Test Report

Supplier	Date	Article
Assessment made by	Sample lot size	
Result	Others	

Description of rating
0 = Non conforming
1 = Approved with exception
2 = Approved
3 = Excellent

Quality Check internal NCAB	Checked	Result	Class	Criteria	Comments
General issues	Y/N	0-3	1-3		
Packing / Labeling			N/A	NCAB 7.2.4.7 NCAB 7.4.2.99	
QA outgoing report			N/A	NCAB 7.4.1.11 NCAB 7.4.1.99	
UL-marking			N/A	UL-file	
Measurements Hole / Dimension			N/A	Customer demand / IPC-6012	
Repair / touchups			N/A		
Overall impression			N/A		
Quality Check visual			1-3		
Board edges - Nonmetallic burrs / nicks / haloing			2	IPC-A-600H 2.1	
Base material surface - Weave exposure / texture / pits / voids			2	IPC-A-600H 2.2	
Base material subsurface - Measling / Cracking / Delamination			2	IPC-A-600H 2.3	
Solder coatings - Nonwetting / Dewetting			2	IPC-A-600H 2.4	
Holes – Plated through - Nodules / Burrs / Voids			2	IPC-A-600H 2.5	
Holes – Plated through - Cap plating of filled holes			2	IPC-A-600H 2.5.6	
Holes – Unsupported - Haloing			2	IPC-A-600H 2.6	
Printed Contacts - Edge connectors / burrs			2	IPC-A-600H 2.7	
Marking - Etched Marking / Legend print			2	IPC-A-600H 2.8	
Solder Mask - Coverage / Registration			2	IPC-A-600H 2.9.1 2.9.2 2.9.3	
Solder Mask - Blister / Adhesion / Waves / Soda strawing			2	IPC-A-600H 2.9.4 2.9.5 2.9.6 2.9.8	

Pattern Definition - Indentation / Projection			2	IPC-A-600H 2.8	
Pattern Definition - Annular ring			2	IPC-A-600H 2.10	
Plated Through Holes - Solder coating thickness			2	IPC-A-600H 3.3.11 IPC-4552 IPC-4553 IPC-4554	
Flatness - Flatness			2	IPC-A-600H 2.11	
Quality Check micro section			1-3		
Dielectric Material - Laminate voids / Delamination / Etchback			2	IPC-A-600H 3.1.1 3.1.4 3.1.5	
Dielectric Material - Smear removal / Spacing / Resin recession			2	IPC-A-600H 3.1.6 3.1.8 3.1.9	
Conductive Pattern - Conductor thickness outer / inner			2	IPC-A-600H 3.2.3 3.2.4	
Plated Through Holes - Annular ring / Foil Crack / Plating Crack / Plating Nodules			2	IPC-A-600H 3.3.1 3.3.3 3.3.5 3.3.6 3.3.7	
Plated Through Holes - Plating Thickness			3	IPC-A-600H 3.3.8	
Plated Through Holes - Copper wrap / filling / Capping			2	IPC-A-600H 3.3.9 3.3.16 3.3.17	
Plated Through Holes - Plating voids / Wicking			2	IPC-A-600H 3.3.9 3.3.16 3.3.17	
Plated Through Holes - Innerlayer Separation			2	IPC-A-600H 3.3.14	
Plated Through Holes - Burrs / Nailheading			2	IPC-A-600H 3.4.1 3.4.2	