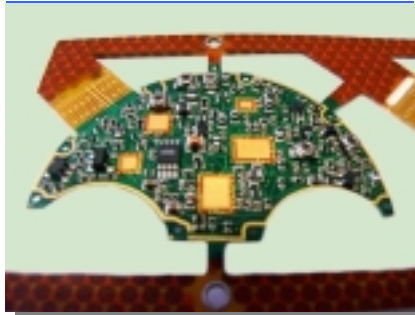




FLEXIBLE CIRCUITS

■ Improved Design :

- Specific application
- Single orientation
- Wiring integration
- Reduced conductor stress
- Improved interface connection



■ Cost savings :

- One global partner
- Interconnections
- Flexible wiring

■ Space saving :

- Size & weight reduction
- High density interconnect
- Reverse bared & Floating lead
- Less components

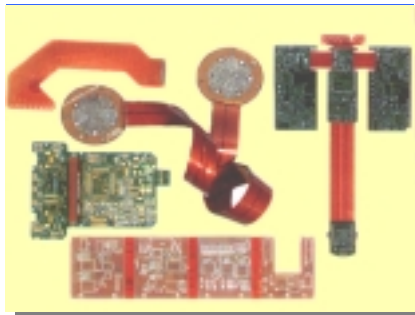


■ High reliability :

- Less stress
- Built in strain relief
- Abrasion resistant
- Ease of removal

■ Flex rigid :

- Mass soldering techniques
- Association with traditional rigid techniques



■ Automated process :

- Standard, Flex-rigid, Multilayer
- Dedicated fine pitch etching line

■ Flexural :

- Single fold or crease
- to very high frequency dynamics

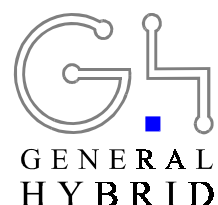


■ Quality :

- ISO 9002 (EN 29002)
- BS EN 123400 & EN 123500
- UL 94 Rated
- Customer satisfaction survey

GENERAL HYBRID

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■ Flexible material

Polyimide as standard
 Thickness 25 μ , 50 μ , 75 μ , 125 μ
 Layer up to 8 layers
 Adhesiveless laminates available

■ Conductors

Standard track / gap	80/80 μ m
Fine line	50/50 μ m
Ultra fine line	25/25 μ m

■ Finishes

Copper, Entech
 Tinlead (H.A.S.L)
 Immersion tin
 Gold

■ Holes

Diameter min	0,25mm
Diameter min PTH	0,2mm
Copper thickness	5 μ - 35 μ

■ Coverlay

Polyimide thickness	12 μ to 125 μ
Adhesive thickness	25 μ , 50 μ
Wet photo-imageable thickness	20 μ

■ Panel size

Standard	18'' x 12''
Up to (on request)	24'' x 18''

■ Front end

Full design and layout capability
 Electronic data input
 D.R.C.
 Gerber, Emma, HPGL, ...

■ Assembly

All SMD including fine pitch
 Vapor phase reflow
 Automatic die assembly
 Automatic wire bonding
 Flip-Chip assembly
 Connectors

■ Test

Simultaneous double sided
 Custom fixture and function testing
 100% visual inspection

■ Standards

BS EN
 UL 94

■ Identification

Reference logo date-code
 Serial numbering
 Marking upon request