Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

RJ45-ECS
Ethernet Connector System

Laird
TECHNOLOGIES®

Innovative **Technology**
for a **Connected** World

* No Relief Version
Shown Here

ETHERNET CONNECTOR SYSTEM

The patented RJ45-ECS Ethernet connector system, available exclusively from Laird Technologies, is a field replaceable outdoor rated and shielded Ethernet connection system for high speed 10BaseT, 100BaseT and 1000BaseT networks. The system features a shielded RJ45 receptacle mounted in a UV protected housing and a mating cable gland which passes an RJ45 connector and seals the cable to IP67 requirements. The system provides for quick and easy disconnect and reconnect of equipment. Because of its many unique design features and low cost, the RJ45-ECS is a universal solution for many industries where a sealed and waterproof, yet removable, Ethernet connection is required. These include outdoor applications such as wireless equipment or video surveillance equipment, and indoor applications such as equipment used in factory automation or harsh industrial processes.

RJ45 connectors are not designed for high reliability in the presence of moisture, dust, or corrosive elements. For this reason, the IP67 sealing ability of the RJ45-ECS provides a reliable connection, even in very harsh environments, for many years of trouble free service. The shielded nature of the Cat5e cable and connectors provide maximum shielding against external EMI for consistent data communications.

For modern wireless systems, the quick disconnect feature allows for ready replacement of rooftop equipment, to minimize field time spent servicing customer's equipment, and minimizing downtime for the customer. This helps to increase operator profitability and customer satisfaction.

FEATURES ✔RoHS

- Patented low cost design
- Field replaceable waterproof connector system for RJ45 shielded or unshielded connectors
- Constructed of UV protective materials for long life in harsh outdoor environments
- Seal meets IP67 criteria
- Shock and vibration resistant
- Positive locking RJ45 connector
- 12 in Cat5E strain relieved cable

MARKETS

- Wireless base stations
- Telecom equipment
- Wireless client radios
- 802.11 a/b/g wireless systems
- Direct burial equipment
- 10BaseT, 100BaseT or 1000BaseT networks
- Industrial process control
- Factory automation
- WiMAX

Specifications	
Data	10BaseT, 100BaseT and 1000BaseT Networks CAT5e per TIA/EIA 568B ClassD per ISO/IEC 11801
Mechanical	Mating Cycles >500 Positive RJ45 bayonet coupling Cat5 Cable Strain Relief
Material	UV Resistant Nylon 66
Sealing	IP67
Salt Spray	>1000 h
Flammability	UL94VO
Thermal Shock	10 cycles -40 to +100°C
Temperature Range	-40°C to +85°C
Installation Hole Dia	0.787 in (20 mm)
Overall Size (L x Dia)	3.75 in x 1.18 in (95 x 30 mm)
Weight	2 oz (57 gm)

SYSTEM ORDERING INFORMATION

RJ45-ECS	12 in RJ45 Waterproof Outdoor Ethernet Connector System
RJ45-ECS-NR	12 in RJ45 Waterproof Outdoor Ethernet Connector System with no relief
RJ45-ECS-4	4 in RJ45 Waterproof Outdoor Ethernet Connector System
RJ45-ECS-4-NR	4 in RJ45 Waterproof Outdoor Ethernet Connector System with no relief
RJ45-ECS-6	6 in RJ45 Waterproof Outdoor Ethernet Connector System
RJ45-ECS-6-NR	6 in RJ45 Waterproof Outdoor Ethernet Connector System with no relief

NOTES

• All shipments F.O.B. Schaumburg, IL 60173