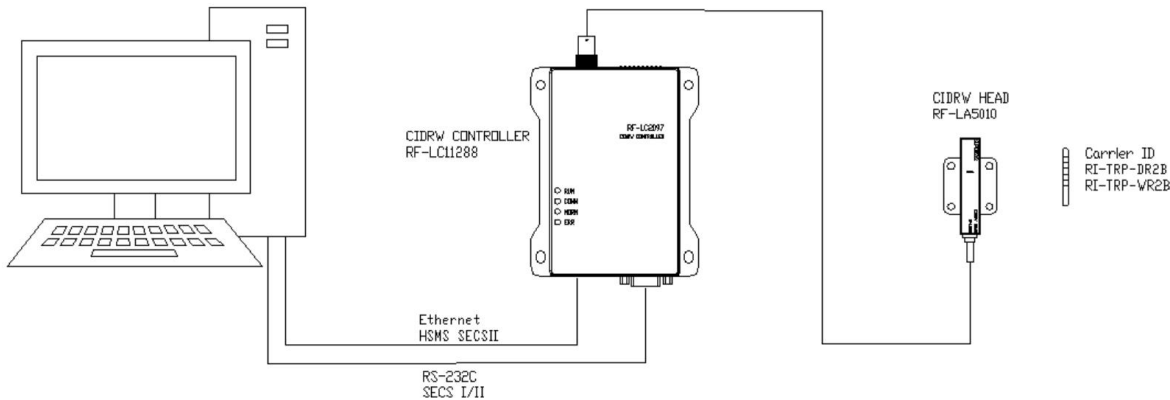


CIDRW System



CIDRW System An RFID product for semiconductor applications that consists of two parts: a CIDRW controller and a CIDRW read head. The system uses 134.2K frequency, supports ISO 11784, ISO 11785 protocols, and supports RI-TRP-DR2B and RI-TRP-WR2B RF tags manufactured by Texas Instruments (TI). The system supports RS232, RS485 and Ethernet communication, SECS protocol and MODBUS protocol, applicable to SEMI E4, E5, E37, E99 standards.



Product Parameter:

CIDRW controller:

specification parameter	Product model	MT-RF-LC12097
	Working frequency	134.2Khz
	Work pattern	HDX
	Wireless protocol	ISO 11784、ISO 11785
	Supply voltage	9~30VDC
	Average current	<0.1A@24VDC
	Indicator light	4 LED indicator light
	Number of antenna ports	One
	Antenna interfacetype	BNC Female head
	Communication interface	Ethernet, RS-485, RS-232

	Communication protocol	SECS, MODBUS TCP, MODBUS RTU
Physical parameter	Boundary dimension	120*97*27.5mm
	Fixture type	4 M5threaded hole
	Sheating material	Aluminium alloy
	Shell color	Gray
Application environment	Operating temperature	-25℃ ~ +70℃
	Storage temperature	-40℃ ~ +85℃
	Humidity	5% ~ 95%RH (without condensation)
	Waterproof and dustproof grade	IP20, EN 60529
	Vibration resistance	2 mm (f= 5...29.5 Hz) , EN 60068-2-6 7 gn (f= 29.5...150 Hz) , EN 60068-2-6
	Electrostatic discharge immunity ESD	IEC 61000-4-2
Test and certification	RoHSdirective	2011/65/EU, 2015/863/EU

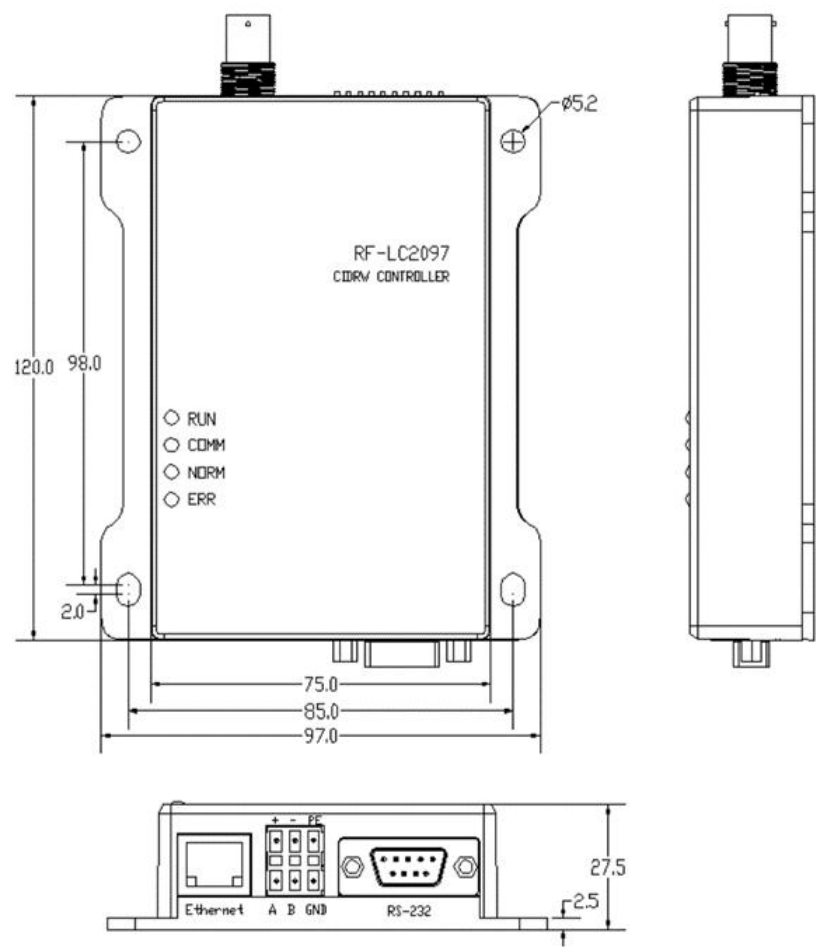
CIDRW sensing head:

Specification parameter	Product model	MT-RF- LA5010
	Working frequency	134.2Khz
	Antenna interface type	BNC male connector
	Cable type	Coaxial line
	Cable length	2Meters
	Boundary dimension	50*28*10mm
	Fixture type	4 M3threaded hole
	Sheating material	PC+ABS
	Shell color	Black
Application environment	Operating temperature	-25℃ ~ +70℃
	Storage temperature	-25℃ ~ +85℃
	Humidity	5% ~ 95%RH (Without condensation)

	Waterproof and dustproof grade	IP67, EN 60529
	Vibration resistance	2 mm (f= 5...29.5 Hz) , EN 60068-2-6 7 gn (f= 29.5...150 Hz) , EN 60068-2-6
	RoHSdirective	2011/65/EU, 2015/863/EU

Product size drawing:

CIDRW controller:



CIDRW sensing head

