

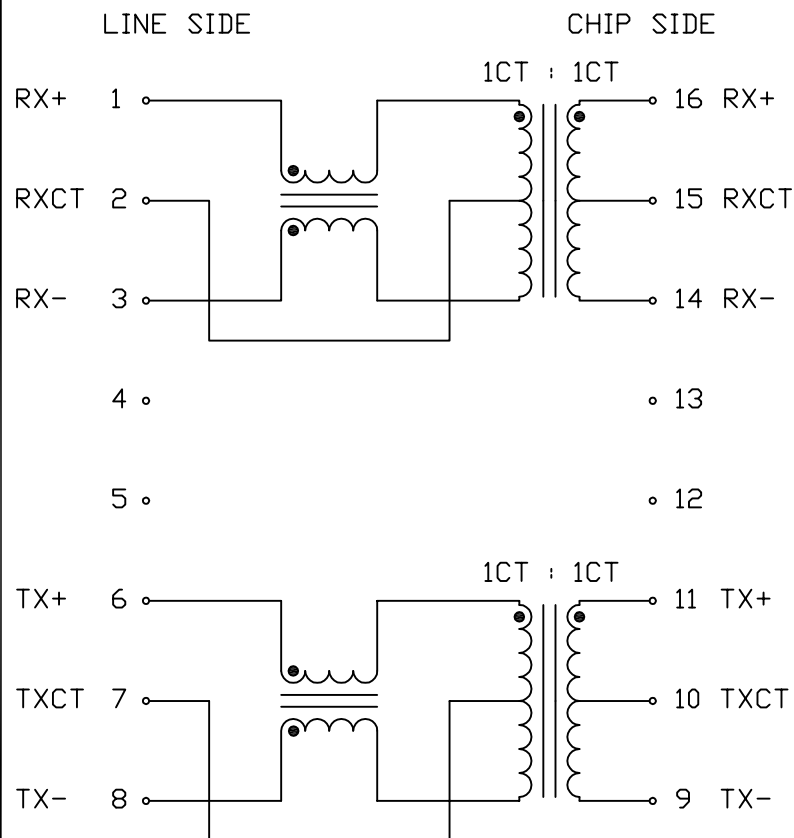
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ELECTRICAL CHARACTERISTICS @25°C

RoHS



SCHEMATIC



URNS RATIO

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

1CT : 1CT
1CT : 1CT

POLARITY

PER DOT CONVENTION

DCL

PIN 16-14
PIN 11-9

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

LEAKAGE INDUCTANCE, Le

CHIP SIDE WITH LINE SIDE SHORT

0.3μH MAX
@1MHz, 20mVrms

INTERWINDING CAPACITANCE, Cw/w

LINE SIDE TO CHIP SIDE

30pF MAX
@1MHz, 20mVrms

INSERTION LOSS

300kHz-100MHz

1.0dB MAX

RETURN LOSS

1MHz-30MHz
30-60MHz
60-80MHz

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

CROSSTALK

300kHz-100MHz

35dB MIN

CM TO CM MODE REJ

300kHz-100MHz

30dB MIN

CM TO DM MODE REJ

300kHz-100MHz

40dB MIN

HIPOT

LEAKAGE CURRENT LESS THAN 1mA AT 1500VAC

OPERATING TEMPERATURE -40°C TO +85°C

ORIGINATED BY	DATE	TITLE 10/100BT MAGNETICS MODULE S558-5999-T7-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REF.		 POWER PROTECT CONNECT
Alice Pang	2021-01-27		S558-5999-T7-F	TOL. IN INCH		UNIT : INCH [mm]		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A		
ZC Guo	2021-01-27		S5585999T7FA.DWG	.XX		SIZE : A4		
				.XXX				

DC002(2)120214

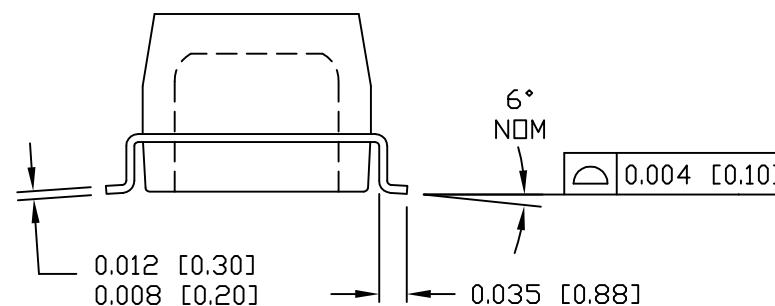
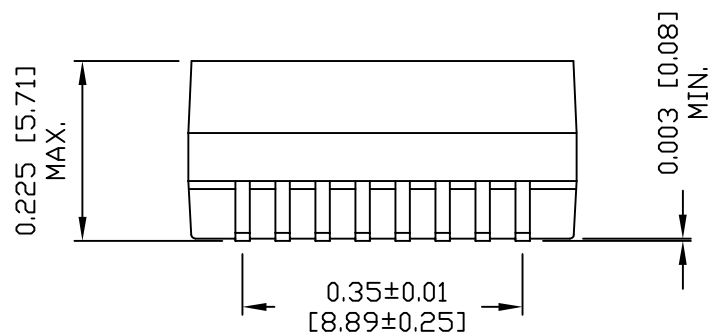
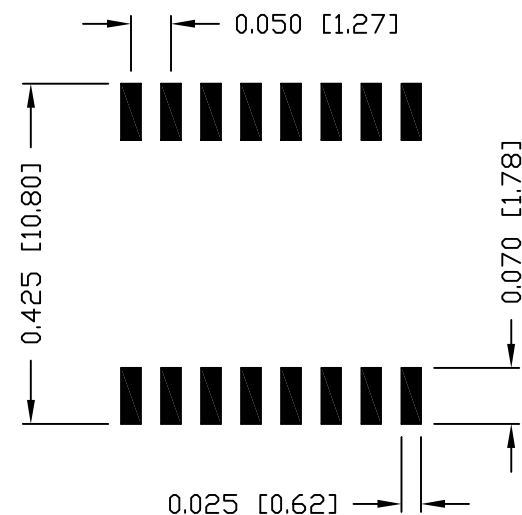
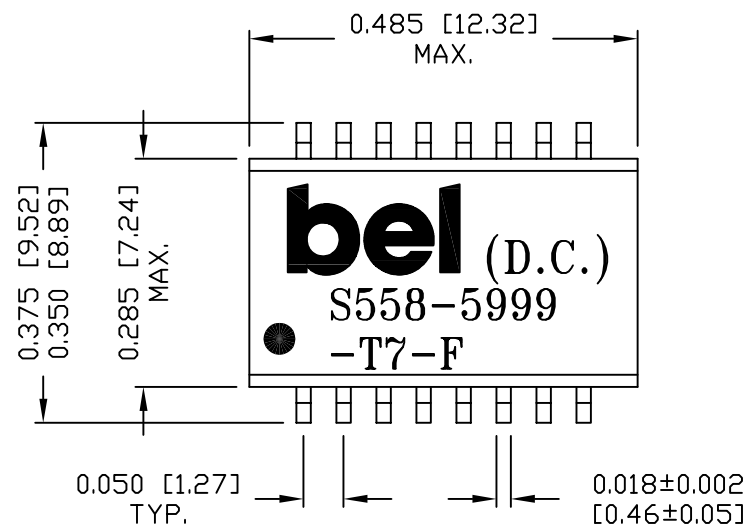
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RoHS



SUGGESTED PCB PAD LAYOUT



NOTES:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REF.	REV. : A	PAGE : 3
Lawrence Tsang	2021-01-27	MECHANICAL DRAWING S558-5999-T7-F	S558-5999-T7-F	TOL. IN INCH	UNIT : INCH [mm]	 POWER PROTECT CONNECT	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		
ZC Guo	2021-01-27		S5585999T7FA.DWG	.XX ±0.01	SIZE : A4		
				.XXX ±0.005			

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