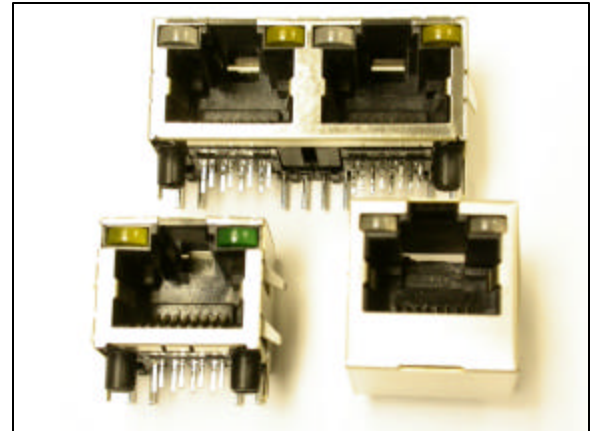


The Edac series A20 combines the functionality of the Edac series A00 RJ45 Cat 5 jacks with the signal capabilities of independent LEDs mounted within the jack housing. Each jack can have one or two LEDs. The LEDs are available as either a single color with a matching colored lens, or as a bi-color variant that utilizes a clear lens. Bicolor LEDs can be made to change color simply by reversing the voltage. All LEDs run at 2.1 volts nominal and consume 20 milliamps. Many custom LED color combinations are available, as well as the selective loading of contacts, custom contact plating, and special shielding. Right angle jacks can be made with a larger housing that allows for Edac to incorporate customer-specified filter components.



SPECIFICATIONS

- UL File Number: E138872
- FCC Compliance: Part 68 SubPart F
- Insulator Housing: Black Plastic PBT/Nylon, UL 94V-0
- Contact Material: Phosphor Bronze
- Contact Plating: Gold Flash or Gold Plate over nickel
- Contact Resistance: 20 milliohms maximum
- Insulation Resistance: 500 megaohms minimum
- Current Rating: 1.5 amps maximum
- Voltage Rating: 120 volts AC maximum
- Shield Housing: Tin plated copper alloy
- LED Voltage: 2.1 volts typical @ 20ma
- Reverse Voltage @ < 100ma : 5.0 volts
- DC Forward Current: 30ma

The factory minimum order quantity (MOQ) for all parts in this series is 1,000 pieces, NCNR.

ORDERING CODE

SAMPLE PART NUMBER: A20-108-265-411

- **A20 = Series Number:** RJ45 with LEDs
- **1 = Number of ports:** 1 = single port jack. Single row is available with 1, 2, 4, 6 or 8 jacks. Dual row is available with 2, 4, 8, 12, or 16 jacks.
- **08 = No. of contacts :** 08 = eight contacts per port. Maximum of 8 contacts per port (standard). Multiply the number of contacts by the number of ports. Example: 8 contacts x 6 ports = 48. For 8 contacts x 16 ports use code A28. Selective loads of 2, 4 or 6 contacts are available on special order (specify contact positions).
- **2 = Gold thickness:** 2 = gold flash (standard). 3 = 15u gold plate, 6 = 30u gold plate, 9 = 50u gold plate.
- **6 = Contact Orientation:** 6 = Right angle contacts (jack face 90 degrees from PCB). 2 = vertical contacts (jack face 180 degrees from PCB), 9 = surface mount right angle contacts.
- **5 = LED color (left):** 5 = bicolor red/green. 0 = blank face, 1 = Yellow, 2 = Red, 3 = Green, 4 = Bicolor yellow/green, 5 = Bicolor red/green Low current LEDs and alternate colors are available - please contact Sales.
- **4 = LED color (right):** 4 = bicolor yellow/green. 0 = blank face, 1 = Yellow, 2 = Red, 3 = Green, 4 = Bicolor yellow/green, 5 = Bicolor red/green. Low current LEDs and alternate colors are available - please contact Sales.
- **1 = Shield Configuration:** 1 = Metal shield. 0 = no shield, plastic housing only
- **1 = Stack Height:** 1 = ports stacked two rows high. 0 = single row of ports.

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