

# ASDAK+

## Augmented Switching™ Technology Accelerated Development Kit Digital Programmable Gate Drivers

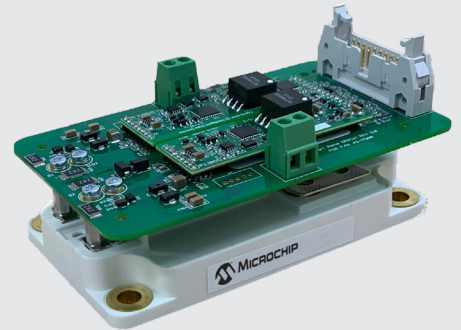
### Unlock the Full Potential of SiC

Microchip's Accelerated Silicon Carbide (SiC) Development Kit includes the hardware and software elements required to rapidly optimize the performance of the Microchip family of SP6LI Low Inductance SiC modules and systems.

This new tool enables designers to adjust system performance through software upgrades using the AgileSwitch® Intelligent Configuration Tool (ICT) and a device programmer. No soldering required.

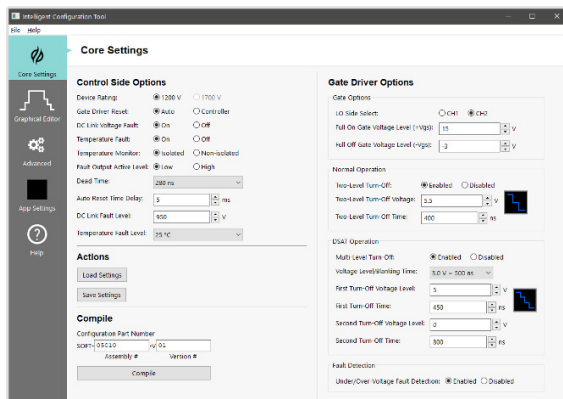
The ICT offers configuration of different drive parameters including on/off gate voltages, DC link and temperature fault levels and Augmented Switching™ technology profiles.

Small changes to the Augmented Switching technology profiles can yield dramatic improvements in switching efficiency, overshoot, ringing and short-circuit protection.



### Intelligent Configuration Tool (ICT)

#### Optimize With a Keystroke



Available for download at [www.AgileSwitch.com/program.html](http://www.AgileSwitch.com/program.html)

### Each Kit Includes

- 1x – SP6LI Low Inductance SiC Power Module
- 1x – AgileSwitch 2ASC Series Core
- 1x – Module Adapter Board
- 1x – ASBK-014 Device Programmer Kit
- 1x – ICT Software



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### Kit Part Numbers

#### ASDAK-MSCSM70AM025CT6LIAG-01

- 1x MSCSM70AM025CT6LIAG – 700V SiC Module
- 1x AgileSwitch 2ASC-12A1HP – 1200V Core
- 1x SP6CA1 – 1200V SP6LI Module Adapter

#### ASDAK-MSCSM120AM042CT6LIAG-01

- 1x MSCSM120AM042CT6LIAG – 1200V SiC Module
- 1x AgileSwitch 2ASC-12A1HP – 1200V Core
- 1x SP6CA1 – 1200V SP6LI Module Adapter

#### ASDAK-MSCSM120AM03CT6LIAG-01

- 1x MSCSM120AM03CT6LIAG – 1200V SiC Module
- 1x AgileSwitch 2ASC-12A1HP – 1200V Core
- 1x SP6CA1 – 1200V SP6LI Module Adapter

#### ASDAK-MSCSM120AM02CT6LIAG-01

- 1x MSCSM120AM02CT6LIAG – 1200V SiC Module
- 1x AgileSwitch 2ASC-12A1HP – 1200V Core
- 1x SP6CA1 – 1200V SP6LI Module Adapter

SiC module included

Most individual components may be ordered separately  
Programming kit may differ from shown