

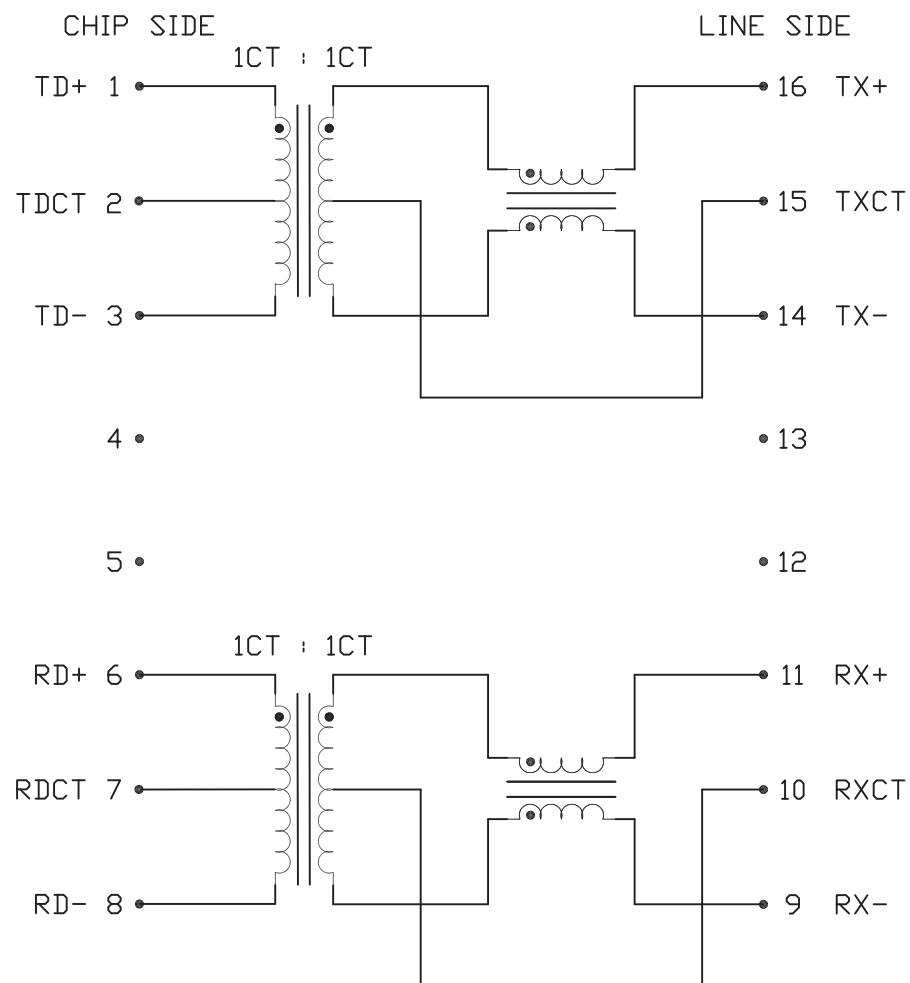
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ELECTRICAL CHARACTERISTICS @25°C

RoHS



SCHEMATIC



NOTES :

THIS PRODUCT HAS BEEN SUPPLYING TO JAPAN CUSTOMERS.
PCN PROCESS NEEDS TO COMPLY WITH 4M CRITERIA.

TURNS RATIO

1-2-3 : 16-15-14
6-7-8 : 11-10-9

POLARITY

□CL

Tx PIN 1-3
Rx PIN 6-8

LEAKAGE INDUCTANCE, L_e

CHIP SIDE WITH LINE SIDE SHORT

INTERWINDING CAPACITANCE, C_w/w

CHIP SIDE TO LINE SIDE

DC RESISTANCE

PIN (1-3) = (6-8)

INSERTION LOSS

300kHz - 80MHz

RETURN LOSS

300kHz - 30MHz
30MHz - 60MHz
60MHz - 80MHz

COMMON TO COMMON MODE REJ

300kHz - 100MHz

COMMON TO DIFFERENTIAL MODE REJ

300kHz - 100MHz

CROSSTALK

300kHz - 100MHz

HIPOT

OPERATING TEMPERATURE -40°C TO +85°C

1CT : 1CT
1CT : 1CT

PER DOT CONVENTION

350μH MIN
@100kHz, 100mVrms
w/8mA DC BIAS

0.3μH MAX
@1MHz, 20mVrms

30pF MAX
@1MHz, 20mVrms

1.10hm MAX

1.0dB MAX

18dB MIN
18-20LOG(F/30MHz) dB MIN
12dB MIN

40dB TYP

40dB MIN

40dB MIN

1500Vrms

REV. : F

PAGE : 2

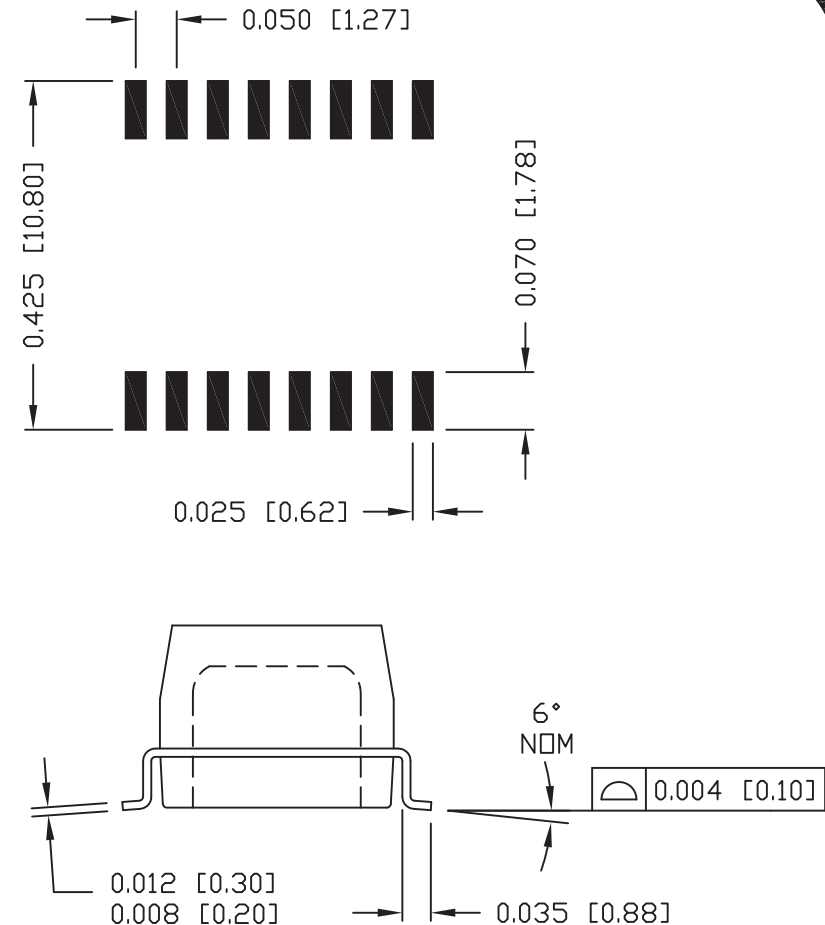
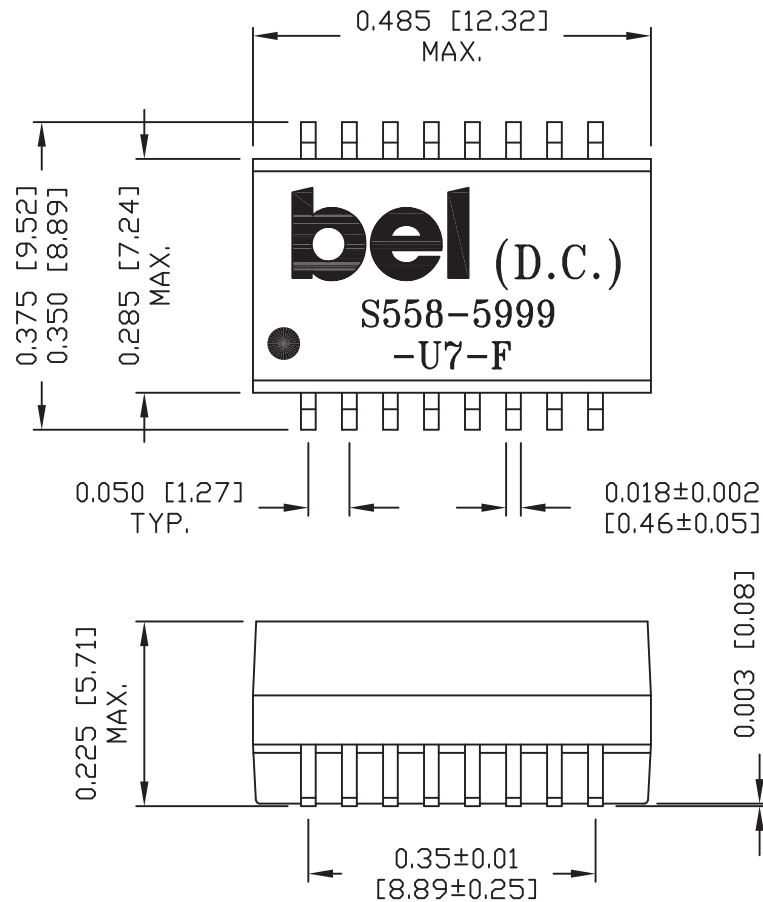
ORIGINATED BY	DATE	TITLE 10/100BT MAGNETICS MODDLE S558-5999-U7-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
Alice Pang	2015-07-16		X5585999U7-F	TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		
ZC Guo	2015-07-16		X5585999U7FF.DWG	.XX		SIZE : A4		
			.XXX					

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RoHS



SUGGESTED PCB PAD LAYOUT



NOTES :

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "QBS001".
3. THIS PRODUCT HAS BEEN SUPPLYING TO JAPAN CUSTOMERS. PCN PROCESS NEEDS TO COMPLY WITH 4M CRITERIA.

REV. : F	PAGE : 3
POWER PROTECT CONNECT	

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.
Lawrence Tsang	2015-07-16	MECHANICAL DRAWING S558-5999-U7-F	X5585999U7-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
ZC Guo	2015-07-16		X5585999U7FF.DWG	.XX ±0.01	SIZE : A4
				.XXX ±0.005	