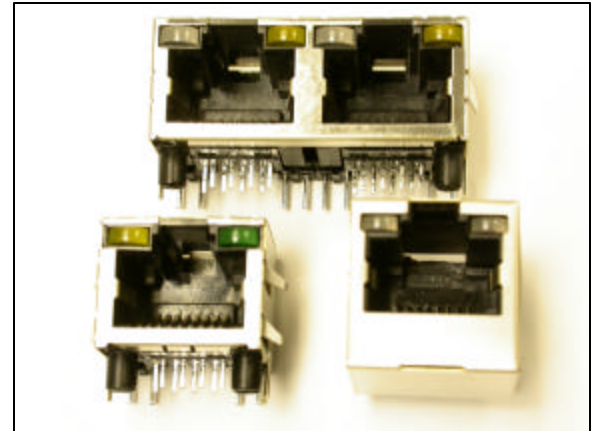


The Edac series A20 combines the functionality of the Edac series A00 RJ45 Cat 5 jacks with the signal capabilities of independent LEDs mounted within the jack housing. Each jack can have one or two LEDs. The LEDs are available as either a single color with a matching colored lens, or as a bi-color variant 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 milli-amps. 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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