



# SERIES A6X

## STANDARD RJ45 MAGNETIC JACKS



### FEATURES:

- 10/100 or 1000 Base T options – Full IEEE 802.3 compliance
- Integrated Magnetics – Provides signal integrity, DC isolation and protection for PHY chip
- Integrated Design - Reduces component inventory and process costs
- Spring fingers on shells - Guaranteed advanced EMI/RFI suppression
- LED options available - Visual indication of port status and activity information for user
- Tab Up or Down options - Complete design for board and unit compatibility
- Available as Single or Stacked Multiport Options
- Mate with Modular Plug Conforming to FCC Part 68, Subpart F
- Applications: Telecommunications, Broadcast, Data Products
- RoHS Compliant

### Specifications:

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Housing Material       | Thermoplastic, UL 94V-0                                                                 |
| Contact Material       | Copper Alloy                                                                            |
| Contact Plating        | Gold Plating on contact area and Tin Plating on tails with Nickel underplating all over |
| Shield                 | Copper Alloy with Nickel Plating                                                        |
| Storage Temperature    | -40°C to +85°C                                                                          |
| Wave Soldering Process | 260°C ± 5°C, 5~10 Seconds                                                               |
| Performance:           |                                                                                         |
| CAT5                   | 10/100 BASE-T                                                                           |
| CAT5e                  | 10/100/1000 BASE-T or Gigabit Ethernet                                                  |
| CAT6a                  | 10 Gigabit Ethernet                                                                     |

### Example Part Number:

#### SERIES:

A60 - 10/100/1000 BASE T, 8 CORE  
A62 - 10/100 BASE T, 2 CORE  
A63 - 10/100 BASE T, 4 CORE  
A64 - 10/100 BASE T, 5 CORE  
A65 - 10 BASE T, 3 CORE  
A66 - 10 BASE T, 4 CORE  
A67 - 10/100 BASE T, POE  
A68 - 10/100 BASE T WITH USB TYPE A  
A69 - 100/1000 BASE T WITH USB TYPE A  
A70 - 100/1000 BASE T, POE

NO. OF PORTS: 1 4  
STACK SIZE: 1 4 — PORT PER STACK  
11 - 1X1: 1 PORT, 21 - 2X1: 2 PORTS  
12 - 1X2: 2 PORTS, 22 - 2X2: 4 PORTS  
14 - 1X4: 4 PORTS, 24 - 2X4: 8 PORTS  
18 - 1X8: 8 PORTS, 28 - 2X8: 16 PORTS  
1A - 1+2USB: 1 PORT + 2 USB PORTS  
1B - 1+2USB3.0: 1 PORT + 2 USB3.0 PORTS

CONTACT PLATING:  
2 - GOLD FLASH  
3 - 15 MICROINCHES OF GOLD  
4 - 30 MICROINCHES OF GOLD  
5 - 50 MICROINCHES OF GOLD

CONNECTOR TYPE:  
2 - RIGHT ANGLE WITH TAB-UP  
3 - RIGHT ANGLE WITH TAB-DOWN  
4 - VERTICAL WITH TAB-UP  
5 - VERTICAL WITH TAB-DOWN  
6 - SMT WITH TAB-UP  
7 - SMT WITH TAB-DOWN  
8 - RIGHT ANGLE WITH TAB-UP AND PANEL STOP  
9 - RIGHT ANGLE WITH TAB-DOWN AND PANEL STOP  
A - VERTICAL WITH TAB-UP AND PANEL STOP

A60-142-200P431

ELECTRICAL CIRCUIT TYPE:  
(SEE CIRCUIT TYPE PAGE FOR DETAILS)

SHIELD TYPE:  
0 - NO SHIELD  
1 - SHIELDED, NO EMI FINGER  
2 - SHIELDED, WITH EMI FINGER ON TOP  
3 - SHIELDED, WITH EMI FINGER BOTH SIDES  
4 - SHIELDED, WITH EMI FINGER ON THREE SIDES  
5 - SHIELDED, WITH EMI FINGER ON FOUR SIDES  
6 - SHIELDED, WITH EMI FINGER ON THREE SIDES, LED TAIL STAGGERED  
7 - SHIELDED, WITH EMI FINGER ON THREE SIDES, 3 LEG TAIL LED

HOUSING MATERIAL:  
P - PBT POLYESTER  
N - NYLON POLYESTER  
L - LCP

RIGHT LED COLOR:  
0 - NO LED  
1 - YELLOW  
2 - RED  
3 - GREEN  
4 - ORANGE  
5 - GREEN/YELLOW BI-COLOR

6 - RED/GREEN BI-COLOR  
7 - GREEN/ORANGE BI-COLOR  
8 - RED/YELLOW BI-COLOR  
9 - ORANGE/YELLOW BI-COLOR

LEFT LED COLOR:  
0 - NO LED  
1 - YELLOW  
2 - RED  
3 - GREEN  
4 - ORANGE  
5 - GREEN/YELLOW BI-COLOR

6 - RED/GREEN BI-COLOR  
7 - GREEN/ORANGE BI-COLOR  
8 - RED/YELLOW BI-COLOR  
9 - ORANGE/YELLOW BI-COLOR

\*Please consult EDAC for the availability of the modular or magnetic jack if the part no is created using this ordering guide.

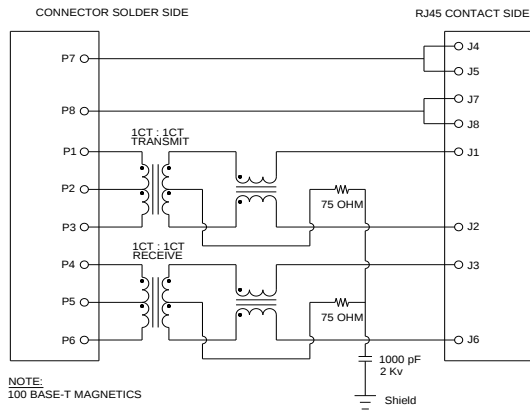


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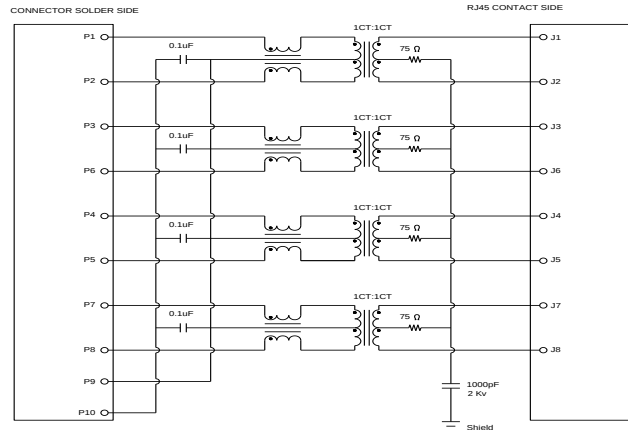
CONTACT EDAC FOR FURTHER INFORMATION ON VARIOUS OTHER CIRCUITS

16 TYPE



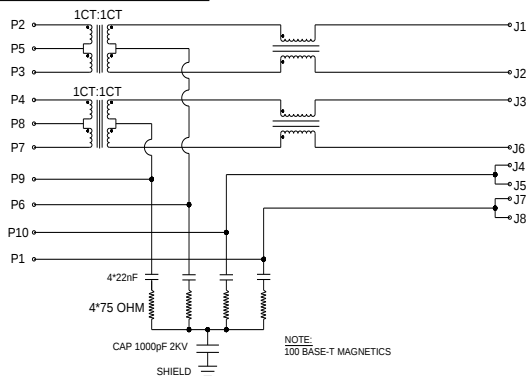
NOTE:  
100 BASE-T MAGNETICS

70 TYPE



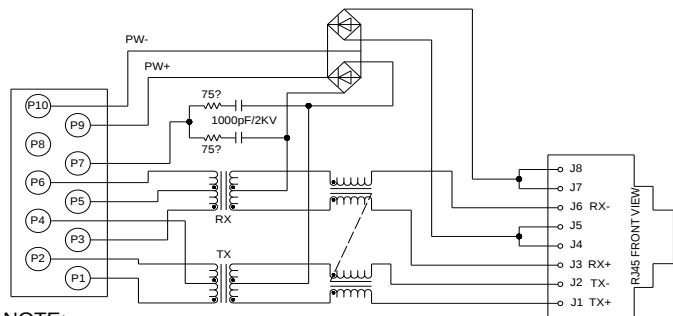
NOTE:  
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS

P1 TYPE: POWER OVER ETHERNET



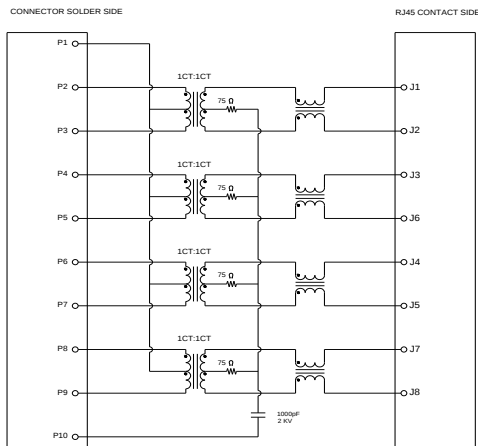
NOTE:  
100 BASE-T MAGNETICS

13 TYPE: POWER OVER ETHERNET



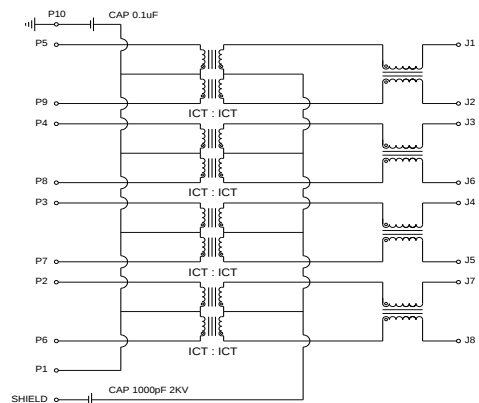
NOTE:  
100 BASE-T MAGNETICS

32 TYPE



NOTE:  
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS

30 TYPE



NOTE:  
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS