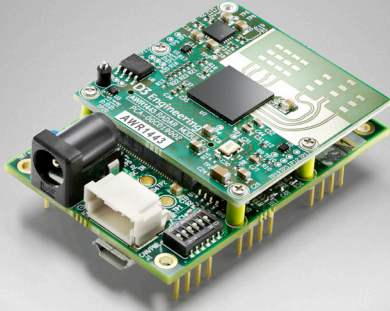


DESIGNCORE™ AUTOMOTIVE RADAR STARTER KIT



D3 Radar Modules with TI CMOS 76-81GHz radar technology are available in a benchtop Starter Kit for automotive applications.

Fast evaluation of D3 Radar Modules with Texas Instruments mmWave radar technology

HIGH PERFORMANCE 76-81GHZ RADAR FOR VEHICLE CONTROL AND SAFETY APPLICATIONS

The DesignCore™ Automotive Radar Starter Kit accelerates development of radar-based vehicle control and safety features.

The Starter Kit includes a small form factor D3 Radar Module mounted on a baseboard. The baseboard provides easy interface to a PC or embedded platform for test and evaluation. It includes application software and demonstration programs for common automotive radar applications.

Beyond the Starter Kit, D3 Engineering supports automotive customers with embedded system development for a wide range of ADAS and other automotive applications. We develop prototypes and demonstration systems tailored to your requirements. We can deliver production radar modules or transfer the Reference Designs to you for volume production.



D3 Engineering is a platinum partner in the TI Design Network and a Premier Ecosystem Partner for automotive systems development.

FEATURES

Fast Evaluation of D3 Radar Modules

Connectivity:

USB (for Programming Module)

SPI (Processed Data Output)

SPI (Radar Command/Control)

CAN (Processed Data Output)

CAN (Radar Command/Control)

Other Serial Communications Available

RADAR MODULES SUPPORTED

D3 Radar Module D3RM-A14

ADAS APPLICATIONS

Adaptive Cruise Control (ACC)

Automatic Emergency Braking

Blind Spot Detection (BSD)

Pedestrian/Bicyclist Detection

Lane Change Assist (LCA)

Rear Collision Avoidance (RCA)

Proximity Warning

Parking Assist

Driver Monitoring

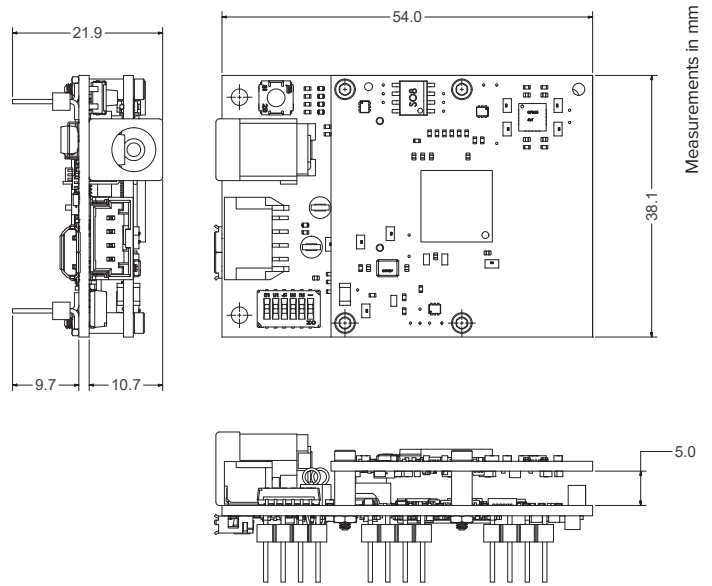
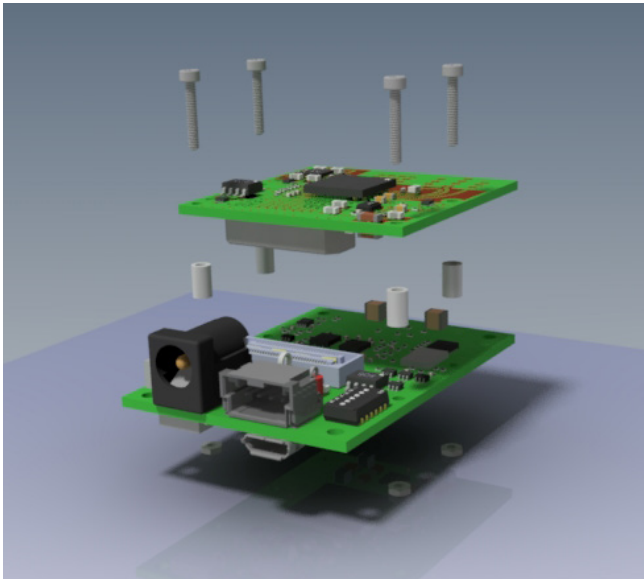
KIT CONTENTS

D3 Radar Module with Texas Instruments 76-81GHz mmWave CMOS radar technology

Baseboard with interfaces for PC and embedded testing

Demonstration software and PC drivers

PC cable and power supply



D3 ENGINEERING RADAR TEAM EXPERTISE

D3 Engineering provides Starter Kits, Reference Designs, custom development services, and production modules for embedded radar systems. We have the dedicated staff and expertise including:

- Dedicated radar test lab
- Extensive experience in >60GHz RF technology
- Hardware and antenna design
- Software, firmware, and algorithm development
- Integration and fusion of other sensor modalities (visible, lidar, IR)
- Algorithm optimization
- Regulatory and certification
- Prototype, pilot, and ODM production

ACCELERATE TIME TO MARKET

The Radar Starter Kit enables rapid development of your proof-of-concept prototype. D3 Engineering supports additional radar system development with our proven DesignCore™ Reference Designs and our full-cycle embedded system design services. Our expertise with radar, image sensors, optics, video analytics, and imaging system design will help you get to market faster, while reducing the risks and costs of new product development.

CALL: 1-585-429-1550

EMAIL: sales@D3Engineering.com

VISIT: D3Engineering.com/Solutions/Autonomous-Systems/Auto