

Capability Approval Certificate

Certificate Number: E039/CA **Issue Number:** 8 **Date:** 23 May 2008 **Page 1 of 3**

Approved to Generic/Sectional Specification(s):

Number:	BS EN 123000 : 1992	BS EN 123100 : 1992
	BS EN 123200 : 1992	BS EN 123300 : 1992
	BS EN 123400 : 1992	BS EN 123500 : 1992
	BS EN 123600 : 1997	Assessment Level: C

Description of the Technology:

Rigid Printed Boards:

Multi-layer
Double-sided with
plated-through holes
Single and double-sided
with plain holes

Flexible Printed Boards

Multi-layer
Double-sided with through-
connections
Single and double-sided
without through-connections

Flex-rigid Printed Boards

Multi-layer with through connections

Manufactured by:

Graphic Plc

Down End
Lords Meadow Industrial Estate
Crediton
Devon
EX17 1HN

Manufacturer's Approval Number: M1014 IECQ

Factory Code: GPC

Place(s) of Manufacture: Crediton, Devon

Test Report(s):

9801

Issue:

1

Date:

August 1998

Capability Manual:

GE/CM

Issue:

15

Date of acceptance by CB:

May 2008

For and on behalf of BSI



IECQ Certification Body

Granting the right to use the Mark or Declaration of Conformity



NOTE: This certificate is valid only in conjunction with the approval document(s).
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Capability Approval Abstract

Description of Capability Approval
(As recorded on the IECQ on-line database www.iecq.org)

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Manufacturer: Graphic Plc

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-layer	BS CECC 23300-003 CECC 23300-002 CECC 23400-003
	Flexible single and double sided without-through connections	CECC 23500-003
	Flexible double-sided with through-connections	BS CECC 23600-801
	Flex-rigid multi-layer with through-connections	

Base Materials: Epoxide Woven Glass
Polyimide Film

Board Size:	546 mm x 457 mm	Maximum	BS EN 123 300
	500 mm x 300 mm	Maximum	BS EN 123 100, BS EN 123 200
	500 mm x 300 mm	Maximum	BS EN 123 400, BS EN 123 500
	408 mm x 305 mm	Maximum	BS EN 123 600

Conductors: Minimum Width: 200 μ m \pm 50 μ m
Minimum Spacing: 200 μ m \pm 50 μ m

Number of Layers: 24 Maximum

Plated-through hole diameter: 0.40 mm Minimum finished for component mounting
0.55 mm Minimum drilled via hole

Aspect ratio: 5 : 1 Maximum

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Manufacturer: Graphic Plc

Finishes:

- * Hot Air Solder Levelling
- 2.5 µm Gold on Copper Edge Contacts
- 2.5 µm Gold on Nickel Edge Contacts
- Liquid Photopolymer Solder Resist
- Legend; Thermally Cured

Additional:

Bonded Heatsinks:	Anodised Aluminium
	Nickel Plated Copper
Blind and Buried Via Holes	

* These finishes meet the solderability requirements of IEC 60326-2; Test Methods 14b and 20a.

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