EDAC

edacJAX

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**
- **FCC Compliance: Part 68 Sub Part F**
- **RoHS Compliant**

DESCRIPTION:
• Magnetic jacks are integrated connectors that combine network magnetics with RJ 45 modular jack connectors. Magnetic jacks combine connectivity with signal conditioning, electro magnetic interference suppression and signal isolation. These parameters were previously performed by separate and discrete magnetic components mounted on the PCB board.

• Available as single or stacked multiport options they are used in Data, Telecom, Networking and Home Entertainment markets for applications such as Servers, Hubs, Routers, Printers, Computers, Set Top Boxes and Digital TV's.

• MATE WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

APPLICATIONS:
- Telecomunications:
    Networks, Routers, Server Farms, LAN Adapter Cards
- Broadcast
    Digital TV, Set Top Boxes, Video Streaming Equipment
    Gaming Consoles, Amplifiers
- Data Products
    Computers, Computer Peripherals, Consumer Products

PERFORMANCE:
- CAT5: 10/100 BASE-T
- CAT5e: 10/100/1000 BASE-T or Gigabit Ethernet
- CAT6a: 10 Gigabit Ethernet

Example Part Number:

A60-142-200P431

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 ——   —— 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

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   6 — RED/GREEN BI—COLOR
1 — YELLOW   7 — GREEN/ORANGE BI—COLOR
2 — RED   8 — RED/YELLOW BI—COLOR
3 — GREEN   9 — ORANGE/YELLOW BI—COLOR
4 — ORANGE   A —
5 — GREEN/YELLOW BI—COLOR

LEFT LED COLOR:
0 — NO LED   6 — RED/GREEN BI—COLOR
1 — YELLOW   7 — GREEN/ORANGE BI—COLOR
2 — RED   8 — RED/YELLOW BI—COLOR
3 — GREEN   9 — ORANGE/YELLOW BI—COLOR
4 — ORANGE   A —
5 — GREEN/YELLOW BI—COLOR

*Please consult EDAC for the availability of the modular or magnetic jack if its part no is created using this ordering guide.
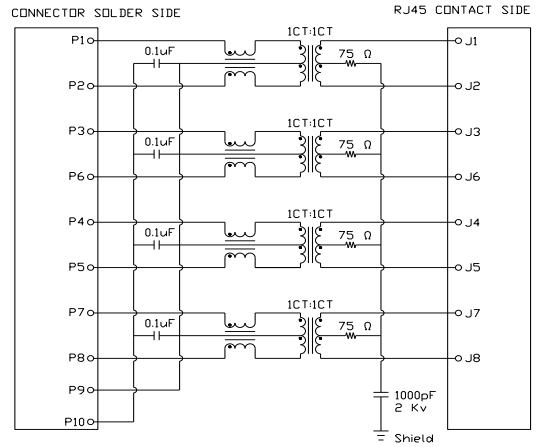
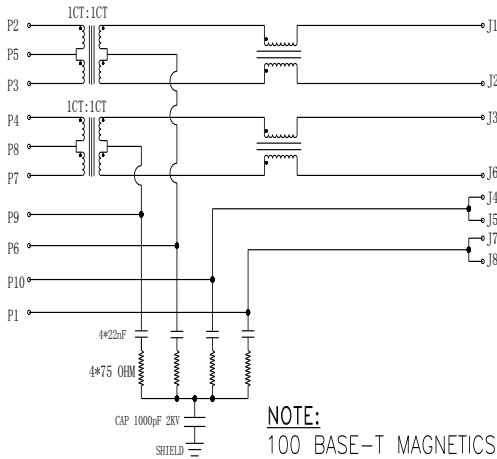**CONTACT EDAC FOR FURTHER INFORMATION ON VARIOUS OTHER CIRCUITS**

16 TYPE
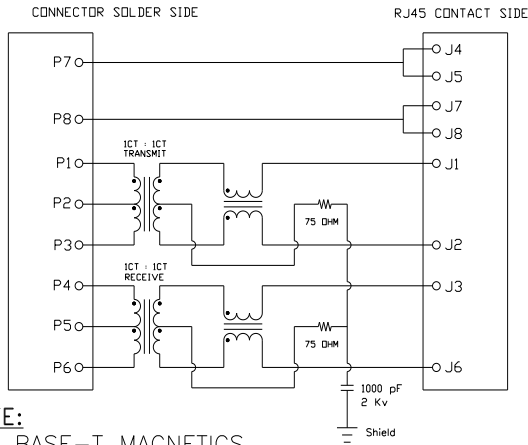
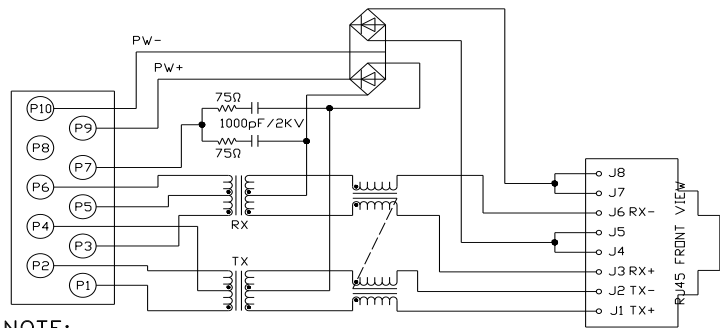NOTE:
100 BASE-T MAGNETICS

70 TYPE

NOTE:
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS
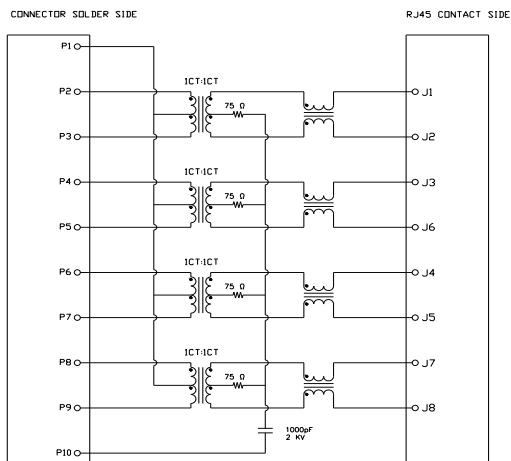
P1 TYPE: POWER OVER ETHERNET

NOTE:
100 BASE-T MAGNETICS

13 TYPE: POWER OVER ETHERNET

NOTE:
100 BASE-T MAGNETICS

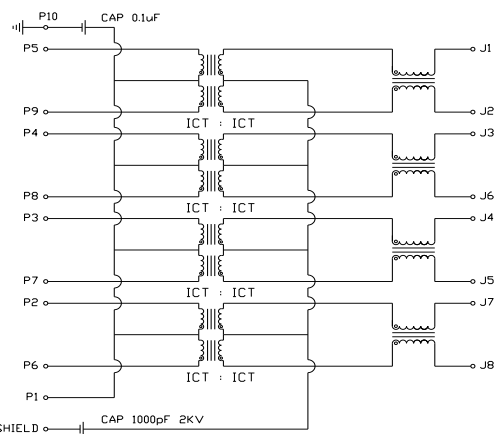### 32 TYPE

NOTE:
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS

30 TYPE

NOTE:
GIGABIT ETHERNET (1000 BASE-T) MAGNETICS