CO60ETH **KIT**

Contactless Data Transmission

To meet the growing demand for more reliable connections, Radiall introduces Freespace, a new range of interconnect solutions. This range of contactless connectivity includes contactless power and data transmission solutions to meet design challenges in the industry. The Co60ETH kit is perfectly suited for test contactless data connectivity performances.

The Co60ETH kit is an RF millimeter-wave transceiver module operating at 60 GHz. The modules are plug and play contactless connectors that provide high-speed data transfer for short ranges (a few centimeters) up to 1 Gbps.

PART NUMBER SELECTION

MU230341011

ORDER NUMBER
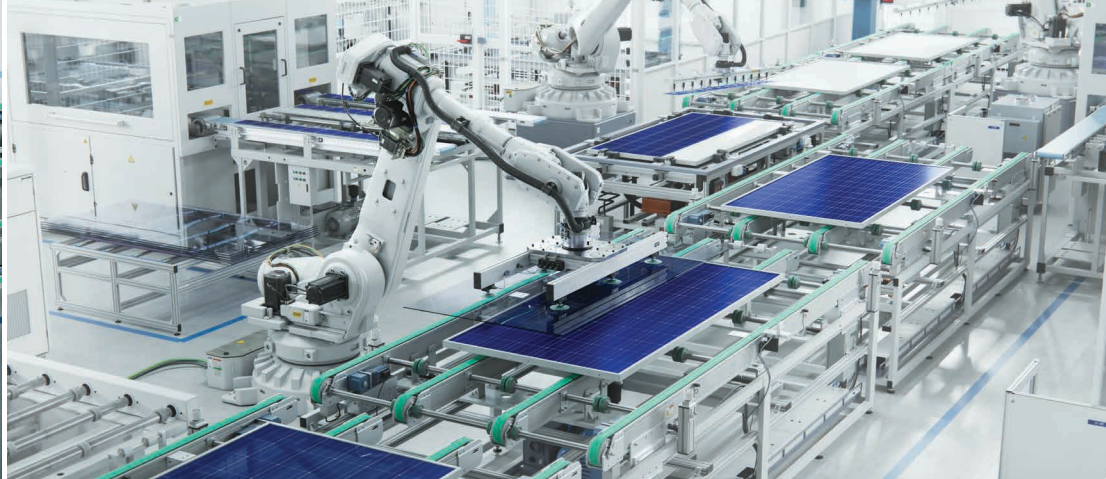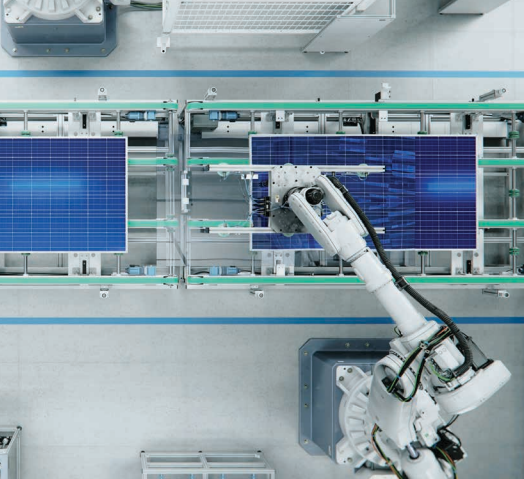**400:** Module A/B
101: Module A
102: Module B

FEATURES & BENEFITS

- Point-to-point 60 GHz RF link
- High-speed data transmission
- Full duplex horizontal transmission
- Low power consumption

APPLICATIONS

- Remove board-to-board cable connectivity
- Connect multiple electronic systems (e.g., display-to-display)
- Enable new design (waterproof, hermetic) for industrial applications

Radiall™ | **SIMPLIFICATION** *is our* **INNOVATION**

Test the benefits of connecting without the limitations of physical cables and design barriers for point-to-point communications by removing the physical link.
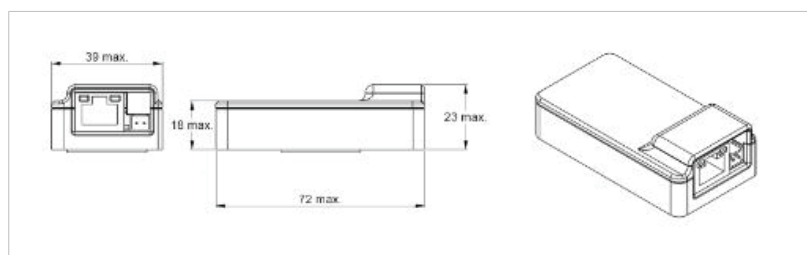
GENERAL

Technology	RF millimeter wave band
Data	Gigabit Ethernet
Data Interface	RJ45
LED RJ45 Indicator	Status indication via multi-colored LED
Air Gap	0 - 30	mm
Max. Misalignment (x)	± 2	mm

ELECTRICAL SPECIFICATIONS

Power Supply	5 - 12	VDC
Input Current [1]	50	mA
Power Max.	1.3 W @ 16 V	
Carrier Frequency	60	GHz
Power Interface	USB MICRO-B, 5 to 12V connector	1JST KLS1-2.50L-02-H

MECHANICAL SPECIFICATIONS [2]

Dimensions	23 x 72 x 39	mm	max
Weight	45	g	max
Housing Materials	Similar ABS Grey		

ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temperature	0 to +70 °C
Storage Temperature	-20 to +80 °C
Compliance	FCC, CE

Note
1. Power supply is 12V and Ethernet is active
2. Module (A) & Module (B) have same dimensions