

MLF® Test Board and Kits

REVISED [Rev. A]

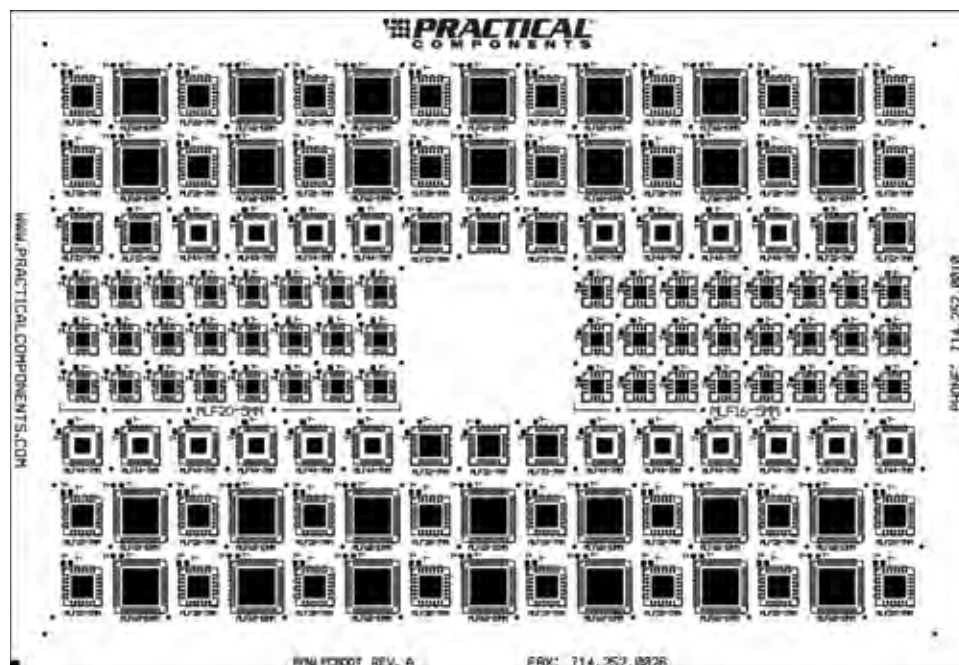
This new PCB007 *MicroLeadFrame*® (MLF®) Test Board is two test boards in one. The top side of the board consists of daisy-chained MLF® pads. Amkor's new MLF® packages are a near CSP plastic encapsulated package with a copper leadframe substrate. MLF® packages have perimeter pads on the bottom of the package. Thermal enhancement is provided by Amkor's ExposedPad™ technology.

The test board front side has land patterns for MLF® package sizes in varying I/O counts. Lead pitches of these include 0.5mm, 0.65mm and 0.8mm. The MLF® side of the PCB007 board is designed to help customers become more familiar with the placement and process characteristics of MLF® packages. The wide assortment of pad sizes and pitches provide a comprehensive overview of MLF® packages.

Daisy-chain patterns on the PCB007 board complement the patterns on the components, allowing continuity to be tested (except for TSOP's and T/LQFP120).

The bottom side of the PCB007 Test Board provides a variety of SMD component types. The bottom of the board has T/LQFP component with 0.4mm pitch, pads for the PBGA256 component with a 1.00mm pitch and two TSOP Type II components with 0.8mm pitch. Board also has new DualRowMLF156 component with 0.5mm pitch. Standard board finish for the PCB007 is Immersion Silver. Other finishes are available upon request. Standard board thickness is 0.062". Customers always have the option of mixing and matching components to suit their requirements.

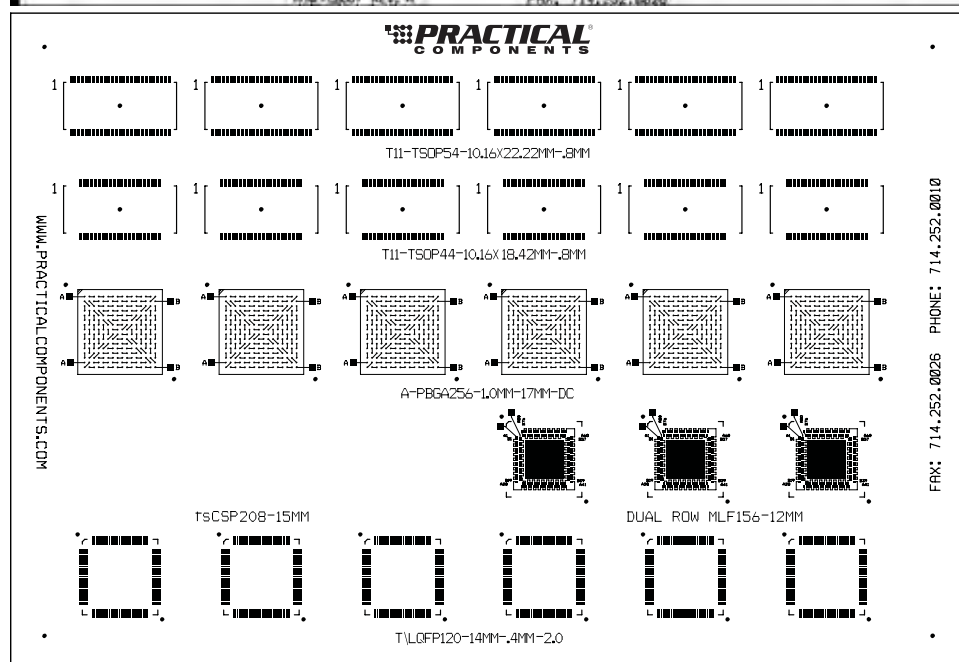
PCB007 MLF Test Board



Available as a

Single Pack Kit

Top view



**Software and
Data Files Included
With All Kits!**

Bottom view

Board size: 8" x 5.5", .062" thick.

MLF® Test Board and Kits

PC007 MLF® Kits

Part Description	Quantity Per 1 Kit	Quantity Per 10 Kits	Quantity Per 25 Kits	Quantity Per 50 Kits
Kit Order Number (Top and Bottom):	PC007K-0-01	PC007K-0-10	PC007K-0-25	PC007K-0-50
A-MLF16-5mm-.8mm-DC	24	240	600	1,200
A-MLF20-5mm-.65mm-DC	24	240	600	1,200
A-MLF28-7mm-.8mm-DC	32	320	800	1,600
A-MLF32-7mm-.65mm-DC	10	100	250	500
A-MLF44-7mm-.5mm-DC	20	200	250	1,000
A-MLF68-10mm-.5mm-DC	28	280	700	1,400
A-T/LQFP120-14mm-.4mm-2.0	6	60	150	300
A-DualRowMLF156-12mm-.5mm-DC	3	30	75	150
PBGA256-1.0mm-17mm-DC	6	60	150	300
T11-TSOP44-10.16x18.42mm-.8mm	6	60	150	300
T11-TSOP54-10.16x22.22mm-.8mm	6	60	150	300
PCB007 Test Board	1	10	25	50

Part Description	Quantity Per 1 Kit	Quantity Per 10 Kits	Quantity Per 25 Kits	Quantity Per 50 Kits
Kit Order Number (Bottom Only):	PC007B-0-01	PC007B-0-10	PC007B-0-25	PC007B-0-50
A-T/LQFP120-14mm-.4mm-2.0	6	60	150	300
A-DualRowMLF156-12mm-.5mm-DC	3	30	75	150
PBGA256-1.0mm-17mm-DC	6	60	150	300
T11-TSOP44-10.16x18.42mm-.8mm	6	60	150	300
T11-TSOP54-10.16x22.22mm-.8mm	6	60	150	300
PCB007 Test Board	1	10	25	50

Part Description	Quantity Per 1 Kit	Quantity Per 10 Kits	Quantity Per 25 Kits	Quantity Per 50 Kits
Kit Order Number (Top Only):	PC007T-0-01	PC007T-0-10	PC007T-0-25	PC007T-0-50
A-MLF16-5mm-.8mm-DC	24	240	600	1,200
A-MLF20-5mm-.65mm-DC	24	240	600	1,200
A-MLF28-7mm-.8mm-DC	32	320	800	1,600
A-MLF32-7mm-.65mm-DC	10	100	250	500
A-MLF44-7mm-.5mm-DC	20	200	250	1,000
A-MLF68-10mm-.5mm-DC	28	280	700	1,400
PCB007 Test Board	1	10	25	50

Notes

- Kit quantities are subject to change.
- Mix and match components and quantities to create a custom kit. Please contact your sales representative for details.
- Components supplied in kits (except for TSOP's and T/LQFP120) have pairs of leads shorted together in a daisy-chain pattern that result in a line of continuity when combined with the shorted pairs of pads on the board. Continuity test pads on the board allow the end user to verify electrical connections at solder joints and to identify electrical opens.
- Gerber and X, Y Theta data included at no charge.
- Digitized files provided by Aegis Software included at no charge.
- PBGA is available with SAC305 or SAC405 Lead-Free solder ball alloy's.
- Board finishes available are:
Immersion Silver, ENIG, Bare Copper, OSP and HASL.

Lead-Free Part Description List

Part Description

A-MLF16-5mm-.8mm-DC-Sn
 A-MLF20-5mm-.65mm-DC-Sn
 A-MLF28-7mm-.8mm-DC-Sn
 A-MLF32-7mm-.65mm-DC-Sn
 A-MLF44-7mm-.5mm-DC-Sn
 A-MLF68-10mm-.5mm-DC-Sn
 A-DualRowMLF156-12mm-.5mm-DC-Sn
 A-T/LQFP120-14mm-.4mm-2.0-Sn
 PBGA256-1.0mm-17mm-DC-SAC305
 T11-TSOP44-10.16x18.42mm-.8mm-Sn
 T11-TSOP54-10.16x22.22mm-.8mm-Sn

