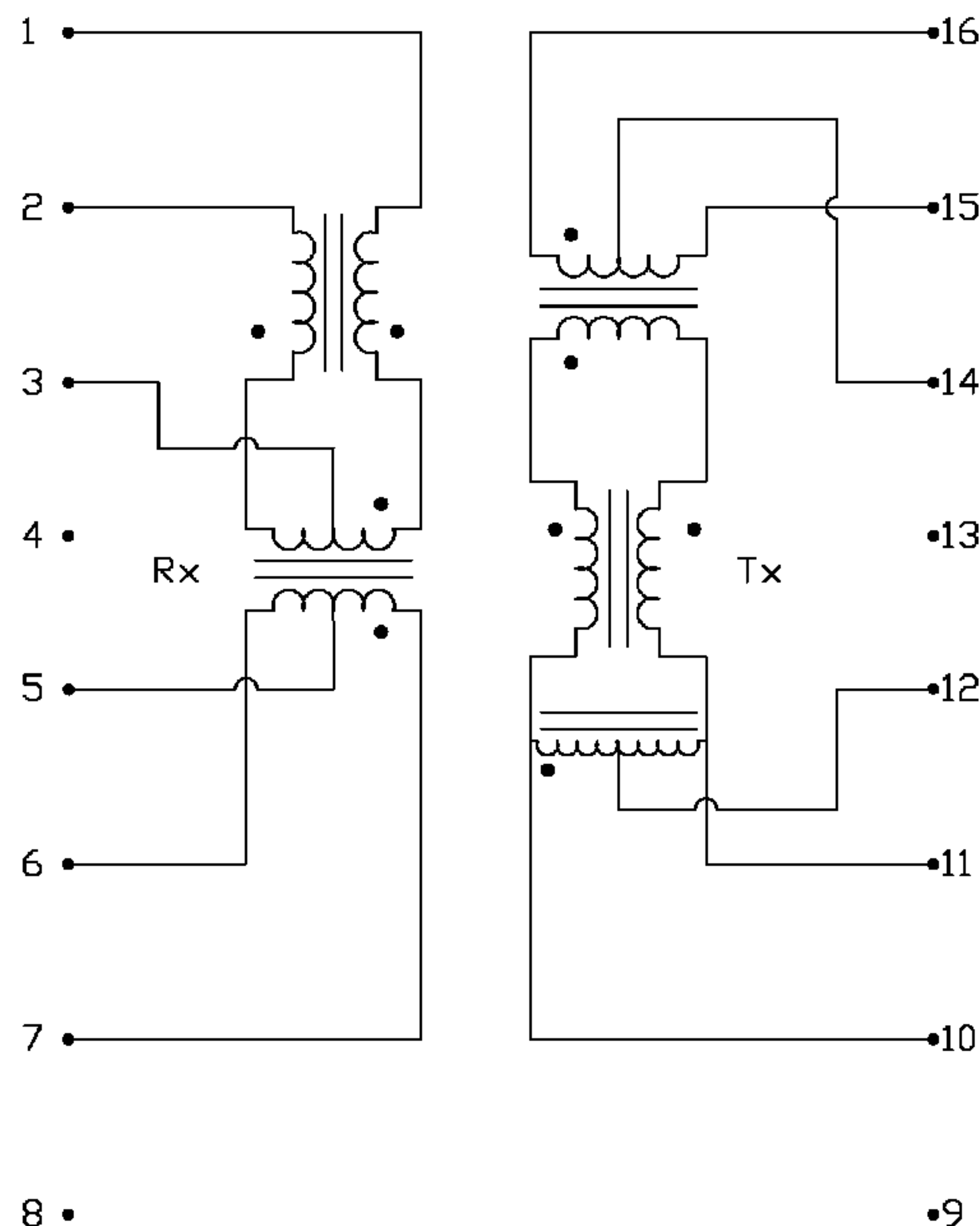




# ELECTRICAL CHARACTERISTICS @ 25°C

## SCHEMATIC



## URNS RATIO

1CT : 1CT

Rx (1-3-2) : (7-5-6)  
Tx (16-14-15) : (10-12-11)

## PHASING

1 TO 7 AND 16 TO 10 IN PHASE

DCL (-40°C TO +85°C)  
(7-6) OPEN 1-2  
(10-11) OPEN 16-15

350μH MIN  
AT 100kHz 100mVrms  
WITH 8mA DC BIAS

## INSERTION LOSS

1.0dB MAX  
AT 100kHz TO 80MHz

RETURN LOSS  
MEASURED UNDER 100 Ω  
ENVIRONMENT (16-15) TO (10-11)  
(7-6) TO (1-2)

| FREQ(MHz) | 2  | 10 | 30 | 45 | 60 | 80 |
|-----------|----|----|----|----|----|----|
| dB MIN    | 20 | 20 | 19 | 16 | 13 | 12 |

RETURN LOSS  
MEASURED UNDER 25 AND 100 Ω  
IMPEDANCE ENVIRONMENT ACROSS  
(16-14) AND (10-11)  
RESPECTIVELY

17dB MIN AT 5MHz & 10MHz

## CMDR

40dB MIN AT 100kHz TO 50MHz  
30dB MIN ABOVE 50M TO 100MHz

## CROSSTALK

30dB MIN AT 100kHz TO 100MHz

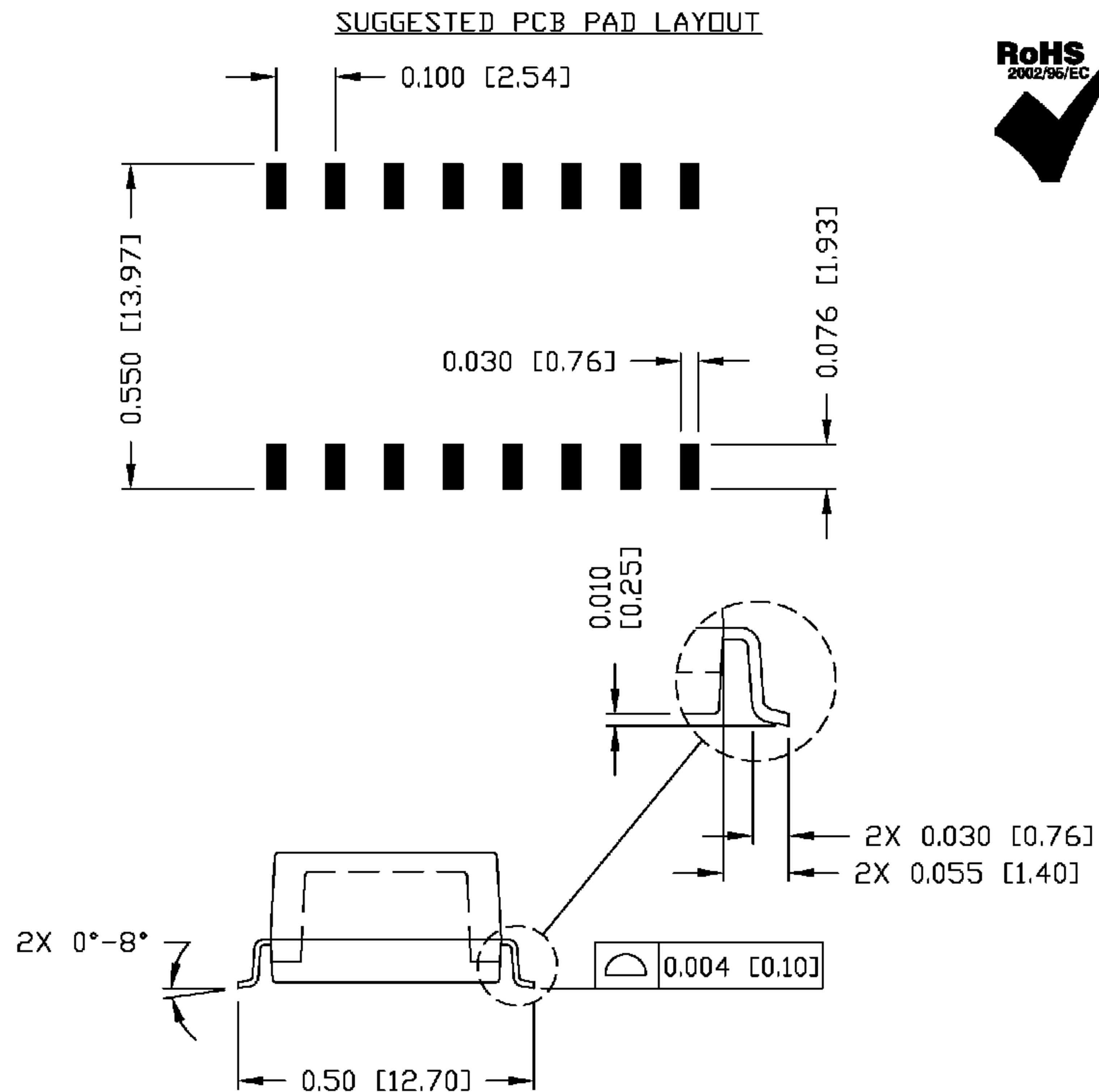
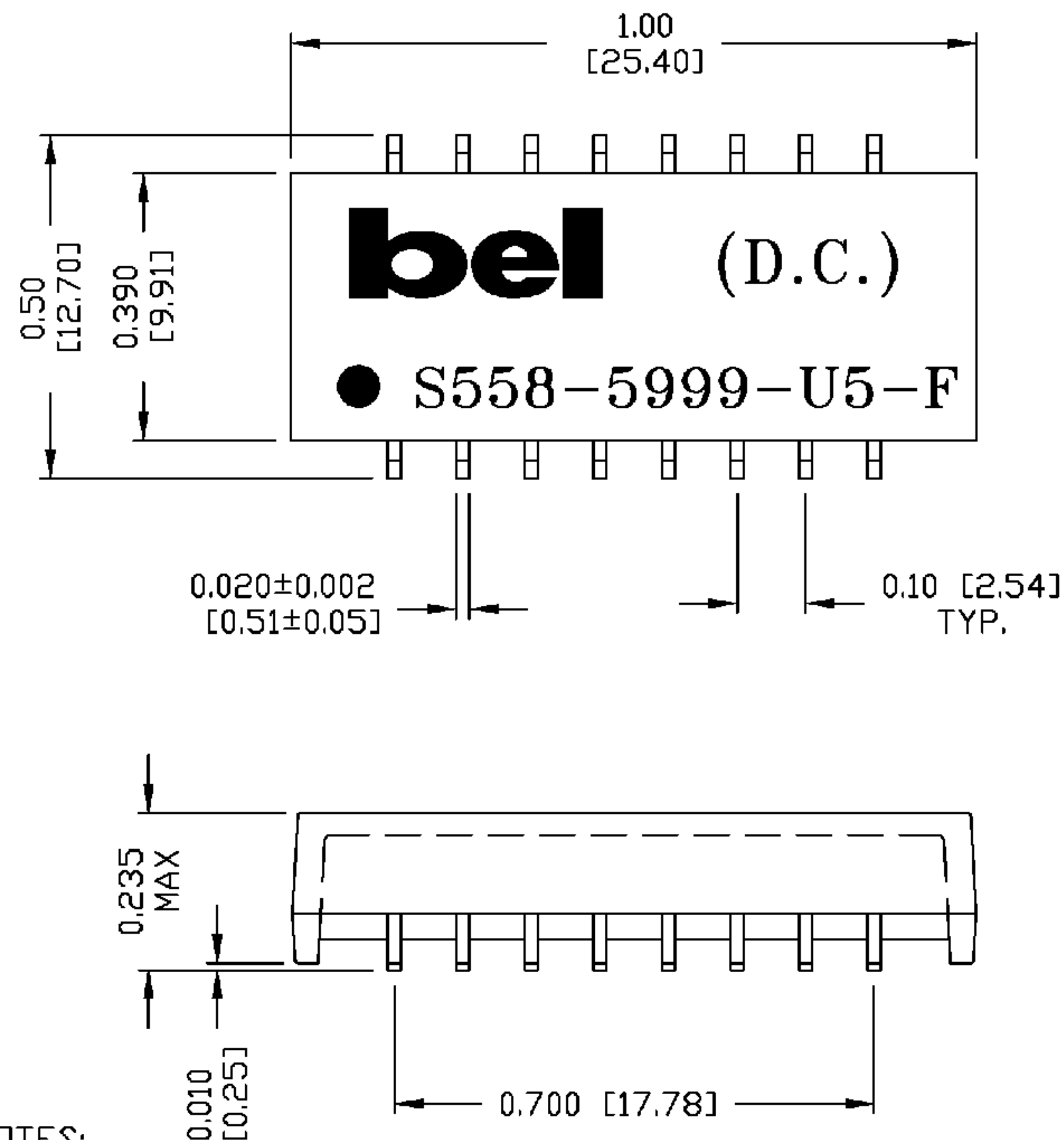
## HIPOT

PER HAND-WORK-03

| ORIGINATED BY | DATE     | TITLE                     | PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE |
|---------------|----------|---------------------------|------------------------|-------------------------------|------------------------------|
| HD            | 02-22-06 | 10/100BT MAGNETICS MODULE | X5585999U5-F           | .X                            | UNIT : INCH [mm] REV. : A    |
| DRAWN BY      | DATE     | S558-5999-U5-F            | FILE NAME              | .XX                           | SCALE : N/A SIZE : A4        |
| DQ Chen       | 02-22-06 |                           | X5585999U5FA.DWG       | .XXX                          | PAGE : 2                     |



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# NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "RNS001".

| ORIGINATED BY | DATE     | TITLE              | PART NO. / DRAWING NO. | STANDARD DIM.<br>TOL. IN INCH | [ ] METRIC DIM. AS REFERENCE |           |
|---------------|----------|--------------------|------------------------|-------------------------------|------------------------------|-----------|
| HD            | 02-22-06 | MECHANICAL DRAWING | X5585999U5-F           | .X                            | UNIT : INCH [mm]             | REV. : A  |
| DRAWN BY      | DATE     |                    | FILE NAME              | .XX                           | SCALE : N/A                  | SIZE : A4 |
| DQ Chen       | 02-22-06 | S558-5999-U5-F     | X5585999U5FA.DWG       | .XXX                          | ±0.01                        | PAGE : 3  |
|               |          |                    |                        |                               | ±0.005                       |           |

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