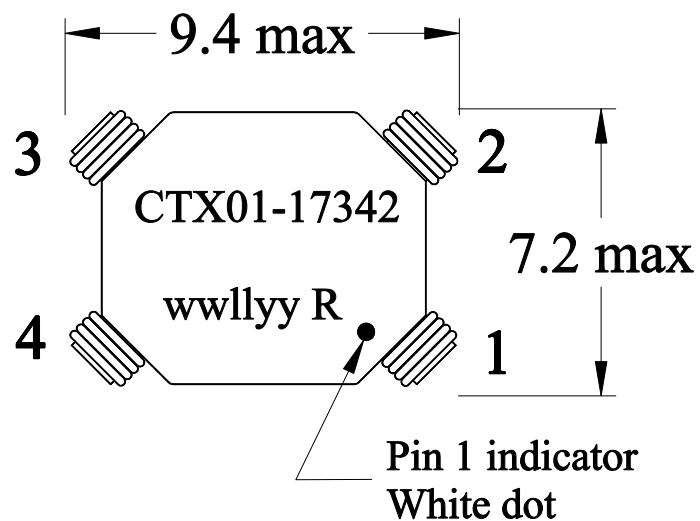
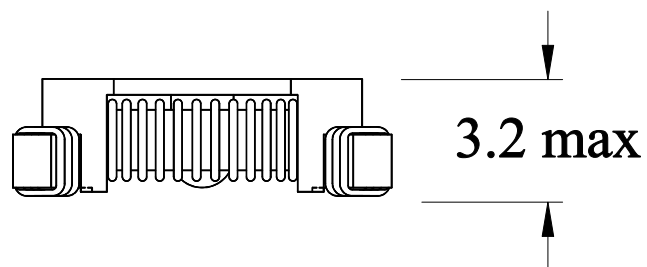


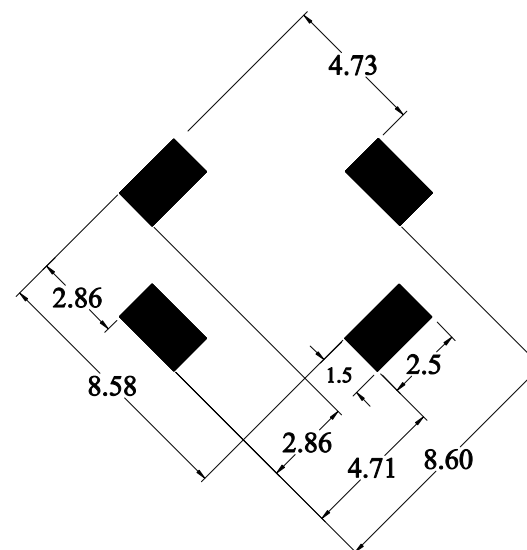
## TOP VIEW



## FRONT VIEW

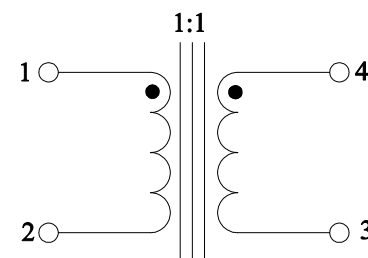


## RECOMMENDED PCB LAYOUT



## Component Side

## SCHEMATIC



### Notes:

- 1) All Dimensions are in millimeters unless otherwise specified.
  - 2) Tolerances are .x +/- 0.25, .xx +/- 0.125 unless stated otherwise.
  - 3) All soldering surfaces to be coplanar within 0.10 millimeters.
  - 4) wwlllyy = (Date Code) R= (Revision Level)
  - 5) PCB tolerances are +/- 0.1 unless stated otherwise.
  - 6) RoHS Compliant
- This document subject to change without notice

### Cooper Electronic Technologies

3601 Quantum Blvd, Boynton Beach, FL 33426

Inductor, Common Mode  
35uH 7A

|      |                 |             |
|------|-----------------|-------------|
| Size | Drawing Number: | CTX01-17342 |
| A    | Revision Level: | C           |

# CUSTOMER INFORMATION

| Ratings     |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|-------------|-----------------------------------------------|-----------------------------------------------|-------------------------------|--------------------------------|----------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Part Number | OCL<br>(uH) nominal<br>@ 20C<br>(1-2) & (4-3) | OCL<br>(uH) minimum<br>@ 20C<br>(1-2) & (4-3) | SCL(nH)<br>(1-2)<br>Short 3-4 | SCL (nH)<br>(4-3)<br>Short 1-2 | I rms.<br>Amperes<br>Max * | DCR (Ω) typ<br>@ 20°C.<br>(1-2) | DCR (Ω) typ<br>@ 20°C.<br>(4-3) | DCR (Ω) max<br>@ 20°C.<br>(1-2) | DCR (Ω) max<br>@ 20°C.<br>(4-3) |
| CTX01-17342 | 35.0                                          | 27.0                                          | 275 min                       | 275 min                        | 7.00                       | 0.0065                          | 0.0065                          | 0.0078                          | 0.0078                          |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |
|             |                                               |                                               |                               |                                |                            |                                 |                                 |                                 |                                 |

|                                                                                           |  |  |  |  |                                                                    |  |  |  |  |
|-------------------------------------------------------------------------------------------|--|--|--|--|--------------------------------------------------------------------|--|--|--|--|
| <b>Definitions:</b>                                                                       |  |  |  |  | <b>Electrical Characteristics</b>                                  |  |  |  |  |
| OCL= Open Circuit Inductance                                                              |  |  |  |  | OCL 0.10Vrms, 100kHz, 0.0Adc: (See Chart)                          |  |  |  |  |
| DCR = Direct Current Resistance.                                                          |  |  |  |  | SCL 0.10Vrms, 100kHz, 0.0Adc: (See Chart) (Short opposite winding. |  |  |  |  |
| I rms= rms current for approx a 40°C. temperature rise at an ambient temperature of 85°C. |  |  |  |  | DCR (1-2) typ @ 20°C.: (See Chart)                                 |  |  |  |  |
| * Operating Temperature: 140 °C Max. Inductance values are sustained up to 140 °C.        |  |  |  |  | DCR (4-3) typ @ 20°C.: (See Chart)                                 |  |  |  |  |
| This document subject to change without notice.                                           |  |  |  |  | Hipot rating: winding to winding: 300Vdc min. for 1 second.        |  |  |  |  |
|                                                                                           |  |  |  |  | Turns Ratio: (1-2):(4-3) 1:1                                       |  |  |  |  |
|                                                                                           |  |  |  |  |                                                                    |  |  |  |  |
|                                                                                           |  |  |  |  |                                                                    |  |  |  |  |

|                                                                           |  |  |  |  |  |                                            |                 |             |  |
|---------------------------------------------------------------------------|--|--|--|--|--|--------------------------------------------|-----------------|-------------|--|
| <b>NOTES:</b>                                                             |  |  |  |  |  | <b>Cooper Electronic Technologies</b>      |                 |             |  |
| 1) Units available in Tape and Reel packaging (1750 units per 13" Reel) . |  |  |  |  |  | 3601 Quantum Blvd, Boynton Beach, FL 33426 |                 |             |  |
|                                                                           |  |  |  |  |  | Inductor, Common Mode<br>35.0 uH 7.0A      |                 |             |  |
|                                                                           |  |  |  |  |  |                                            |                 |             |  |
|                                                                           |  |  |  |  |  | SIZE                                       | Drawing Number: | CTX01-17342 |  |
|                                                                           |  |  |  |  |  | A                                          | Revision Level: | C           |  |