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ELECTRICAL CHARACTERISTICS @ 25°C

RoHS
2002/96/EC



URNS RATIO

Tx (1-3-2) : (12-11)
Rx (5-4-6) : (8-9-7)

1CT : 1
1CT : 1CT

PHASING

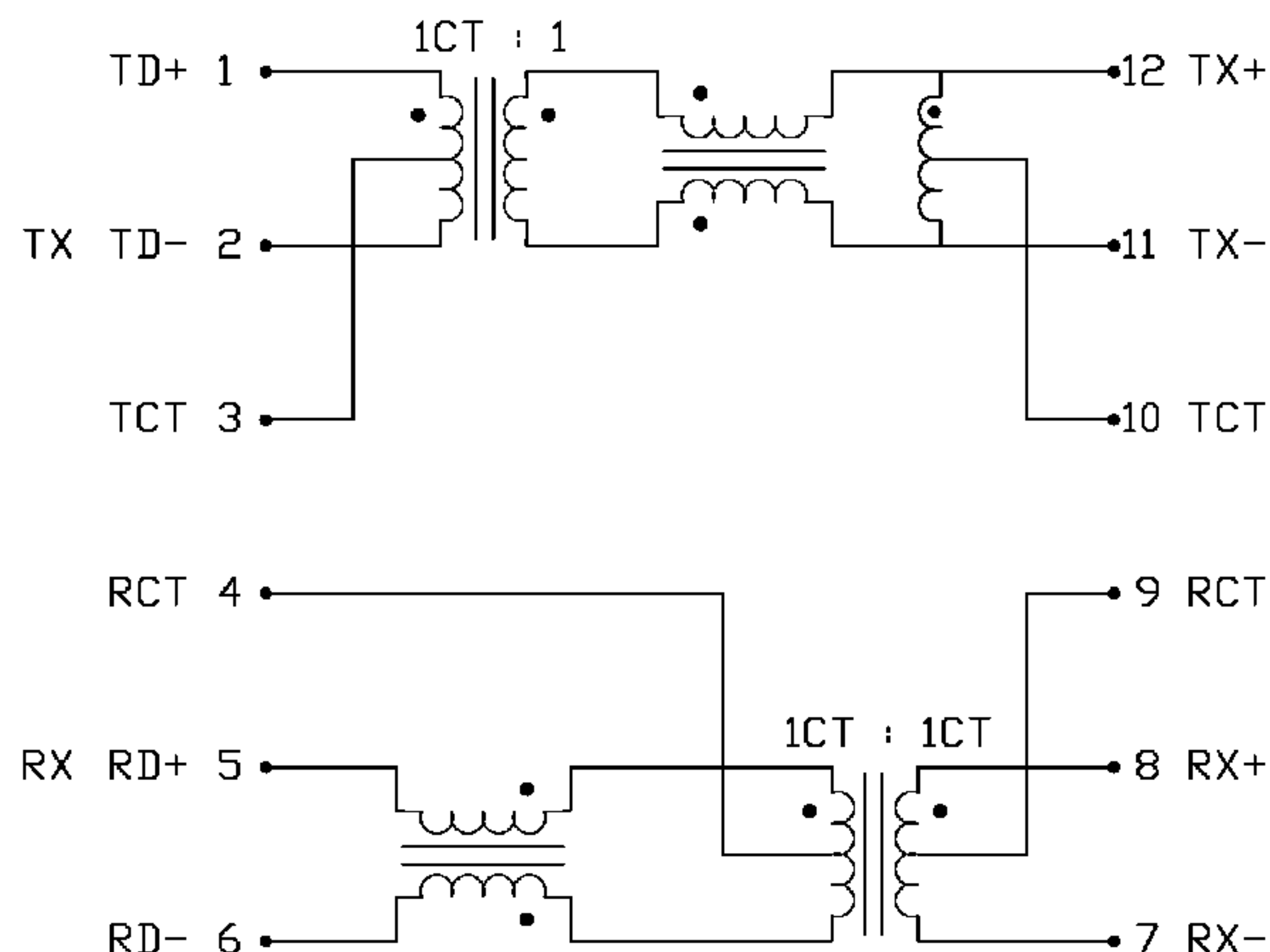
1 TO 12 ; 5 TO 8

CL

Tx (12-11)
Rx (8-7)

400uH MIN. @ 100kHz, 100mV
WITH 8mA DC BIAS

SCHEMATIC



INSERTION LOSS

RECEIVE

100kHz - 60MHz	0.6dB MAX.
60MHz - 100MHz	1.0dB MAX.
100MHz - 140MHz	3.0dB MAX.

TRANSMIT

100kHz - 10MHz	0.5dB MAX.
10MHz - 60MHz	0.6dB MAX.
60MHz - 100MHz	1.0dB MAX.
100MHz - 140MHz	3.0dB MAX.

RETURN LOSS

UNDER 100 Ohms ±15 ENVIRONMENT

1MHz - 30MHz	18dB MIN.
30MHz - 60MHz	16dB MIN.
60MHz - 80MHz	12dB MIN.

COMMON TO COMMON MODE REJ

100kHz - 30MHz	50dB MIN.
30MHz - 100MHz	30dB MIN.

CROSSTALK

100kHz	35dB MIN.
1MHz	50dB MIN.
30MHz - 60MHz	40dB MIN.
100MHz	35dB MIN.

DIFF TO COM MODE REJ

30MHz	42dB MIN.
60MHz	37dB MIN.
100MHz	33dB MIN.
200MHz	25dB MIN.

HIPOT

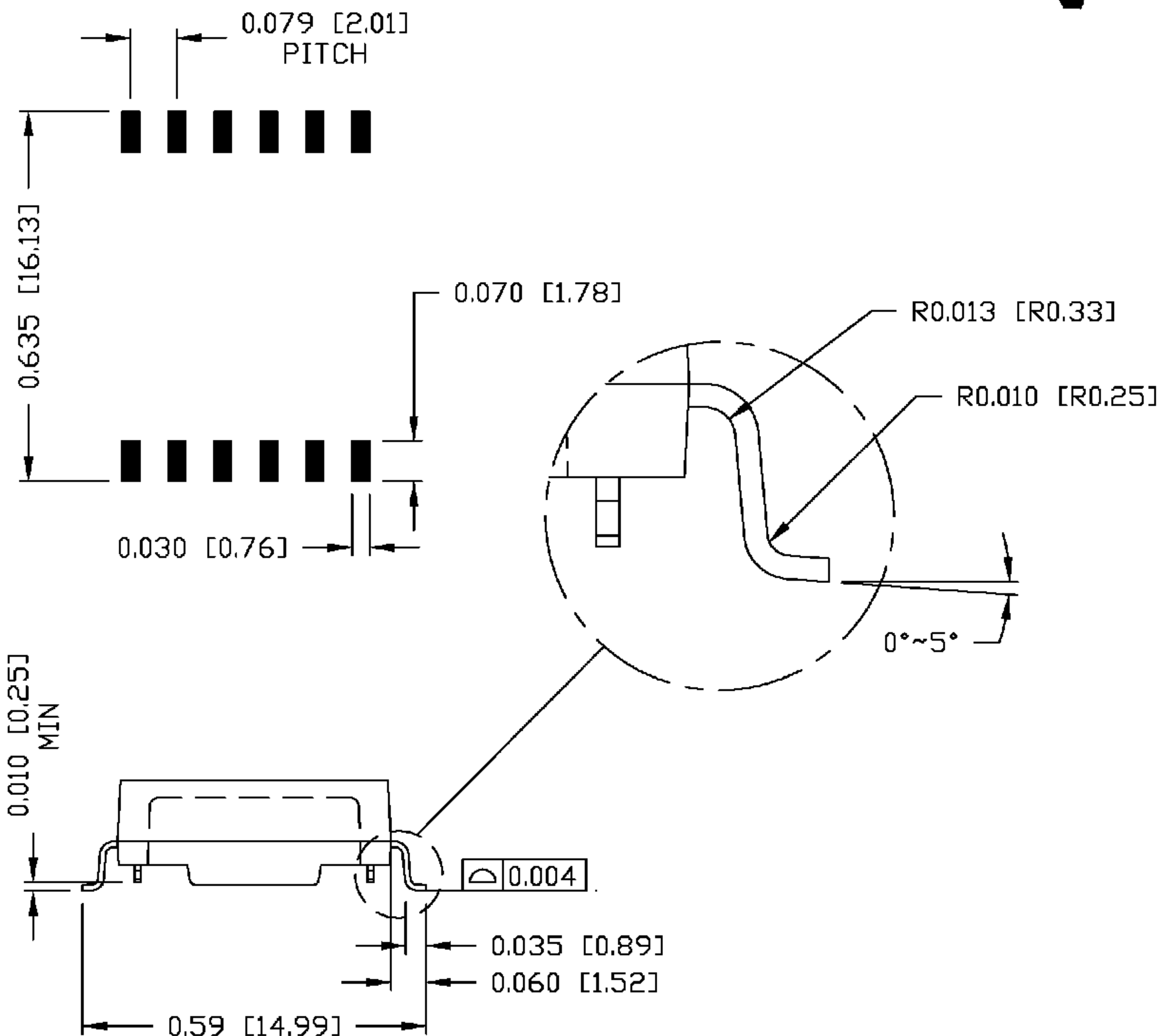
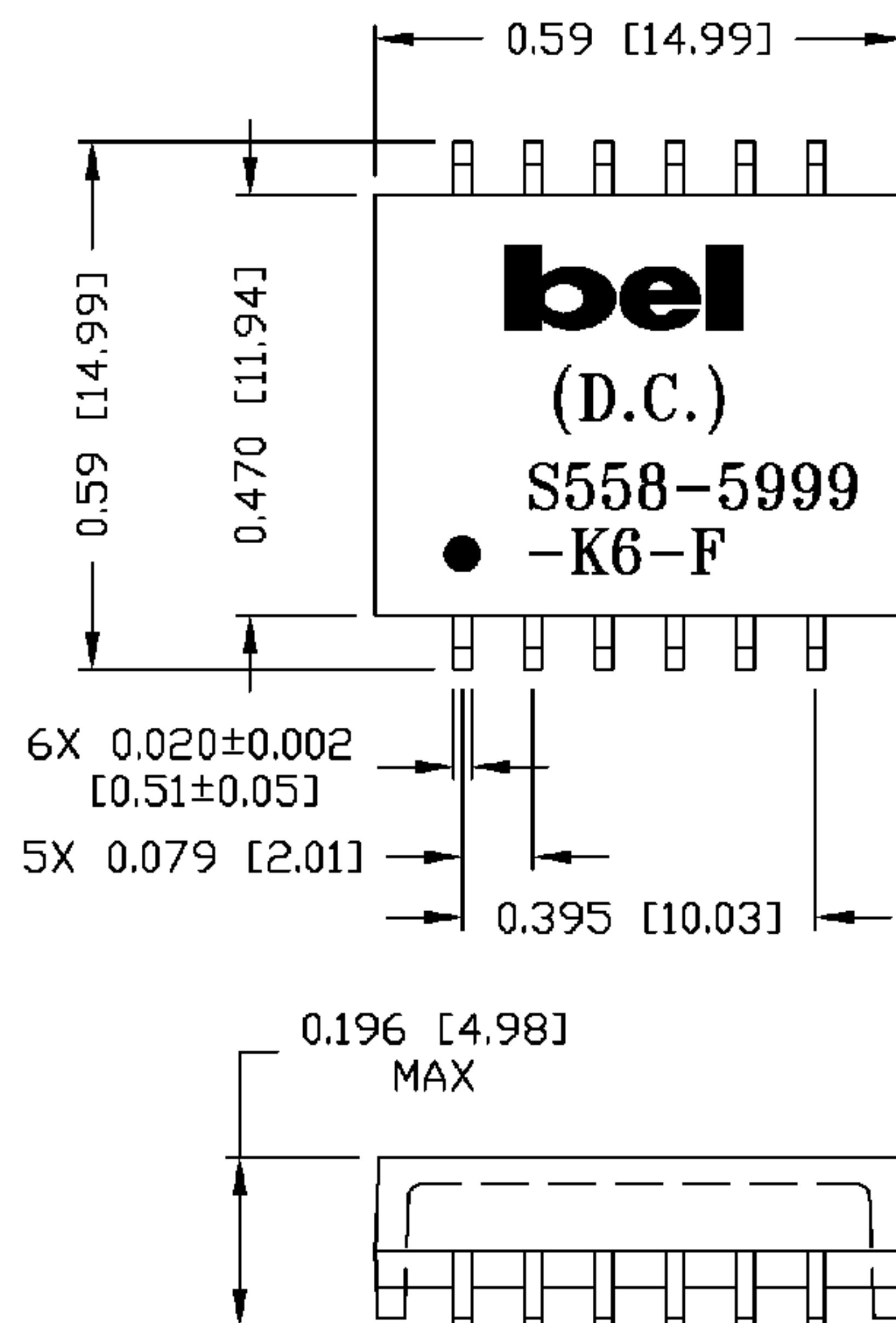
PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
HD	06-07-05	10/100BT MAGNETICS MODULE S558-5999-K6-F	X5585999K6-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
DQ Chen	06-07-05		X5585999K6FA.DWG	.XX .XXX		PAGE : 2

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SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DDC. HAND-WORK-04.
2. PACKAGE CODE: "RTS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
HD	06-07-05	MECHANICAL OUTLINE	X5585999K6-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE	S558-5999-K6-F	FILE NAME	.X	SCALE : N/A	SIZE : A4
DQ Chen	06-07-05		X5585999K6FA.DWG	.XX ±0.01		PAGE : 3
				.XXX ±0.005		