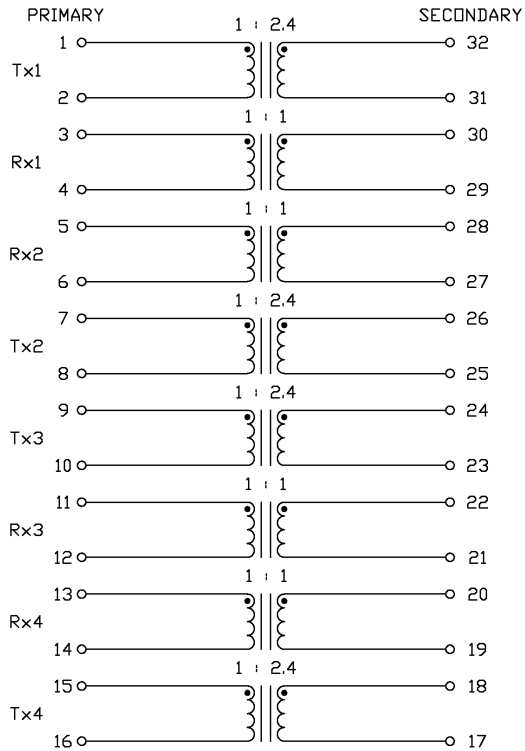


THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



**SCHEMATIC**



**ELECTRICAL CHARACTERISTICS @ 25°C**

**TURNS RATIO**

Tx PRIMARY : SECONDARY 1 : 2.4  
 Rx PRIMARY : SECONDARY 1 : 1

**INDUCTANCE**

Tx PRIMARY 1.0 mH MIN. @10kHz, 10mV  
 AT -40°C 440 μH MIN.  
 Rx PRIMARY 1.8 mH MIN. @10kHz, 10mV  
 AT -40°C 850 μH MIN.

**LEAKAGE INDUCTANCE (Le)**

Tx PRIMARY (WITH SECONDARY SHORTED) 0.30 μH MAX. @1MHz, 20mV  
 Rx PRIMARY (WITH SECONDARY SHORTED) 0.50 μH MAX. @1MHz, 20mV

**INTERWINDING CAPACITANCE (Cw/W)**

Tx PRIMARY - SECONDARY 35pF MAX. @1MHz, 20mV  
 Rx PRIMARY - SECONDARY 35pF MAX. @1MHz, 20mV

**DC RESISTANCE**

Tx PRIMARY 0.60 Ω MAX.  
 Tx SECONDARY 1.40 Ω MAX.  
 Rx PRIMARY & SECONDARY 0.70 Ω MAX.

**HIPOT**

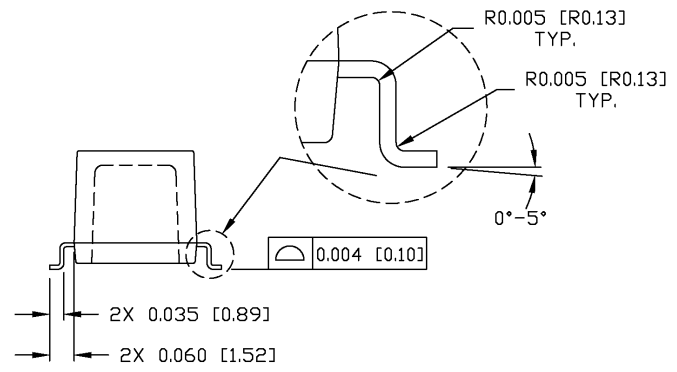
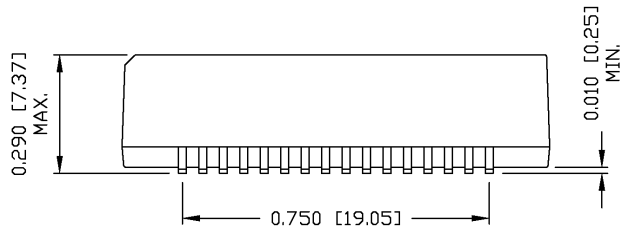
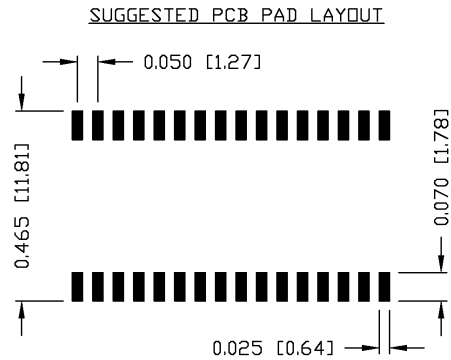
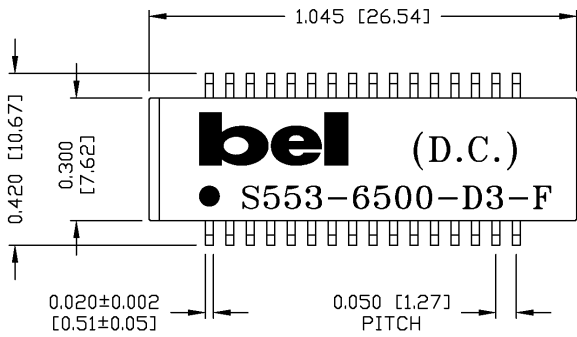
PER HAND-WORK-03

<b>ORIGINATED BY</b>	<b>DATE</b>	<b>TITLE</b> 4-CHANNEL T1/E1 LIU MAGNETICS MODULE S553-6500-D3-F	<b>PART NO. / DRAWING NO.</b>	<b>STANDARD DIM.</b> TOL. IN INCH	<b>[ ] METRIC DIM. AS REFERENCE</b>		
HD	01-25-06		X5536500D3-F		.X	UNIT : INCH [mm]	
<b>DRAWN BY</b>	<b>DATE</b>		<b>FILE NAME</b>	.XX	SCALE : N/A	SIZE : A4	
DQ Chen	01-25-06		X5536500D3FA.DWG	.XXX	SCALE : N/A	SIZE : A4	
						PAGE : 2	

DC002(2)032305

This document is electronically generated. This is a controlled copy if used internally

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.



- NOTES:  
 1. STANDARD MARKING REFER TO DOC. HAND-WORK-04.  
 2. PACKAGE CODE: "RDS001".

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	 COMPONENTS ARE CONNECTED TO A PLANE	
HD	01-25-06	MECHANICAL DRAWING	X5536500D3-F	.X	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE	S553-6500-D3-F	FILE NAME	.XX	SCALE : N/A		SIZE : A4
DQ Chen	01-25-06	X5536500D3FA.DWG		.XXX			PAGE : 3

DC002(2)032305 This document is electronically generated. This is a controlled copy if used internally