VIRTUAL SAMPLE KIT



SMART TRANSPORTATION SOLUTIONS: CONNECTING EQUIPMENT TO SMART FARMING SYSTEMS

This virtual sample kit provides a curated selection of antennas, connectors, and interconnect solutions commonly used in connected agricultural equipment.

INTERNAL/EMBEDDED ANTENNAS



ANT-DB1-NSP250-T

Wi-Fi Dual-Band 2.4 and 5 GHz, Surface Mount



L9000015-01

2.4 GHz, Surface Mount antenna compatible with Bluetooth technology



ANT-W63RPC1-UFL-100

Wi-Fi 6E/7/8 Tri-Band 2.4, 5 and 6 GHz, Dipole, Rigid Adhesive Mount



2108921-1

5G, Cellular, Non-Terrestrial Network Satellite Communications (NTN SatCom) 617–7125 MHz, Flexible Adhesive Mount



ANT-LTE-SP610-T

LTE, LTE-M, Narrowband Internet of Things (NB-IoT) 698–2690 MHz, Surface Mount



ANT-LTE-CER-T

LTE, LTE-M, NB-IoT 698–2700 MHz, Surface Mount



2108844-1

Global Navigation Satellite System (GNSS) L1+G1 & L2+L5+E5b+G2, Surface Mount



ANT-GNFPC-SAHL1100UF

GNSS L1, Flexible Adhesive Mount



L000642-01

Near Field Communication (NFC) 13.56 MHz, Flexible Adhesive Mount



L001016-01

Ultra-Wideband (UWB) Channel 9 & 10, Surface Mount

EXTERNAL ANTENNAS



L000321-01

Multi-Port 1x 4G/5G, 1x Wi-Fi 1x GNSS, External Mount



L000322-02

Multi-Port 2x 4G/5G, 1x GNSS, External Mount



FTRA6171M5PB-001

5G Phantom antenna, 4G/5G, 617–7125 MHz, External Mount



L000795-15

5G, Cellular, 617–4990 MHz, Remote Adhesive Mount



ANT-5GW-MMG1-SMA-1

5G, Cellular, 617–4200 MHz, Magnetic External Mount



ANT-DB1-WRT-MON-RPS

Wi-Fi Dual-Band 2.4 and 5 GHz, External Mount



L000434-04

FP40 Ultra Multi-Port 4x 4G/5G, 2x Wi-Fi, 1x GNSS, 1x antenna compatible with Bluetooth technology, External Mount Vehicular



ANT-5GW-SPS1-1

5G, Cellular, 410–470 MHz and 617–6000 MHz, External Mount



L000423-07

FP20 Auto Multi-Port 2x 4G/5G, 2x Wi-Fi, 1x GNSS, 1x Whip (VHF/ UHF/7-800 MHz), External Mount Vehicular



VFQ69383B21JN-518L

Gar Multi-Port Shark-Fin Antenna, 2x 4G/5G, 1x Wi-Fi, 1x GNSS, External Mount Vehicular

Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

RF CONNECTORS



CONMMCX001-SMD

MMCX, Female Socket, 50 Ohm, 6 GHz



CONMMCX002-SMD-T

MMCX, Female Socket, 50 Ohm, 6 GHz, Reel



CONMMCX007

MMCX, Male Pin, 50 Ohm, 6 GHz

MICRO-COAXIAL CONNECTORS & CABLE ASSEMBLIES



1909763-1

U.FL, Male Pin, 50 Ohm, 6 GHz



2334884-1

UMCC Gen 4, Male Pin



CSJ-SGFB-100-MHF4

MHF4-type (Male) to SMA (Female), 0.8 mm Cable Assembly



CSI-SGFI-200-UFFR

SMA (Female) to U.FL (Female) 1.13 mm Cable Assembly

SMA CONNECTORS



5-1814832-2

SMA Jack, Female Socket, 50 Ohm, Through-Hole



5-1814400-2

SMA Jack, Female Socket, 50 Ohm, Through-Hole, Right-Angle



CONSMA020.062-G

SMA Jack, Female, Edge-Mount, 0.062” PCB Mount



CONSMA007

SMA Plug, Male Pin, 50 Ohm, Free Hanging



CONSMA012

SMA Plug, Male Pin, 50 Ohm, Free Hanging, Right-Angle

HDMI CONNECTORS



1-1747981-2

Standard HDMI Connector



2485396-1

Standard HDMI 2.1 Connector



2013978-2

Mini HDMI Type C Connector



2494821-1

Micro HDMI Type D Connector

DISPLAYPORT CONNECTORS



2129320-3

Mini DisplayPort Receptacle Connector, 4 Row, Reversed



2498797-1

DisplayPort 2.1 Connector

USB CONNECTORS



2305018-2

USB TYPE-C
USB 3.1 Receptacle, Right Angle, SMT, IPX8



2295018-2

USB TYPE-C
USB 3.1 Receptacle, Right Angle, SMT, Splash Proof



2479774-1

USB TYPE-C
USB 2.0 Receptacle, Charge Only, Right Angle, Through-Hole



1734366-1

USB-A
USB 2.0 Receptacle, Vertical, Through-Hole



292304-1

USB-B
USB 2.0 Receptacle, Right Angle, Through-Hole



2174507-2

USB MICRO
USB 2.0 Receptacle, Right Angle, Through-Hole

WIRE-TO-BOARD CONNECTORS
AMP CT, MINI CT, MICRO CT CONNECTORS



179228-2

AMP CT
2.0 mm Crimp Type Receptacle Housing (2 Position)



292133-2

AMP CT
2.0 mm Post Header Assembly, Vertical Box Type (2 Position)



179609-1

AMP CT
2.0 mm Crimp Type Receptacle Contact



353908-6

AMP MINI CT
1.5 mm Crimp Type (6 Position) Receptacle Housing



292272-6

AMP MINI CT
1.5 mm Single Row Header Assembly (6 Position)



353907-1

AMP MINI CT
1.5 mm Crimp Type Receptacle Contact



1-2355088-0

AMP MICRO CT
1.2 mm Mating Retention Receptacle Assembly (10 Position)



1-2355091-0

AMP MICRO CT
1.2 mm Single Row Post Header Assembly, Vertical Type (10 Position)

FPC CONNECTORS



1-2328702-0

0.5 mm, Back Flip/Dual Contact (10 Pin)



2328702-4

0.5 mm, Back Flip (4 Pin)



2328702-8

0.5 mm, Back Flip (8 Pin)



1-2328724-3

0.3 mm, Front Flip (13 Pin)



2-2328724-1

0.3 mm, Front Flip (21 Pin)

TAKE THE NEXT STEP

Need System-Level Context

Refer to our companion Smart Farming Systems Solution Guide for architecture overviews, application insights, and design considerations.

Smart Farming Systems Solution Guide

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