

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.

System requirements will vary by application. Customers are responsible for system architecture and design, including part selection and suitability for end use.

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.

CONTROL & COMMUNICATION



Floating Board-to-Board Module Connectors

[2487492-6](#)
[2487881-6](#)



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

[2534040-4](#)
[2534040-5](#)



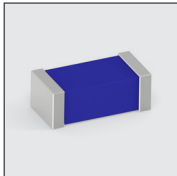
Memory Socket Connectors

[2513067-1](#)



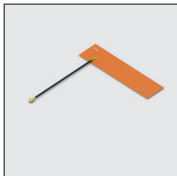
Wi-Fi Antennas

[2108857-4](#)



Antennas for Devices with Bluetooth Technology

[2108838-1](#)



Non-Terrestrial (NTN) Antennas

[2367286-2](#)

VISION & SENSING



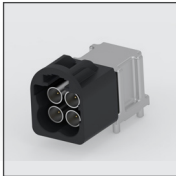
Fine Pitch Board-to-Board Connectors

[4-2363962-0](#)



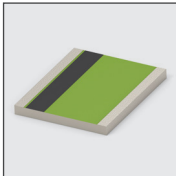
FPC Connectors

[1-2495219-4](#)



Miniature FAKRA Connectors

[2474520-1](#)



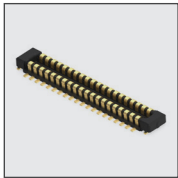
UWB Antennas

[L000601-01](#)

REPRESENTATIVE CONNECTIVITY SOLUTIONS FOR HUMANOIDS

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MOVEMENT



Fine Pitch
Board-to-Board
Connectors

[2-2363962-4](#)



Floating
Board-to-Board Module
Connectors

[2487492-4](#)
[2487877-4](#)



FPC
Connectors

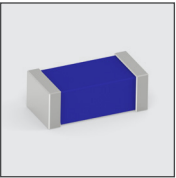
[2-2328724-1](#)

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](#)

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