



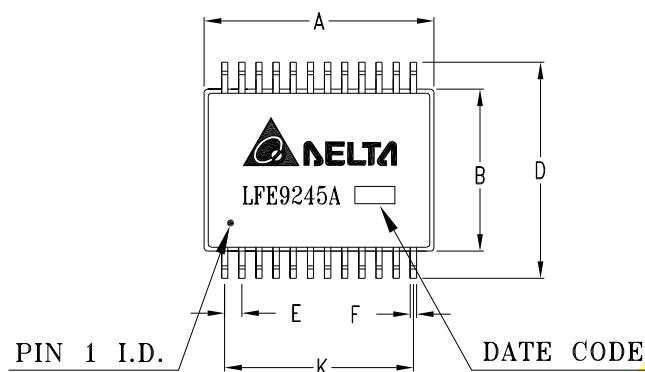
SPECIFICATION FOR APPROVAL

Customer Part No.:
Delta Part No.: LFE9245A
Part Name: LAN Filter (1000 Base-T Single Port)

Rev.: C

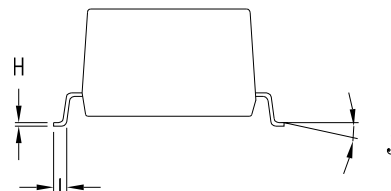
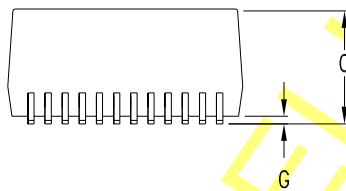


1. Mechanical Dimension:

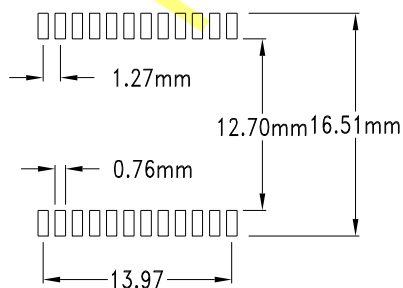


UNIT: mm/inch

A = 17.00±0.254/0.669±0.010
B = 12.00±0.254/0.472±0.010
C = 8.35±0.254/0.329±0.010
D = 16.00±0.254/0.630±0.010
E = 1.27±0.127/0.050±0.005
F = 0.46±0.127/0.018±0.005
G = 0.254±0.127/0.010±0.005
H = 0.254±0.10/0.010±0.004
I = 1.00±0.254/0.039±0.010
J = 0°~8°
K = 13.97±0.127/0.550±0.005



1-1. Marking and Recommended PWB Layout:



(Component Side)
Suggested PWB Layout



LFE9245A XX XX

Week
Year
Delta P/N

* Marking

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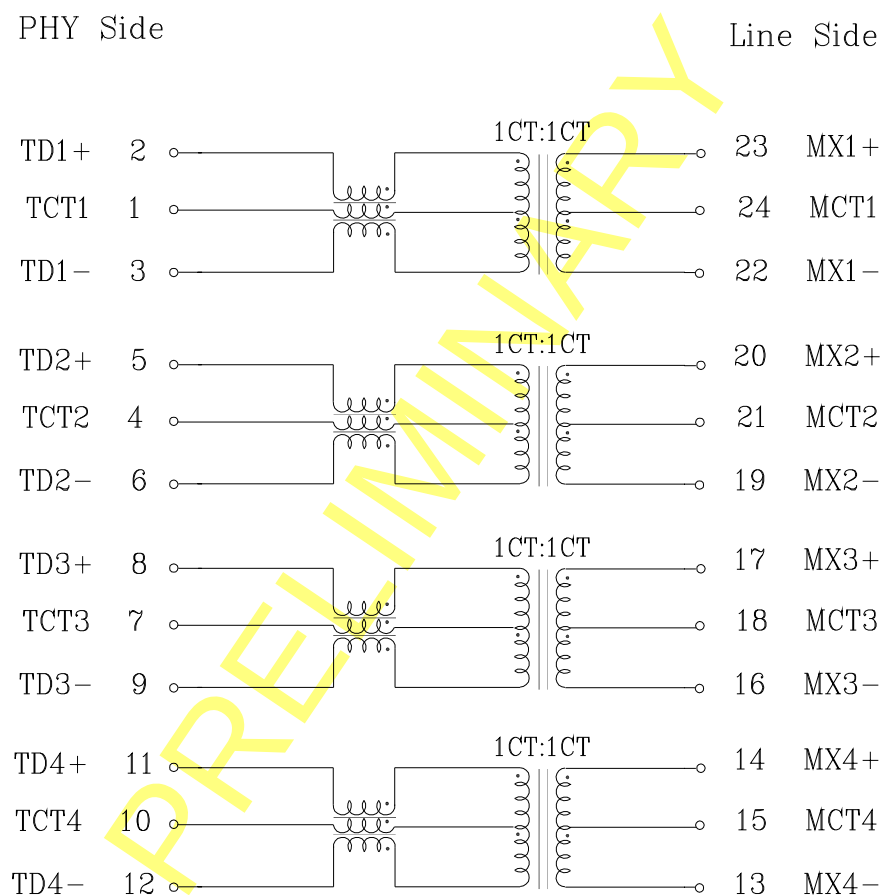
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2. Circuit Schematic:



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3. Electrical Characteristics: (Temp.: 20~30°C, Humidity: 40%~75% RH)

3-1. Insertion Loss:

1-60MHz-0.6dB MAX.

60-100MHz-1.0dB MAX.

100-125MHz-1.2dB MAX.

3-2. Return Loss:

1-30MHz-16.0dB MIN.

30-40MHz-13.5dB MIN.

40-50MHz-11.5dB MIN.

50-80MHz-10.0dB MIN.

3-3. Cross Talk:

1-100MHz-30dB MIN.

3-4. Common Mode Rejection:

1-100MHz-30dB MIN.

3-5. Primary Inductance: @100KHz,0.1V

8mA DC Bias 350uH MIN.

3-6. Turns Ratio: @100KHz

(2-3 : 23-22) = 1CT:1CT±5%

(5-6 : 20-19) = 1CT:1CT±5%

(8-9 : 17-16) = 1CT:1CT±5%

(11-12 : 14-13) = 1CT:1CT±5%

3-7. Hi-pot Test: @60Hz,1mA

(Pri To Sec).....1500Vrms,60Sec

* RoHS Compliant

* Solder Wire SAC 305 Sn 96.5/Ag 3.0/Cu 0.5

* Use Pb:Sn=w95:w5 solder for internal connection which is exempted from RoHS regulations

* Operate Temperature Range: 0~70°C

* Storage Temperature Range: -40°C~85°C

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