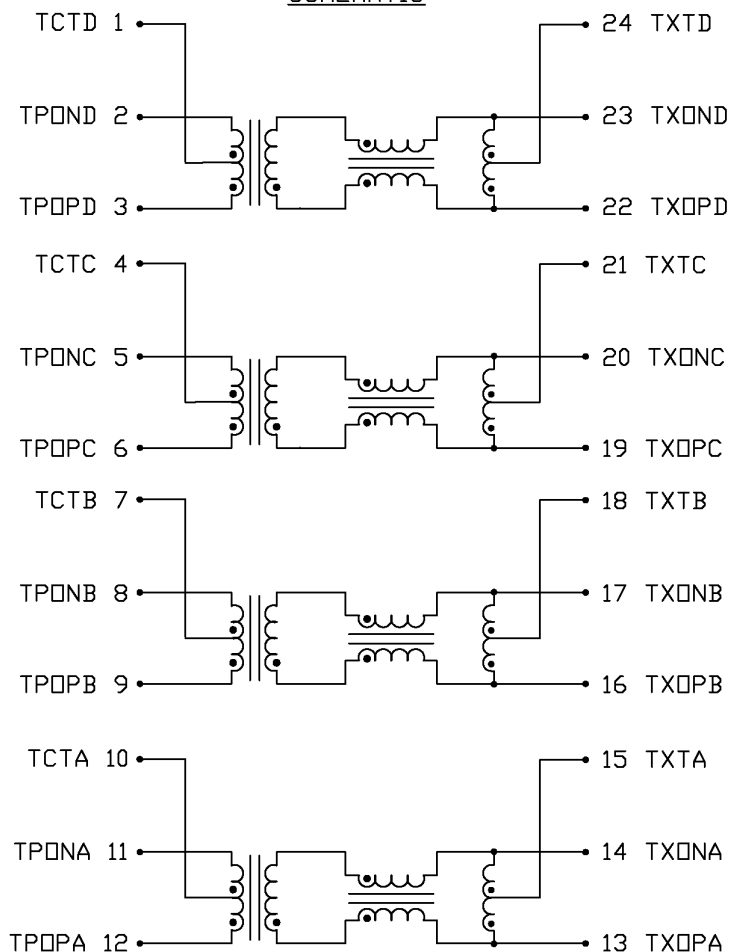


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ELECTRICAL CHARACTERISTICS

SCHEMATIC



URNS RATIO

PIN(3-1-2) : (22-24-23)
PIN(6-4-5) : (19-21-20)
PIN(9-7-8) : (16-18-17)
PIN(12-10-11) : (13-15-14)

1CT : 1CT
1CT : 1CT
1CT : 1CT
1CT : 1CT

DCL

-40°C TO +85°C

350μH MIN. AT 100kHz, 100mV
WITH 8mA DC BIAS

INSERTION LOSS

1.1dB MAX. @ 0.1 MHz
0.5dB MAX. @ 1 MHz
0.8dB MAX. @ 65 MHz
1.0dB MAX. @ 100 MHz
1.5dB MAX. @ 125 MHz

RETURN LOSS

UNDER 100 OHMS
±15% ENVIRONMENT

18dB MIN. @ 0.5 TO 40 MHz
12-20LOG (f/80 MHz) dB MIN.
@ 40 TO 100 MHz

COMMON TO COMMON REJECTION

30dB MIN. @ 0.1 TO 100 MHz

CROSSTALK

@ 1-100 MHz
33-20LOG (f/100 MHz) dB MIN.

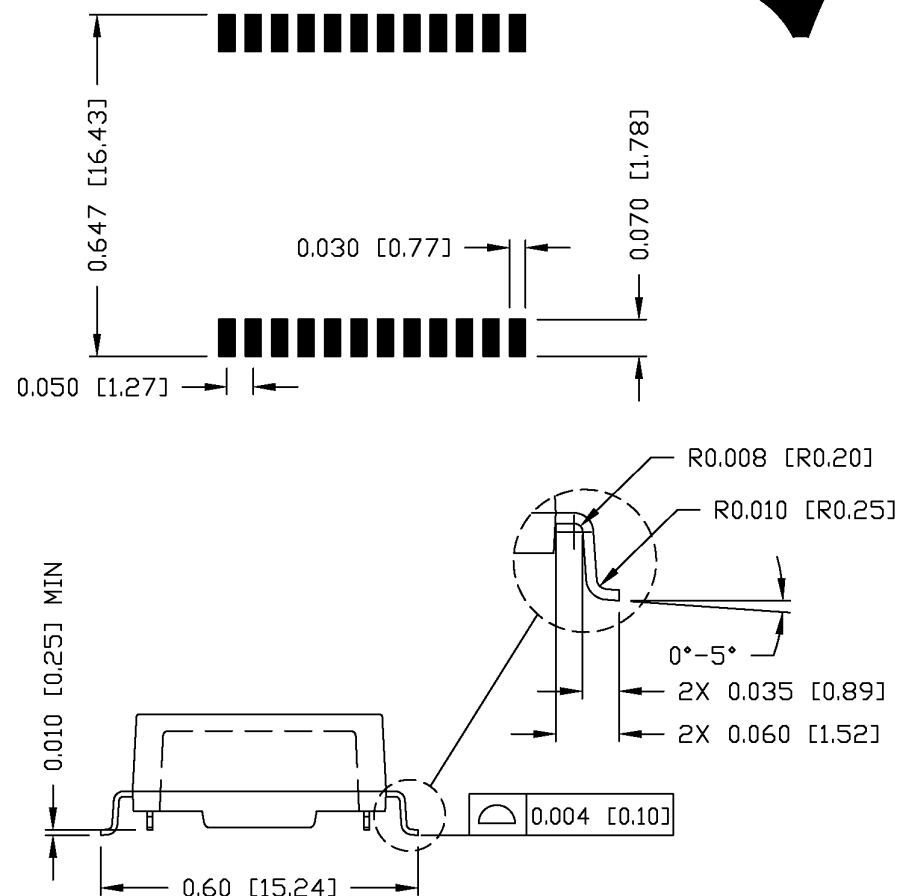
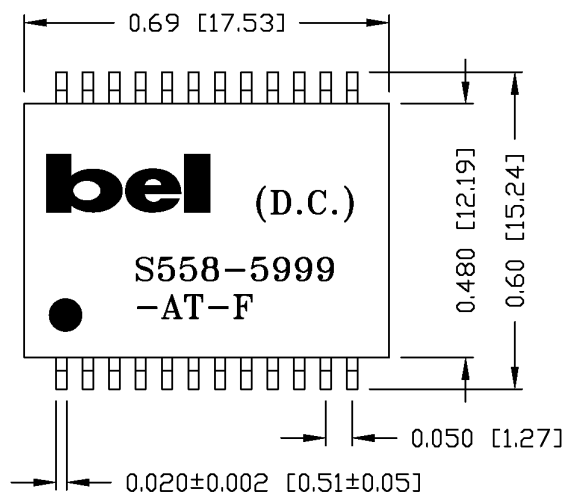
HIPOT

PER HAND-WORK-03

ORIGINATED BY	DATE	TITLE 1000BASE-T MAGNETIC MODULES S558-5999-AT-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET
HQ	04-12-06 <td>X5585999AT-F</td> <th colspan="2">TOL. IN INCH</th> <th>UNIT : INCH [mm]</th> <th>REV. : A</th>		X5585999AT-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DQ Chen	04-12-06		X5585999ATFA.DWG	.XX			PAGE : 2	
			.XXX					

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SUGGESTED PCB PAD LAYOUT



NOTES:

1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.
2. PACKAGE CODE: "RQS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
Lawrence	04-12-06	MECHANICAL DRAWING S558-5999-AT-F	X5585999AT-F	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
DQ Chen	04-12-06		X5585999ATFA.DWG	.XXX	PAGE : 3	

DC002(2)032305

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