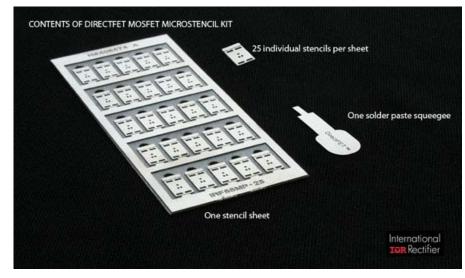


## **DirectFET® MOSFET MicroStencils**

DirectFET MOSFET MicroStencil Kits are designed to simplify the reworking process in laboratory environments. The following  $\underline{video}$  provides step-by-step instructions on how to utilize the MicroStencils for reworking DirectFET MOSFETs.

Step-by-Step DirectFET® Rework With Microscreen PLAY VIDEO





MicroStencil Kit Part Numbers

These kits may be ordered from International Rectifier by selecting the kit number that matches your DirectFET outline in the table below

Kit Numbers	DirectFET <sup>®</sup> MOSFET Outline	Stencils/Kit	Squeegees/Kit
IRF66LT-25	LT	25	1
IRF66MA-25	MA	25	1
IRF66MN-25	MN	25	1
<u>IRF66MP-25</u>	MP	25	1
<u>IRF66MQ-25</u>	MQ	25	1
IRF66MT-25	MT	25	1
IRF66MU-25	MU	25	1
IRF66MX-25	MX	25	1
IRF66MZ-25	MZ	25	1
IRF66S1-25	S1	25	1
<u>IRF66SH-25</u>	SH	25	1
IRF66SJ-25	SJ	25	1
<u>IRF66SQ-25</u>	SQ	25	1
IRF66ST-25	ST	25	1
IRF67MA-25	MA	25	1

Microstencils are intended for board development in the lab.

IR's proprietary DirectFET®; technology is covered by US Patent 6,624,522 and other US and foreign pending patent applications.



## DISCOVERY CENTER

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## DirectFET MOSFET OVERVIEW Introduction

High Frequency Operation Increasing Power Density Reworking Process Board Layout Heatsinking Mechanical Features Board Mount Guidelines Reliability

## **BOARD MOUNT GUIDELINES**

Board Mount Fundamentals **Checking Pad Outlines** Stencil PCB Design MicroStencil Kits Reflowing Soldering Considerations Device Tilt & Tombstoning Solderballing Voiding X-ray Inspection Solder Paste

Cleaning the DirectFET Device On-Board Placement

**Underfill and Coats** 

International Sites: | Chinese 简体中文 | Korean 한국어 | Japanese 日本語 |

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