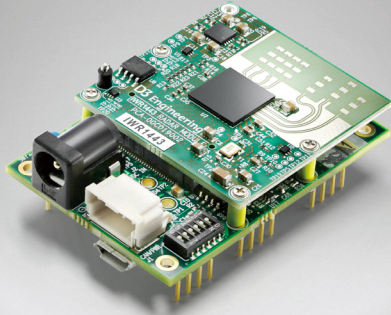


DESIGNCORE[®]

INDUSTRIAL mmWAVE RADAR SENSOR STARTER KIT



D3 modules with TI CMOS 76-81GHz radar-on-a-chip technology are available in a benchtop Starter Kit for industrial applications.

Fast evaluation of D3 modules with Texas Instruments mmWave technology

HIGH PERFORMANCE 76-81GHZ mmWAVE SENSOR FOR INDUSTRIAL SENSING AND AUTOMATION APPLICATIONS

The DesignCore[®] Industrial mmWave Radar Sensor Starter Kit accelerates development of industrial, navigation, sensing, and automation applications.

The Starter Kit includes a small form factor D3 mmWave 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 industrial radar applications.

Beyond the Starter Kit, D3 Engineering supports industrial OEM customers with embedded system development for a wide range of industrial sensing applications. We develop prototypes and demonstration systems tailored to your requirements. We can deliver production 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 radar and vision systems development.

FEATURES

Fast Evaluation of D3 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

mmWAVE MODULES SUPPORTED

D3 mmWave Module D3RM-I14

APPLICATIONS

Autonomous Industrial Vehicles and Robotics

Materials Handling

Factory Automation

Building Automation

Drones and Surveillance

Traffic Monitoring

Industrial Sensors for Precision Distance, Angle, and Velocity Measurement

Level Probing and Vibration Monitoring

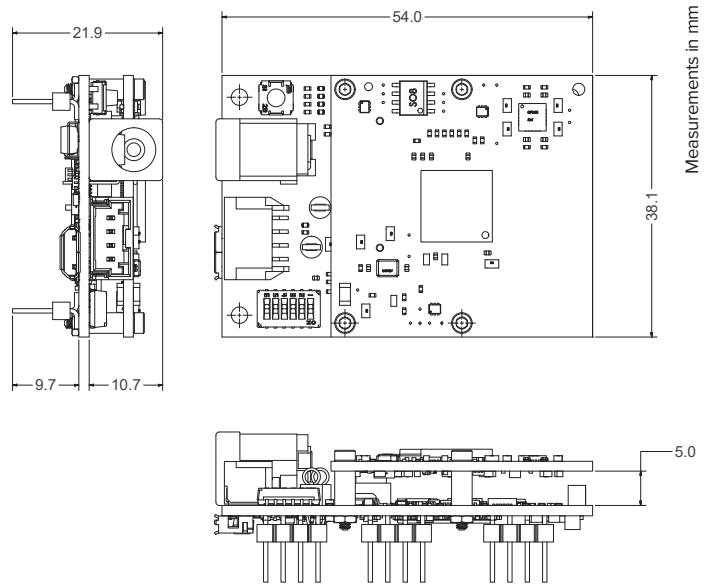
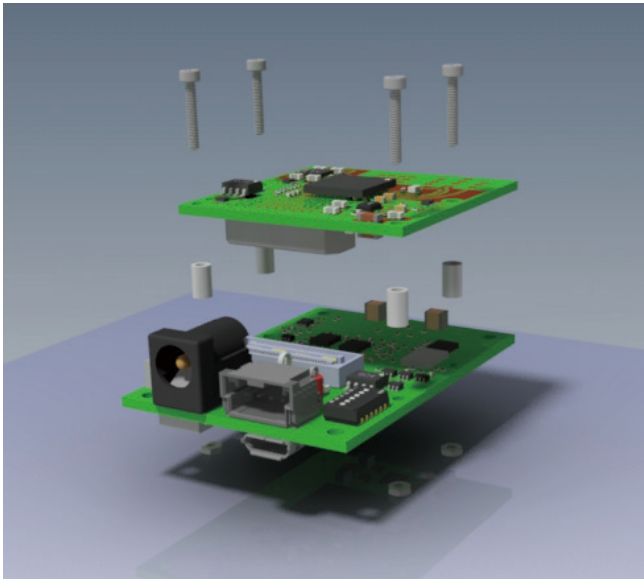
KIT CONTENTS

D3 mmWave 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 mmWave 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/Industrial