

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.

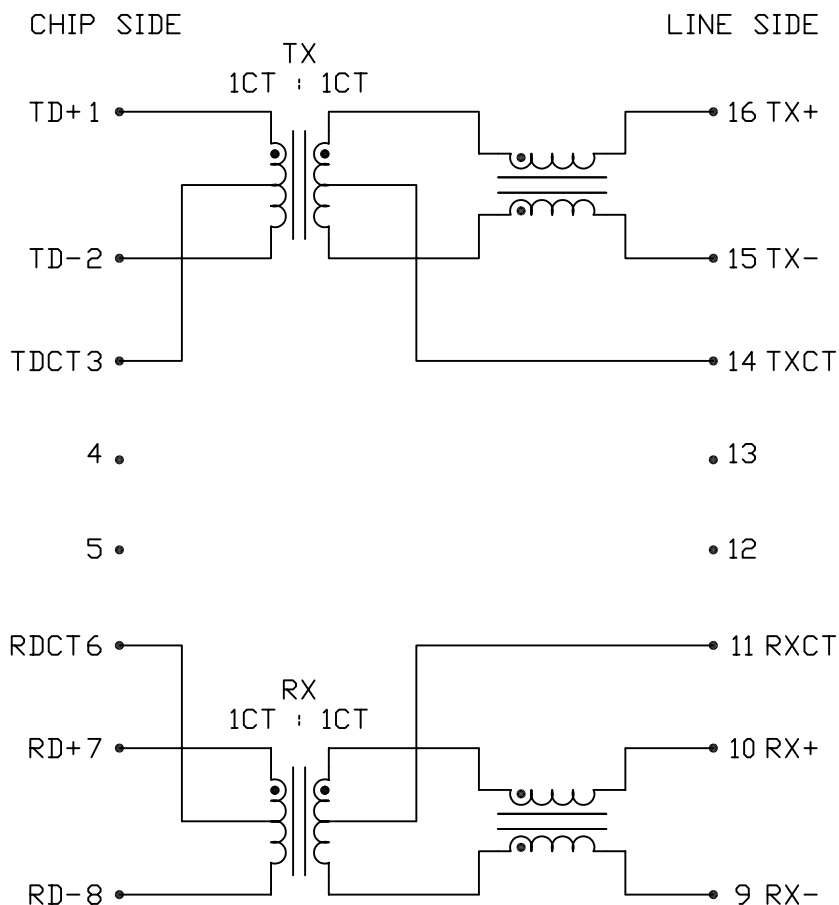
PRELIMINARY

ELECTRICAL CHARACTERISTICS @ 25°C

RoHS



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

DCL

1-2 = 7-8

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

LEAKAGE INDUCTANCE, Le
CHIP SIDE WITH LINE SIDE SHORT

0.4μH MAX
@1MHz, 20mV

INTERWINDING CAPACITANCE, Cw/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

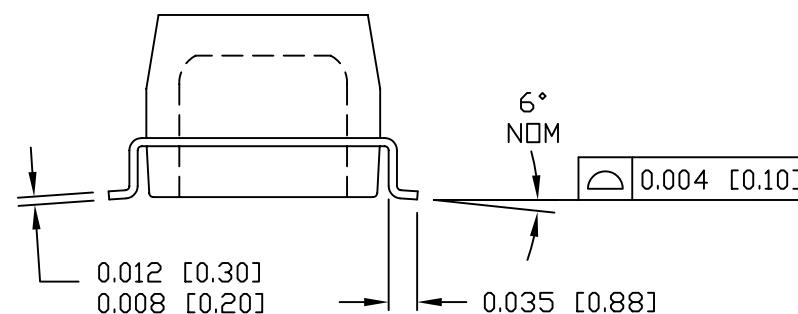
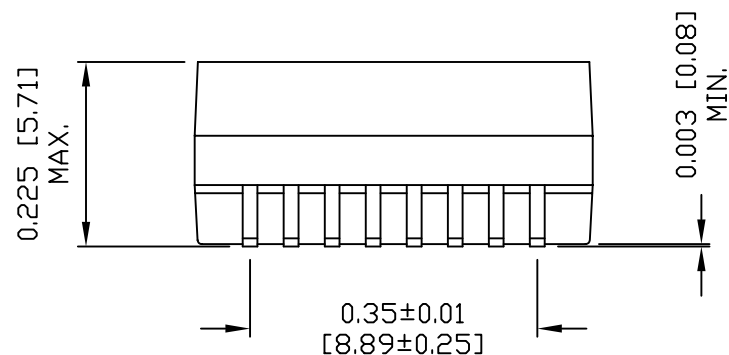
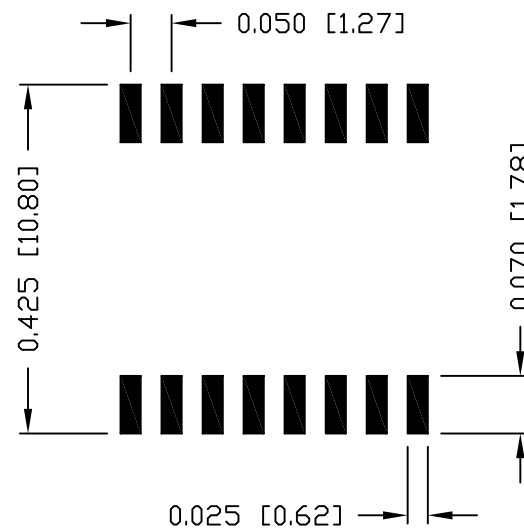
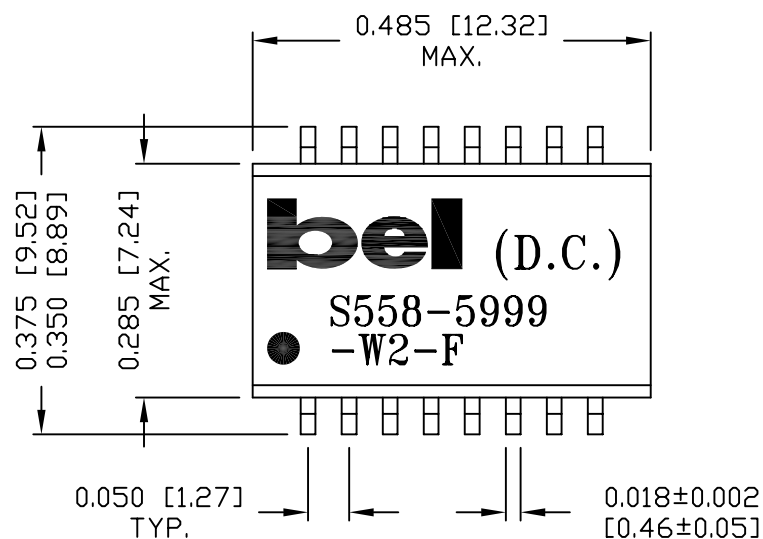
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CH Chan	2013-05-03	10/100BASE-T MODULE S558-5999-W2-F	X5585999W2-F	.X	UNIT : INCH [mm] REV. : PB
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
ZC Guo	2013-05-03		X5585999W2FPB.DWG	.XXX	PAGE : 2



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.

PRELIMINARY

SUGGESTED PCB PAD LAYOUT



NOTES:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PB
Lawrence Tsang	2013-05-03	MECHANICAL DRAWING	X5585999W2-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE	S558-5999-W2-F	FILE NAME	.XX	±0.01		PAGE : 3
				.XXX	±0.005		
ZC Guo	2013-05-03		X5585999W2FPB.DWG				



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com