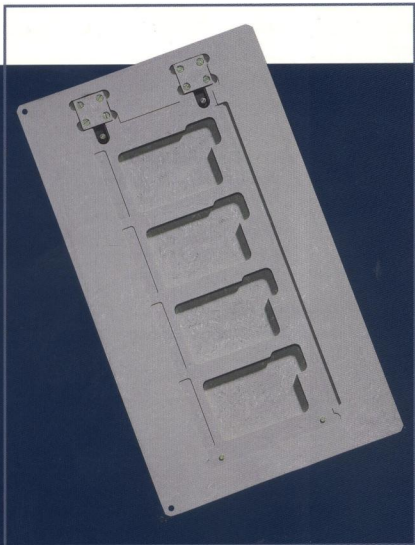


Process Carriers

Surface Mount Process Carriers

Designed to fixture a circuit board through the entire assembly process including screen print, pick & place, reflow and wash.

- Eliminates unwanted handling of the PCB by operators
- Made of composite materials that remain stable with repeated passes through the hostile production environment
- Many clamping methods available such as spring loaded clamps, side force clamps, extremely thin stainless steel clamps and spring supported location pins
- Keeps boards rigid through the entire process, ensuring solder joint integrity



EMC Global Technologies, Inc.

Corporate Headquarters:

4059 Skyron Drive
Doylestown, PA 18902
Phone: (215) 340-0650
Fax: (215) 340-1737

www.emcgti.com

Designing and Building Tomorrow's Technology Today!

PROCESS CARRIER DESIGN SHEET

Date: _____

Engineer: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Fax: _____

E-mail: _____

Process Details

For what processes will the fixture be used?:

- Screen Print Pick & Place Reflow
 Dispense Wave Solder Auto Insertion
 Cleaning Other _____

Is process (check): In-line Stand-alone Both

Is printer using vacuum? Y N N/A

Does Pick & Place use vision? Y N

Machine Specifications

List the machines and model numbers used in your process:

Machine

Model

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Information Provided:

Gerber files and PCB fab drawing: Y N

Sample PCB and fab drawing: Y N

Sample PCB only: Y N

Reference Job Number: _____

PCB Specifications

Which side of the PCB is being processed?

Top Bottom Both

If the PCB is double-sided, please clearly indicate what side is populated first by referencing a feature on the PCB

If double-sided:

Clear for components

Mask, what is Max. comp. height? _____

PCB #: _____

PCB Length: _____

PCB Width: _____

PCB Thickness: _____

Fixture Specifications

Quantity Desired: _____

Date Required: _____

Length: _____ Width: _____ --OR EMC to decide

Number of Locations/Images: _____

Are PCB hold downs needed?: Y N

If yes, what is the preferred type?

Disc clamps Side load Other _____

Material (Please check one) CDM Black ECP Pro
Durapol OS Durastone Other: _____

How is the fixture to be located by the machine?

- Tooling Pins
 Edge of fixture (Fiducials in PCB)
 Fiducials in pallet

How is the PCB to be located by the fixture?

- Tooling Pins
 Edge of PCB

Engraving/Stamping Required: Y N

If yes: _____



EMC Global Technologies

4059 Skyron Drive
Doylestown, PA 18902

Phone: 215-340-0650

Fax: 215-340-1737

www.emcgti.com