



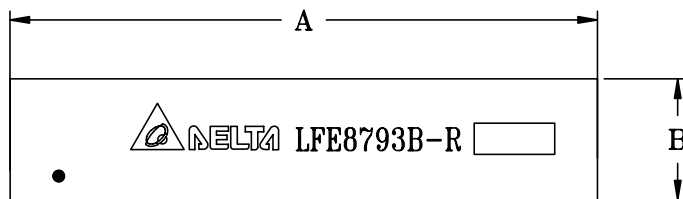
SPECIFICATION FOR APPROVAL

CUSTOMER PART NO.:
DELTA PART NO.: LFE8793B-R
PART NAME: 100Base-T quad port transformer

REV.: E



1. MECHANICAL DIMENSIONS :



UNIT: mm/inch

A = $37.8 \pm 0.254 / 1.488 \pm 0.010$

B = $7.8 \pm 0.254 / 0.307 \pm 0.01$

C = $10.5 \pm 0.254 / 0.413 \pm 0.01$

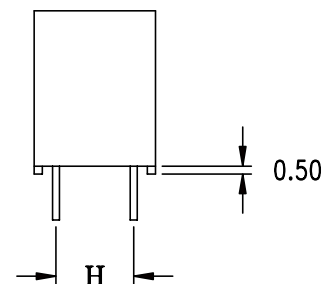
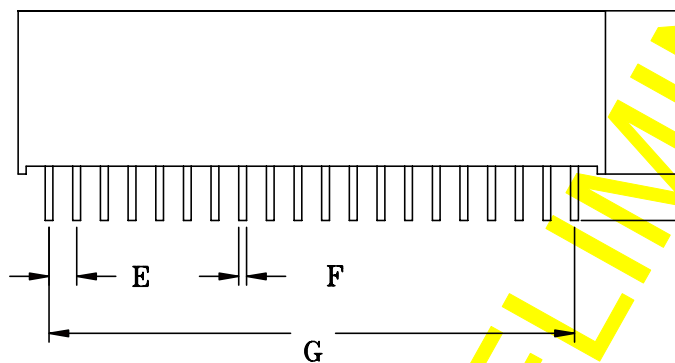
D = $3.0 \pm 0.254 / 0.118 \pm 0.01$

E = $1.78 \pm 0.254 / 0.07 \pm 0.01$

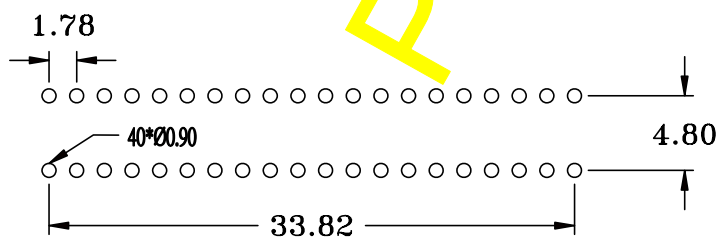
F = $0.5 \pm 0.05 / 0.012 \pm 0.002$

G = $33.82 \pm 0.254 / 1.33 \pm 0.01$

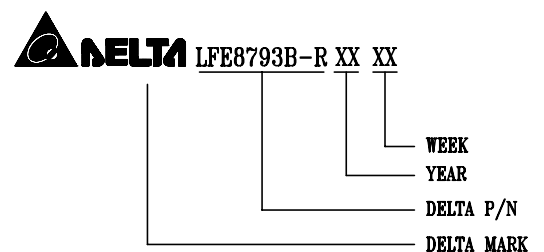
H = $4.8 \pm 0.254 / 0.189 \pm 0.01$



2. MARKING AND RECOMMENDED PCB LAYOUT :



SUGGESTED PCB LAYOUT(Unit:mm)



* MARKING*

* This specification is the proprietary of Delta Electronics, Inc.

* This specification is only for preliminary review. If formal specification is required, please contact with our local Sales office or Rep.



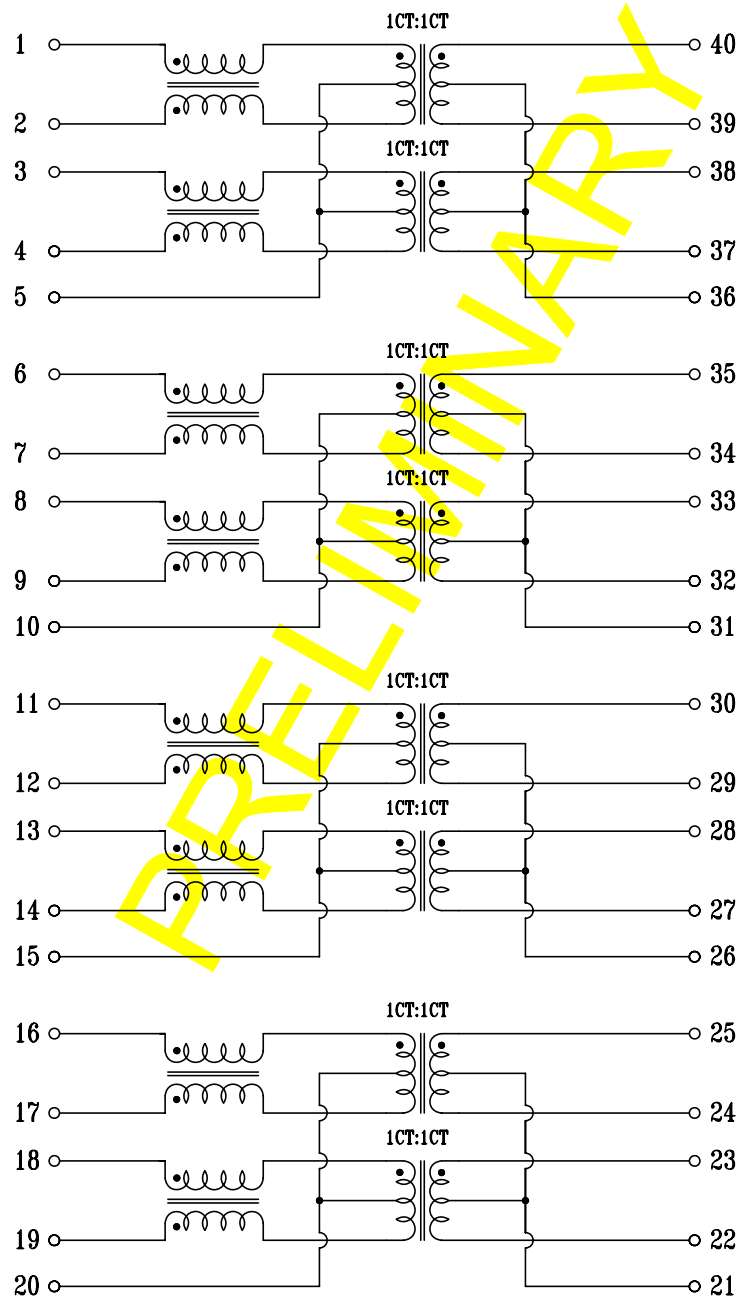
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3. CIRCUIT SCHEMATIC:



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4. ELECTRICAL CHARACTERISTICS (TEMP: 25°C, HUM: 65% RH)

4-1. INSERTION LOSS:

1-100MHz -1.2dB MAX

4-2. RETURN LOSS:

30MHz -15dB MIN.

50MHz -13dB MIN.

80MHz -11dB MIN.

4-3. CROSS TALK:

1~30MHz -40dB MIN.

30~60MHz -35dB MIN.

60~100MHz -30dB MIN.

4-4. COMMON MODE REJECTION:

1-30MHz -30dB MIN.

30~60MHz -25dB MIN.

60~125MHz -20dB MIN.

4-5. PRIMARY INDUCTANCE: @100KHz, 0.1Vrms, 8mA DC BIAS
350uH MIN

4-6. HI-POT TEST: @60Hz
(PRI TO SEC) : 1500Vrms, 60Sec

4-7. TURNS RATIO:
(TX : RX) : 1CT:1CT±3%

- * RoHS compliant
- * STORAGE TEMPERATURE RANGE: -40°C~85°C
- * OPERATE TEMPERATURE RANGE: 0~70°C
- * PLASTIC HEAT DEFLECTION TEMP: 260°C~280°C