VIRTUAL SAMPLE KIT

CONNECTIVITY SOLUTIONS FOR HUMANOID ROBOTS

As humanoid and physical AI systems evolve, growing demands for AI compute, intelligent motion, wireless communication, and compact robot architectures are creating new connectivity challenges.

TE Connectivity (TE) helps support next-generation humanoid robotic systems with miniaturized, high-performance connectivity solutions designed for AI-driven systems. Across data, power, RF, hybrid interconnects, and antennas, TE combines a broad interconnect portfolio and global manufacturing capabilities to help customers evaluate and integrate connectivity solutions throughout the design, development, and production process for evolving humanoid architectures.

This virtual sample kit presents examples of antennas, connectors, and interconnect solutions from TE's commercial portfolio that customers may evaluate as they develop humanoid robotic system architectures.

The information provided in this virtual sample kit is general in nature and presents examples from TE's commercial product portfolio for customer evaluation. System requirements will vary by application. Customers are responsible for system architecture and design, including part selection and suitability for end use.

CONTROL & COMMUNICATION

Floating Board-to-Board Module Connectors

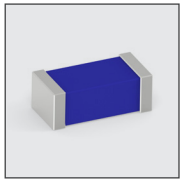
2487492-6
2487881-6

Wi-Fi Antennas

2108857-4

SoM (System on Module), including High-Density Array Mezzanine

2534040-4
2534040-5



Antennas for Devices with Bluetooth Technology

2108838-1

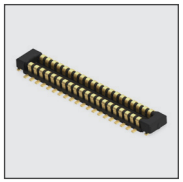
Memory Socket Connectors

2513067-1

Non-Terrestrial (NTN) Antennas

2367286-2

VISION & SENSING



Fine Pitch Board-to-Board Connectors

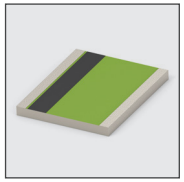
4-2363962-0

Miniature FAKRA Connectors

2474520-1

FPC Connectors

1-2495219-4



UWB Antennas

L000601-01

REPRESENTATIVE CONNECTIVITY SOLUTIONS FOR HUMANOIDS

The information provided in this virtual sample kit is general in nature and presents examples from TE's commercial product portfolio for customer evaluation. System requirements will vary by application. Customers are responsible for system architecture and design, including part selection and suitability for end use.

MOVEMENT

Fine Pitch Board-to-Board Connectors

2-2363962-4

Floating Board-to-Board Module Connectors

2487492-4
2487877-4

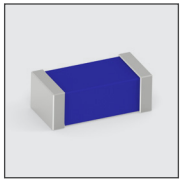
FPC Connectors

2-2328724-1

POWER DISTRIBUTION

FPC Connectors

3-2492104-0



Antennas for Devices with Bluetooth Technology

2108838-1

Explore Connectivity Solutions for Humanoid Robots

Learn more about TE's connectors, antennas, cable assemblies, and interconnect solutions to help address evolving connectivity requirements across humanoid robot architectures and physical AI systems. **Learn More** ⟶

Don't See What You're Looking For?

We're here to help. Contact TE to discuss your application and connectivity requirements. **Connect With Us** ⟶

te.com/IoT

07/26