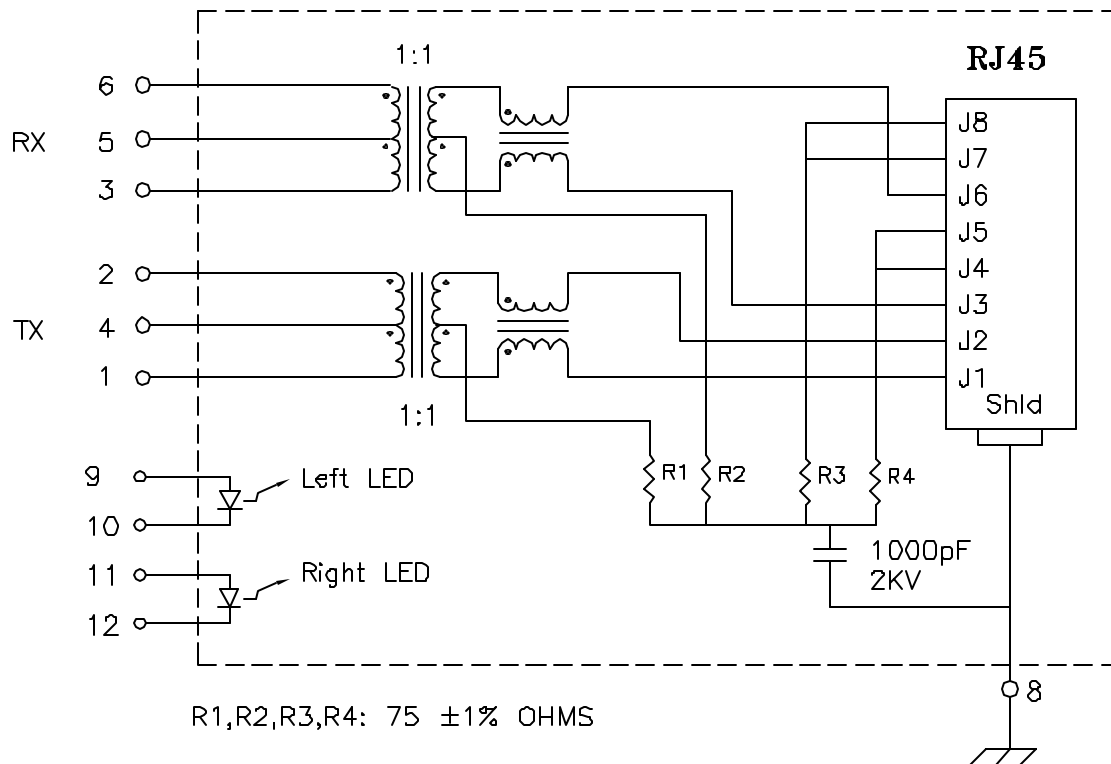


Schematic:

(One of Four)



R1,R2,R3,R4: 75 $\pm$ 1% OHMS

Electrical Specifications: @25°C

Isolation Voltage: 1500 Vac

Isolation Voltage: 500 Vac (1+2+4-3+5+6)

UTP SIDE OCL: 350uH Min @100KHz 100mV 8mADC

Leakage Inductance: P6-P3 0.3uH Max @1MHz 100mV Short J6 and J3

Leakage Inductance: P2-P1 0.3uH Max @1MHz 100mV Short J2 and J1

Cww: {P6, P5, & P3} to {J6 & J3} 30pF Max @1MHz

Cww: {P2, P4, & P1} to {J2 & J1} 30pF Max @1MHz

DCR: {J6-J3} = {J2-J1} 1.2 Ohms Max

Rise Time (10-90%): 2.5ns Typ

Insertion Loss (100KHz-100MHz): -1.2dB Max

Return Loss: -18dB Min @1MHz - 30MHz

Return Loss: -12dB Min @60MHz - 80MHz

Crosstalk: 40dB Typ @1MHz to 100MHz

Common Mode to Differential Mode Rejection:

30MHz-100MHz -35dB Typ {Tx} / -35dB Typ {Rx}

Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component
10. RJ45 contacts have 30u of gold plating.

DOC REV: A/7

PROPRIETARY

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UNLESS OTHERWISE SPECIFIED
TOLERANCES:
.xxx $\pm$ 0.010
Dimensions in Inch
SHEET 1 OF 2

Title:
FOUR PORT COMBO w/ LED's

P/N: XFATM2R-CLxu4-4MS

REV. A

DWN.

Juan Mao

Apr-04-06

CHK.

YK Liao

Apr-04-06

APP.

Joe Huff

Apr-04-06

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