

## FEATURES:

- LAN interface suitable for 10/100Base-TX applications
- RJ45/USB stacked design saves on PCB real estate
- USB module complies with USB 2.0 standards and meets CAT5 Fast Ethernet industry performance standard
- Magnetics are 100% electrically tested for HI-POT and continuity
- Meets or exceeds IEEE 802.3 and ANSI X3.263 standards including 350  $\mu$ H minimum OCL with 8 mA bias

YUAN DEAN SCIENTIFIC



## RJ45 Jack 43F/44F SERIES

With Magnetics

Single Port/USB

10/100 Base-T

TAB Up

USB Integrated

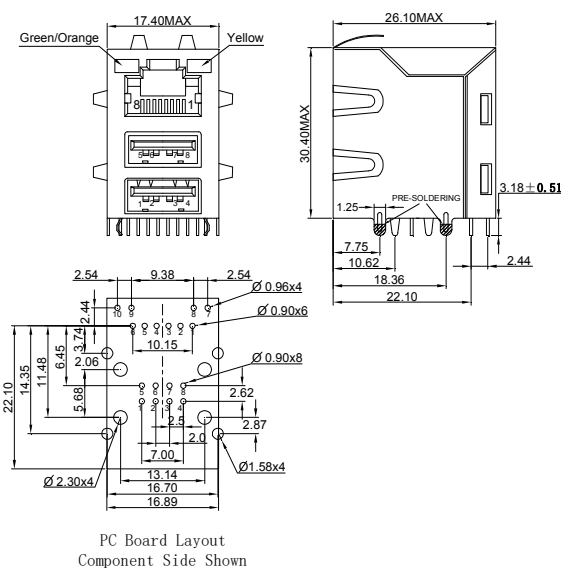


### ELECTRICAL SPECIFICATIONS@25°C Operating temperature 0°C TO 70°C

| Part Number     | Turns Ratio<br>( $\pm 5\%$ ) |         | Insertion Loss<br>(dB MAX) | Return Loss<br>(dB MIN@100 $\Omega$ $\pm 15\Omega$ ) |                    |              |              | Crosstalk<br>(dB TYP) | CMR<br>(dB MIN) | Hipot<br>(Vrms) |
|-----------------|------------------------------|---------|----------------------------|------------------------------------------------------|--------------------|--------------|--------------|-----------------------|-----------------|-----------------|
|                 | TX                           | RX      |                            | 1-100<br>MHz                                         | 1-30<br>MHz        | 30-60<br>MHz | 60-80<br>MHz |                       |                 |                 |
| 43F-1201DYD2NL  | 1CT:1CT                      | 1CT:1CT | -1.0dB                     | -18dB                                                | -18+20Log(F/30MHz) | -12dB        | -35dB        | -30dB                 | 1500            |                 |
| 44F-10101DYD2NL | 1CT:1                        | 1CT:1CT | -1.0dB                     | -16dB                                                | -16+20Log(F/30MHz) | -12dB        | -30dB        | -20dB                 | 1500            |                 |



## 44F



## 44F

