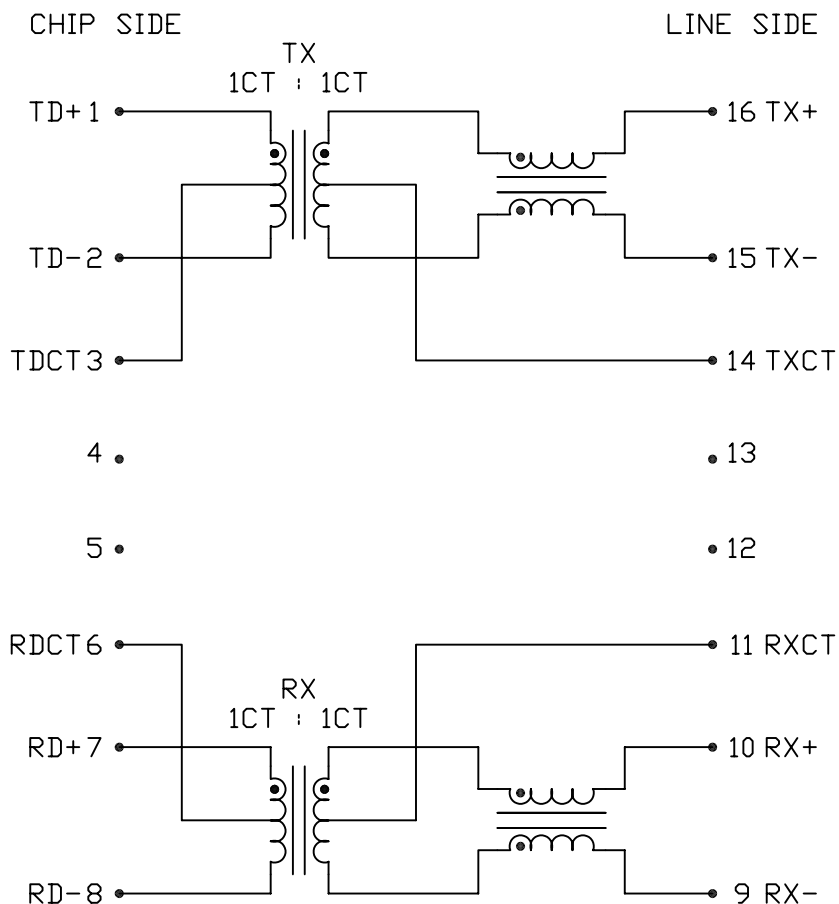


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

ELECTRICAL CHARACTERISTICS @ 25°C



SCHEMATIC



URNS RATIO

Tx (1-3-2) : (16-14-15)
Rx (7-6-8) : (10-11-9)

1CT : 1CT
1CT : 1CT

POLARITY

PER DOT CONVENTION

OCL

1-2 = 7-8

350μH MIN
@100kHz, 100mV W/8mA DC BIAS

LEAKAGE INDUCTANCE, L_e
CHIP SIDE WITH LINE SIDE SHORT

0.4μH MAX
@1MHz, 20mV

INTERWINDING CAPACITANCE, C_w/w
CHIP SIDE TO LINE SIDE

25pF MAX
@1MHz, 20mV

DC RESISTANCE
(1-2) = (7-8)

1.3Ω MAX

INSERTION LOSS
@100kHz TO 80MHz

1.0dB MAX

RETURN LOSS (UNDER 100Ω ±15% ENVIRONMENT)
@0.5 TO 30 MHz
@30 TO 60 MHz
@60 TO 80 MHz

16dB MIN
16-20LOG(f/30MHz) dB MIN
10dB MIN

COMMON TO COMMON MODE ATTENUATION
@0.1 TO 80 MHz
@80 TO 125 MHz
@125 TO 250 MHz

38dB MIN
30dB MIN
10dB MIN

CROSSTALK
@0.1 TO 80 MHz
@80 TO 125 MHz
@125 TO 250 MHz

38dB MIN
30dB MIN
10dB MIN

COMMON TO DIFFERENTIAL MODE ATTENUATION
@0.1 TO 80 MHz
@80 TO 125 MHz
@125 TO 250 MHz

38dB MIN
30dB MIN
10dB MIN

HIPOT

1500Vrms

OPERATING TEMPERATURE -40°C TO +85°C

REV. : C

PAGE : 2

ORIGINATED BY		DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.	
Alice Pang		2015-01-26		X5585999W2-F	TOL. IN INCH		UNIT : INCH [mm]	
DRAWN BY		DATE		FILE NAME	.X		SCALE : N/A	
ZC Guo		2015-01-26			X5585999W2FC.DWG		.XX	SIZE : A4
				.XXX				

bel

POWER | PROTECT | CONNECT

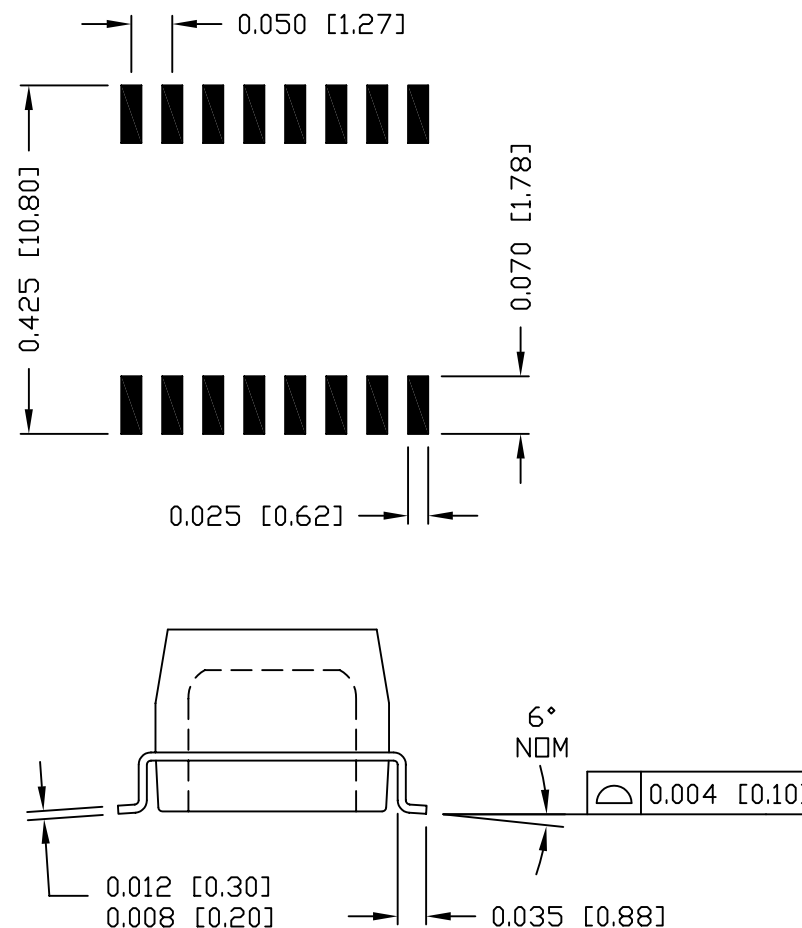
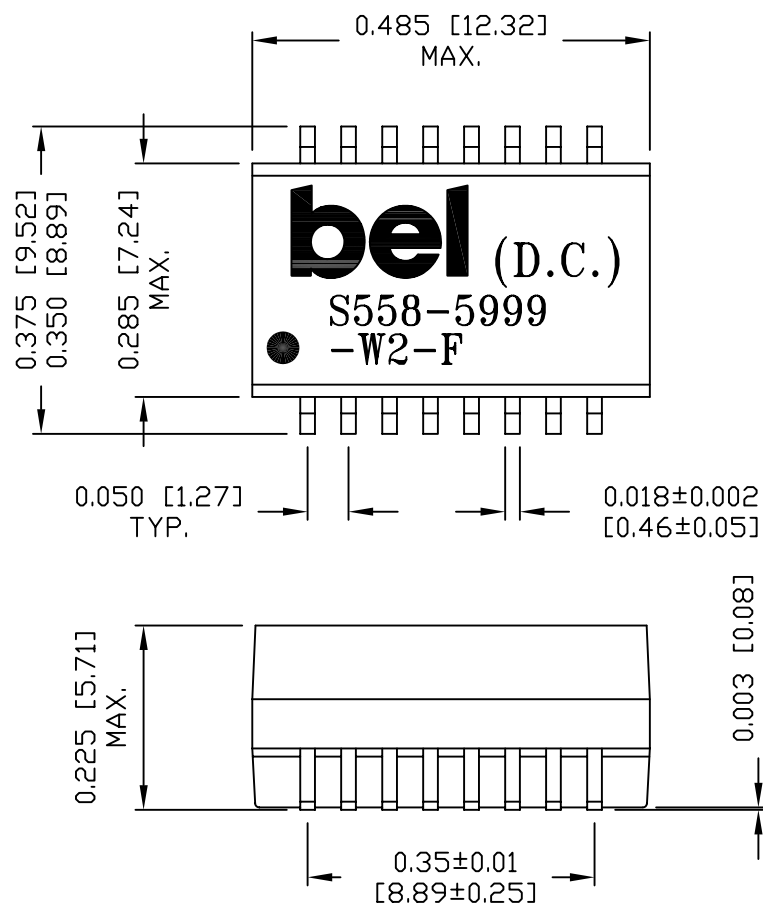


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS



SUGGESTED PCB PAD LAYOUT



NOTES:

- STANDARD MARKING REFER TO DDC. HAND-WORK-04.
- PACKAGE CODE: "QBS001".

REV. : C PAGE : 3

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.
Lawrence Tsang	2015-01-26	MECHANICAL DRAWING S558-5999-W2-F	X5585999W2-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
ZC Guo	2015-01-26		X5585999W2FC.DWG	.XX ±0.01	SIZE : A4
				.XXX ±0.005	

