

10/100 BASE-TX “LAN-MATE”

P/N: LU1S041C DATA SHEET

A. GENERAL SPECIFICATONS

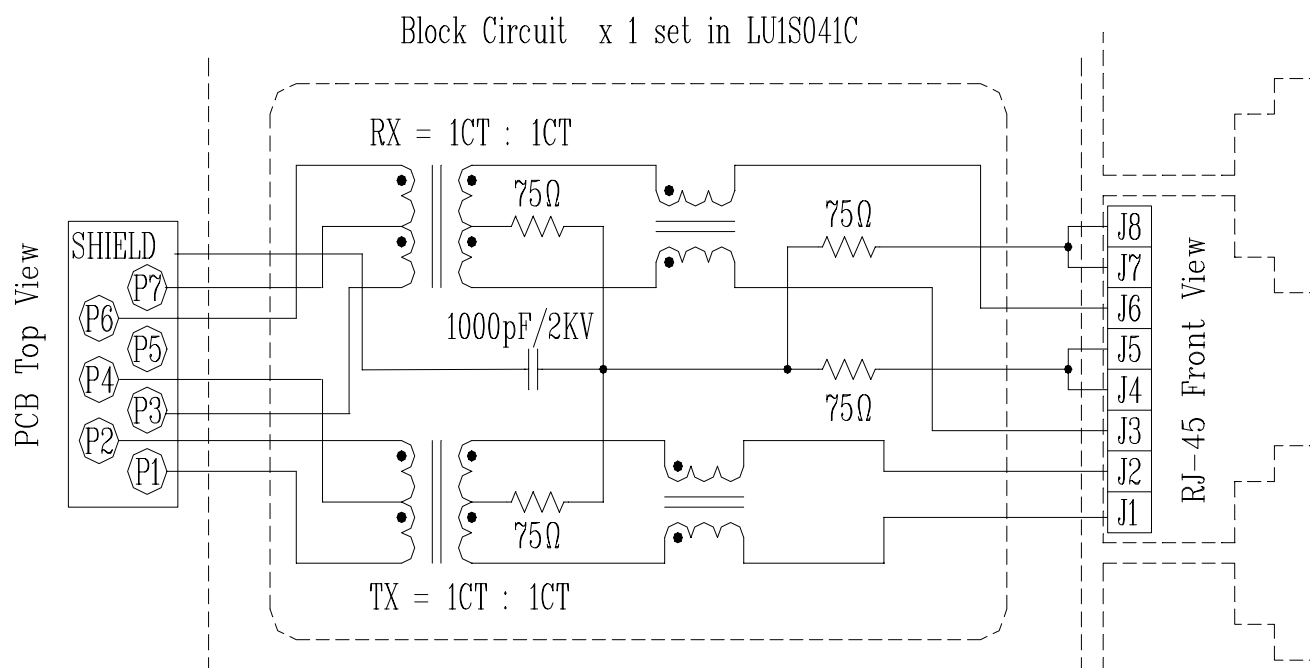
1. COMPLIES WITH REQUIREMENT OF IEEE802.3u STANDARDS.
2. RJ 45 CONNECTOR WITH 10/100 BASE-TX MAGNETIC.

B. ELECTRICAL SPECIFICATIONS: (25°C)

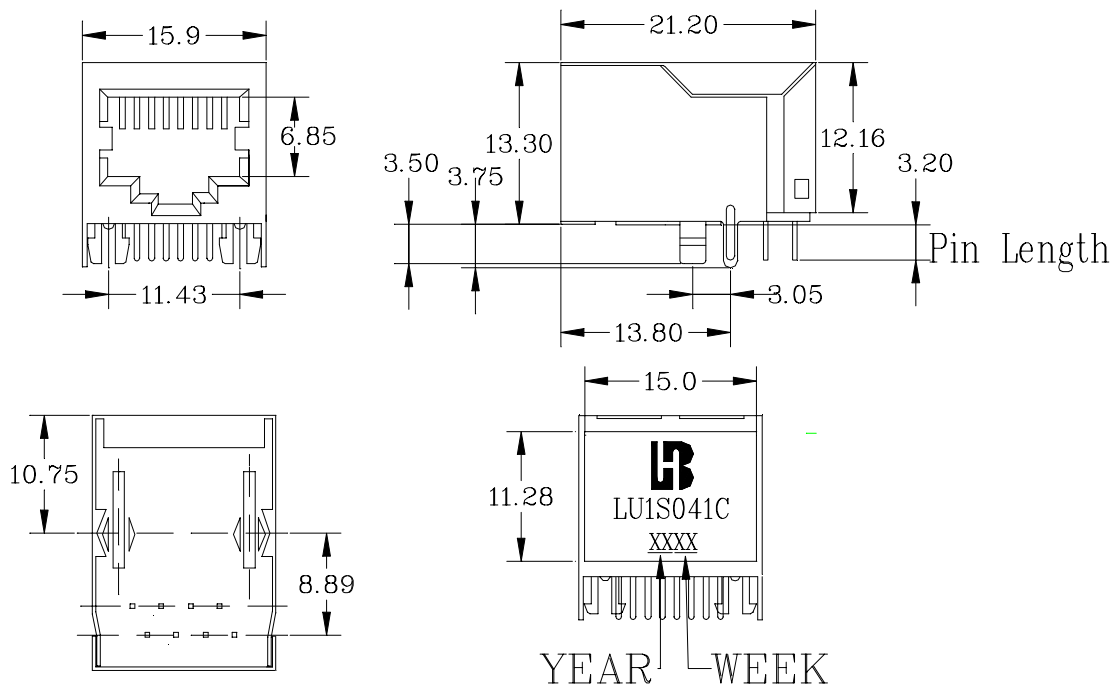
1. TURN RATIOS: (P6-P3): (J6-J3)=1CT: 1CT & (P2-P1):(J2-J1)=1CT: 1CT
2. INDUCTANCE: (P6-P3): 350 uH MIN @100 KHz 100mV/8mA Bias
(P2-P1) : 350 uH MIN @ 100 KHz 100mV/8mA Bias
3. CW/W: (P6,P7,P3):(J6-J3)=28, (P2,P4,P1): (J2-J1)=28 pF MAX
4. LEAKAGE INDUCTANCE (uH Max): P6-P3 (WITH J6 AND J3 SHORT): 0.4 ,
P2-P1 (WITH J2 AND J1 SHORT): 0.4
5. HI-POT TEST: 1500 Vrms/1S Min
6. INSERTION LOSS (1-100MHz): -1.1dBMax
7. RETURN LOSS (dB Min):

30MHz	40MHz	50MHz	60MHz	80MHz
-16	-14	-13.5	-13	-12
8. CROSS TALK (0.1-60) MHz:-40dB, (60-100) MHz: -38dB
9. COMMON MODE REJECTION RATIO: (0.1-60) MHz: -45dB XMIT/-40dB RCV
(60-100) MHz: -40dB XMIT/-35dB RCV

C. SCHEMATIC:

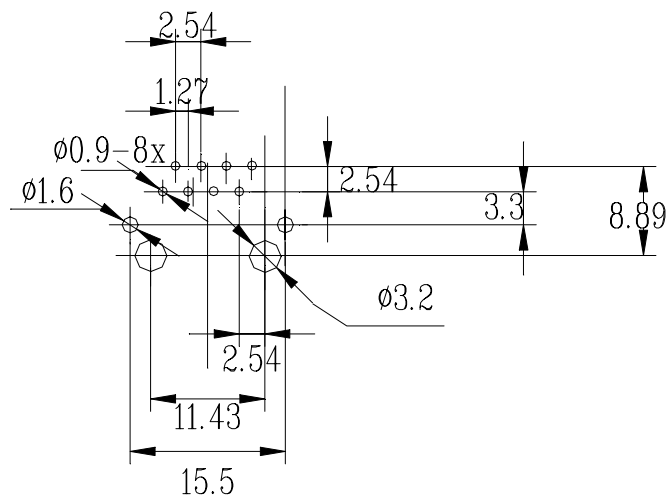


D:MECHANICAL DIMENSION(Unit mm) :



1. Plastic Material : PBT 15% Glass Filled (UL 94V-0) , Black Housing
2. Metal Shield : Brass C2680-H, 20u Nickle Plated, $t=0.25\text{mm}$
3. Spring Wire : 0.45mm Dia. Phosphor bronze with 6u gold plated .
4. Solder Pin : 0.4*0.4mm ,Phosphor bronze with Solder plated .
5. Durability : 300 Mating cycles Min .

E. PCB LAYOUT MOUNTING HOLE (Top View)



Tolerance : ± 0.25