



29353

## **1-Port USB Superbooster Dongle RJ45 Female to USB B Male - Receiver**

- One active component of a complete solution that when paired with a transmitter (sold separately), conquers USB length limitations
- Complete solution extends the signal of USB device to a host computer up to 150ft over Cat5/Cat5E/Cat6 cable
- Plug-and-Play
- Compatible with any computer that supports USB
- Use with existing part numbers (29344, 29348, or 29349)
- USB 1.1 compliant
- One year warranty

# Specifications: 1-Port USB Superbooster Dongle RJ45 Female to USB B Male - Receiver

## Electrical Characteristics:

Chip Power:	3.3V
Max Supply Current Drawn:	20mA
Capacitance:	20pF
Output Resistance:	28~44 Ohms
Max Cable Voltage Drop:	0.09V
Cable Data Signaling High:	460~550 (mV)
Cable Data Signaling Low:	-10~10 (mV)
Cable Idle Level:	-10~10 (mV)
Cable Chip Signal Delay:	13.5ns
Cable Length Max:	30m

## Physical Characteristics:

Temperature Rating:	80°C
Voltage Rating:	30V
Flammability Rating:	VW-1
Operating Temperature:	-40~85°C

**Approvals:** RoHS Compliant

**Warranty:** 1 year

**Package Type:** White Box

## Connectors:

### USB 1.1 B Connector

Gender:	Male
Insulation:	White PBT
Contact Material:	Gold Plated 3 $\mu$
Shell Material:	Nickel Plated
Hood Material:	Molded Black PVC

### RJ45 Jack PCB SMD

Gender:	Female
Insulation:	Black PBT
Contact Material:	Gold Plated 3 $\mu$
Shell Material:	Nickel Plated
Housing Material:	Black ABS

## Cable Construction:

### Conductor 1 (x2)

Material:	Stranded Tinned Copper
Size:	28AWG (7/0.12 TC)
Insulation:	HD-PE
OD:	0.90mm
Color:	White/Green (twisted pair)

### Conductor 2 (x2)

Material:	Stranded Tinned Copper
Size:	28AWG (7/0.12 TC)
Insulation:	SR-PVC
OD:	1.1mm
Color:	Red, Black

### Drain Wire

Material:	Tinned Copper
Size:	28AWG (7/0.12 TC)

### Shield 1

Material:	Aluminum Mylar Wrap
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### Shield 2

Material:	Braided Copper
Coverage:	65%

### Jacket

Material:	PVC
OD:	4.7mm

