

The schematic diagram illustrates the RX/TX interface circuit. On the TX side (left), pins 1, 2, and 3 are connected to two 1CT:1CT transformers. The RX side (right) has pins 4, 5, and 6 connected to two 1CT:1CT transformers. The TX transformers are connected to the RX transformers via a 4-wire bus. The TX transformers are also connected to two LEDs (Left LED, Right LED) and a 1000pF 2KV capacitor. The RX transformers are connected to a 1000pF 2KV capacitor. The TX and RX sides are connected to a common ground (pin 8).

Isolation Voltage: 1500 Vrms (Input to Output)
Isolation Voltage: 500 Vrms (P1+2+3 to P4+5+6)
Turns Ratio: TX 1CT:1CT $\pm 3\%$ RX 1CT:1CT $\pm 3\%$
CABLE SIDE OCL: 350uH Minimum @100KHz 100mV 8mADC
Cw/w: 27pF Typical @100KHz 100mV
Insertion Loss (300KHz–100MHz): –1.0dB Maximum
Return Loss: @1–10MHz @10–30MHz @30–60MHz @60–80MHz
–20dB –16dB –12dB –10dB
Crosstalk: @1–30MHz @30–60MHz @60–100MHz
–40dB –35dB –30dB
CMR: @1–50MHz @50–150MHz
–30dB –20dB

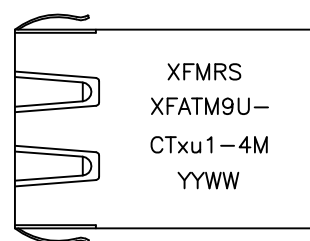
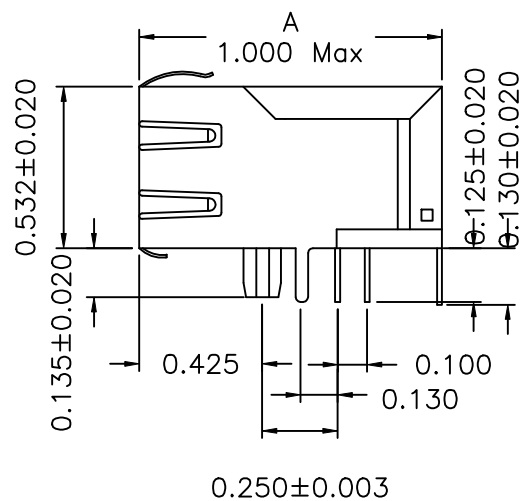
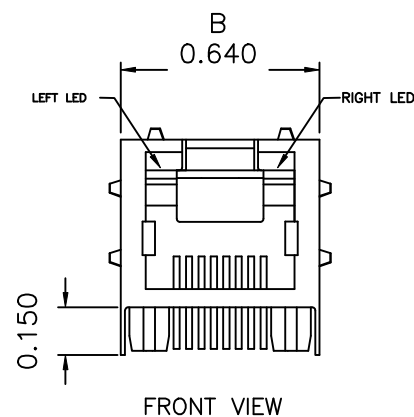
1. Solderability: Leads shall meet MIL-STD-202, Method 208D for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Temperature rating: 155°C. UL file E151556
5. Operating Temperature Range: -40°C to +85°C

XFMRS Inc.

SINGLE PORT COMBO TAB UP

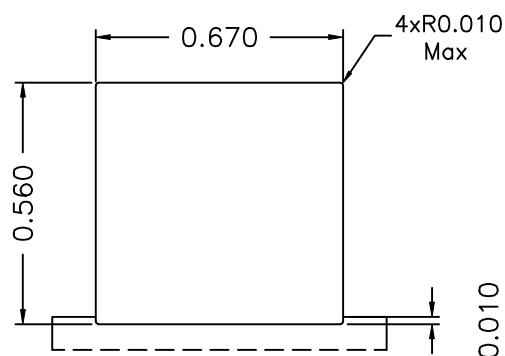
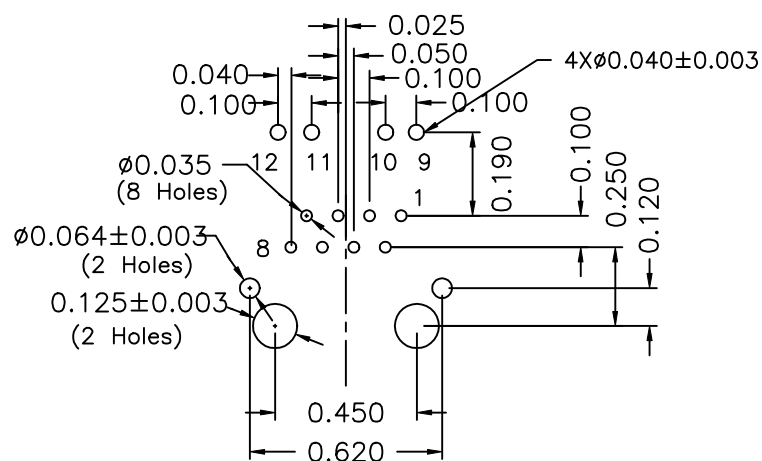
Jun-25-03

Mechanical Dimensions:



TOP VIEW

Mounting Pattern:



FACE VIEW
RECOMMENDED PANEL CUTOUT

DOC. REV A/1

XFMRS Inc.		Title: Mechanical Dimensions For TAB UB RJ45 COMBO	
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch	P/N: XFATM9U-CTxu1-4M		REV. A
	DWN.	罗振江	Jun-25-03
	CHK.	廖玉坤	Jun-25-03
	APP.	MS	Jun-25-03
SHEET 2 OF 2			