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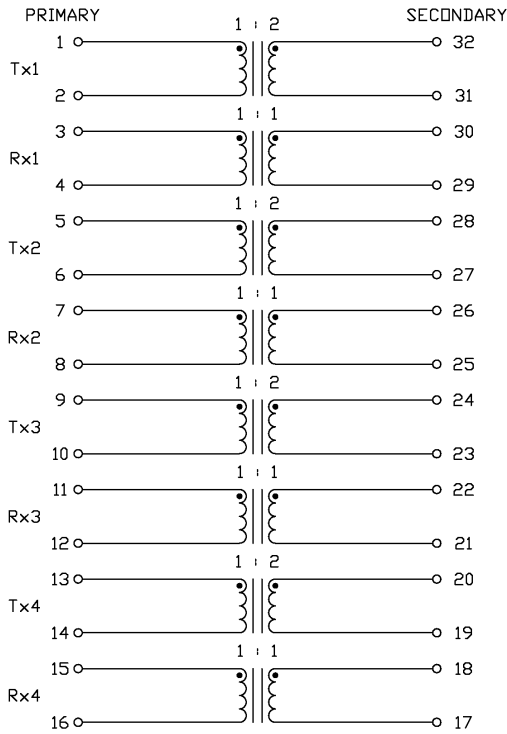
[Bel Fuse Inc.](#)
[S553-6500-C8-F](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

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SCHEMATIC



ELECTRICAL CHARACTERISTICS @ 25°C

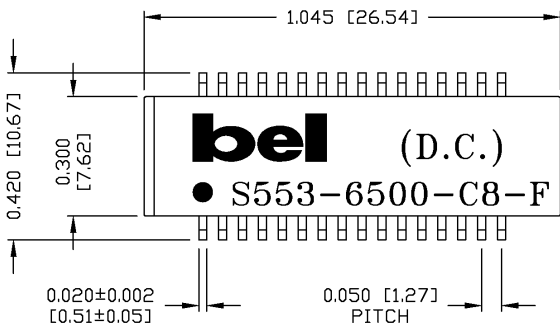
TURNS RATIO	
Tx PRIMARY : SECONDARY	1 : 2
Rx PRIMARY : SECONDARY	1 : 1
INDUCTANCE	
Tx PRIMARY	1.5 mH MIN. @10kHz, 10mV
AT -40°C	640 μH MIN.
Rx PRIMARY	1.8 mH MIN. @10kHz, 10mV
AT -40°C	850 μH MIN.
LEAKAGE INDUCTANCE Le	
Tx PRIMARY (SECONDARY SIDE SHORTED)	0.30 μH MAX. @1MHz, 20mV
Rx PRIMARY (SECONDARY SIDE 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	1.20 Ω MAX.
Rx PRIMARY & SECONDARY	0.60 Ω MAX.
HIPOT	PER HAND-WORK-03

ORIGINATED BY HQ	DATE 04-19-06	TITLE 4-CHANNEL T1/E1 LIU MAGNETICS MODULE S553-6500-C8-F	PART NO. / DRAWING NO. X5536500C8-F	STANDARD DIM. TOL. IN INCH	<input type="checkbox"/> METRIC DIM. AS REFERENCE	COMPONENTS OR A CONNECTED PLANET	
DRAWN BY DQ Chen	DATE 04-19-06		FILE NAME X5536500C8FA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A		REV. : A SIZE : A4
							PAGE : 2

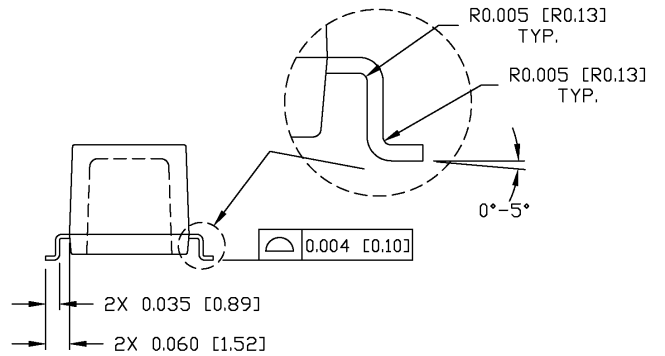
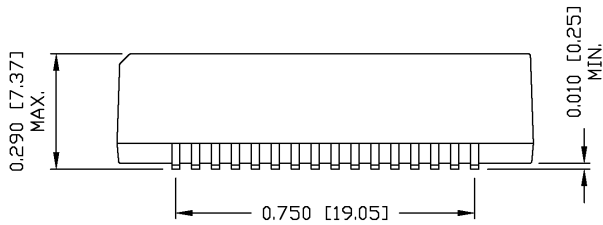
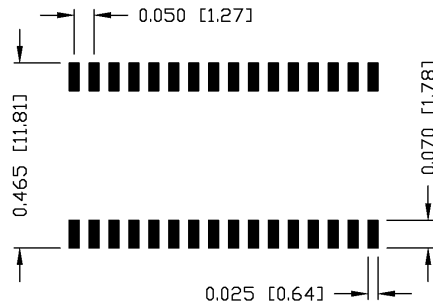
DC002(2)032305

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SUGGESTED PCB PAD LAYOUT



NOTES:

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

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	 COMPONENTS AS A CONNECTED PLANET	
HO	04-19-06	MECHANICAL DRAWING S553-6500-C8-F	X5536500C8-F	.X	UNIT : INCH [mm]		REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A		SIZE : A4
DQ Chen	04-19-06	X5536500C8FA.DWG	.XXX	±0.005	PAGE : 3		

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