

Assemblies, Related Materials and Processes For rules and details of the IECQ visit www.iecq.org

Schedule of Scope to Certificate of Approval Approved Process - Capability Approval

IECQ Certificate No.: IECQ-C BSI 14.0010

CB Certificate No.: E015/CA

Schedule Numb	er: IECQ-C BSI 14.0010-S Rev No.: 17 Revision Date: 2015/07/14 Page 1 of 3
Board Types:	Rigid single and double-sided with plain holes BS CECC 23100-003
	Rigid double-sided with plated-through holes BS CECC 23200-003
	Rigid multi-layerBS CECC 23300-003CECC 23300-003
	Flexible single and double sided without-through CECC 23400-003 connections
	Flexible single and double-sided with through-connections CECC 23500-003
	Flex-rigid multi-layer with through-connections BS CECC 23600-807
	Flex-rigid double-sided with through-connections BS CECC 23700-80
	Flexible Multi-layer with through connections BS CECC 23800-807
Base Materials:	Epoxide Woven Glass Polyimide Woven Glass Polyimide Film Acrylic and Epoxide Adhesive
Board Size:	580 mmx430 mmMaximumBS EN 123 300580 mmx430 mmMaximumBS EN 123 100, 200430 mmx370 mmMaximumBS EN 123 400, 500, 600, 700, 800
Number of Layers:	24 Maximum BS EN 123 300 12 Maximum BS EN 123 600
Conductors:	Minimum Width: 80 μ m ± 30 % Minimum Spacing: 80 μ m ± 30 %

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IEC QUALITY ASSESSMENT SYSTEM (IECQ)

covering Electronic Components, Assemblies, Related Materials and Processes

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Plated through Hole Diameter:		um (finished) um (drilled)	for component mo via hole	unting
Aspect Ratio:	9.1 : 1 Maximur	n		
Finishes:	*Electroplated Tin-Lead *Tin-Lead; IR or Hot Oil fused *Hot Air Solder Levelling *Selective Nickel / Tin lead Electroless Nickel/Gold; 2.5μm Gold over Nickel Edge Contacts 2.5μm Gold over Copper Edge Contacts			
Organic Finishes:	Photopolymer solder resist, imageable liquid resist Solder resist, oven or UV cured Legend, oven or UV cured			
Additional:	Epoxide Woven G Blind vias / Micro (Adjacent, Non-ad	vias /Buried Via		
	Bonded Heat Sink Copper Aluminium	s surface / sanc	lwiched	
*These features meet th	ne requirements for ac	celerated ageing v	when tested in accordance with	

*These features meet the requirements for accelerated ageing when tested in accordance with BS 6221 Part 2,14a.

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Demonstration of Impedance Control:

Board types:	Rigid double sided with plated-through holes.		BS CECC 23200-003
	Rigid Multilayer		BS CECC 23300-003
Materials:	Epoxide Woven Glass Polyimide Woven Glass		
Board Size:	458 mm x 372 mm Maxir	num	
No. of Layers:	24 Maximum		
Conductors:	Minimum Width Minimum Spacing	100 μm ±50 μι 100 μm ±50 μι	
Impedance Demonstrated:	50 Ω to 110 Ω		
Declared Tolerance:	$\pm 7~\%$ to $\pm 25~\%$ (as defined in the Customer Detail Specification)		
Geometries:	Stripline Microstrip Differential Impedance		

This supplement describes the manufacturer's capability to produce printed boards which feature control of characteristic impedance, as described in clause 4.1.4 of BS CECC 23300-003. *Not all features can be achieved in combination.*

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IECQ-C Schedule of Scope Rev. 01