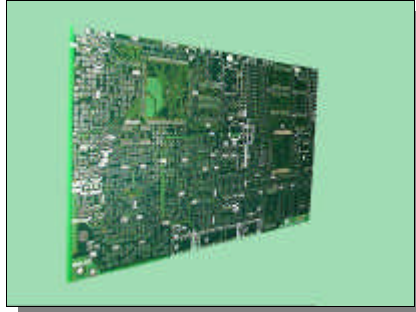




PRINTED CIRCUIT BOARD

■ Solutions for your PCB

FR2, FR3, FR4, FR5
CEM1, CEM3, IMS
1 to 16 layers



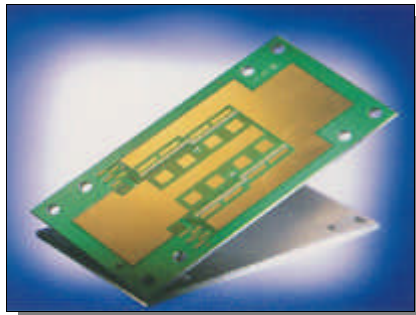
■ High frequency

Impedance control
Layers adaptation



■ High performance multilayer

X Ray superposition
Optical inspection
Plasma cleaning



■ Finish

HAL SnPb
Electroless NiAu
NiAu connectors



■ High density interconnection

Fine line circuits
Laser drilling

■ Prototypes to series

Dedicated prototype line
Medium and high volume
Price competitive

■ Investments level

IMS line 00
Braun oxide 99
Fine etching line 97
Vacuum press. 95
Black hole direct metal 95

■ Quality :

ISO 9002
UL certified
Total Quality System

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RIGID BOARDS

TECHNICAL DATA

■ Material

FR2, FR3, FR4, FR5, CEM1, CEM3
IMS Thermal Clad Bergquist
Thickness 0,2 to 3,0 mm
Layers 1 to 16

■ Conductors

Track / gap 100/100 μm
HDI 80/80 μm

■ Finishes

Copper with organic treatment
Selective SnPb HAL
NiAu Electroless
NiAu connectors
Carbon

■ Drilling

Min drill holes 0,3 mm
Min drill holes HDI 0,2 mm
Laser drill 0,1 mm

■ Solder masks

2 components lacquers in all colours
Photosensitive mask
Photosensitive lacquers

■ Production panels

Standard 350 x 500 mm
Maxi 450 x 650 mm

■ Front end

Electronic data input
From unit to panels
Gerber, Extand Gerber, Emma HPGL

■ Test

Comparison with Gerber datas
Simultaneous double sided SMD
100 % visual inspection

■ Standards

ISO 9002
ISO 14000
UL approval