

REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	06/08/10

PAGE 4&5 ARE FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION
824-00394F	RoHS compliant per EU Directive 2002/95/EC(without exemption of solder content)

TITLE  
**TRANSFORMER, 1000BASE-T, SINGLE, SOIC, 24 PIN, EXT. TEMP.**


**WARNING !**  
 ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.

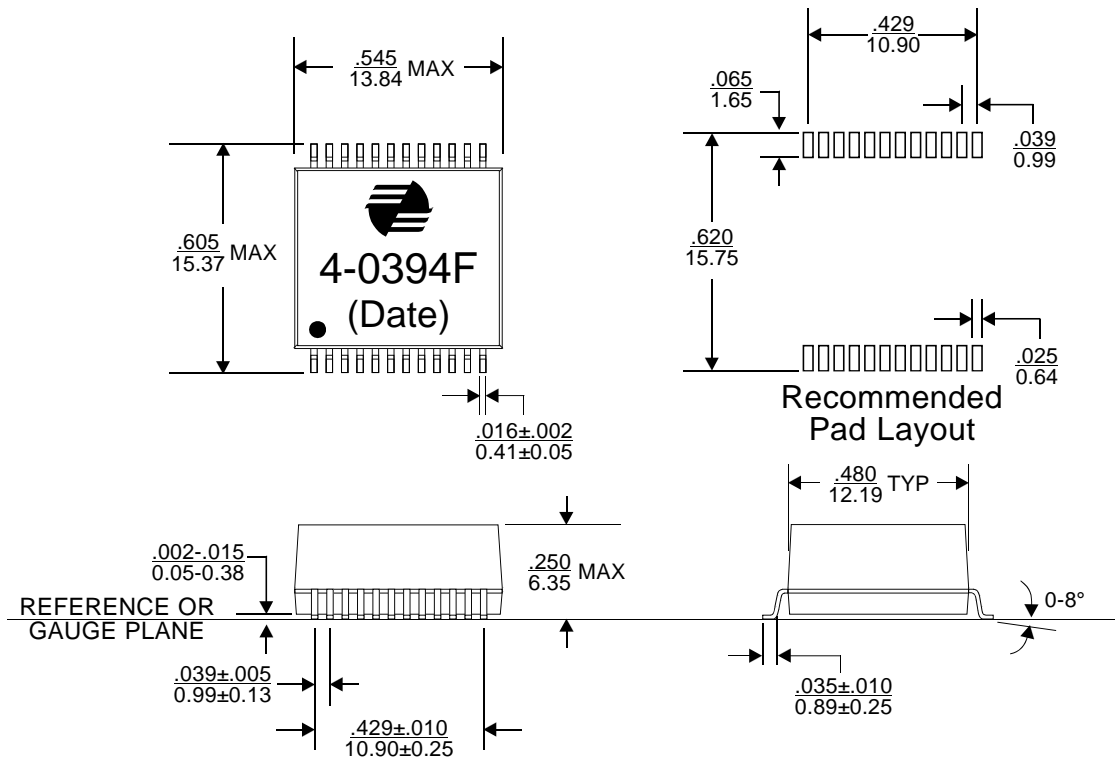
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.

TOLERANCE ARE:

INCH	mm	ANGLE
.XXX ± .005	.XX ± .13	X.X ± 0.3
.XX ± .02	.X ± .5	X. ± 1

APPROVALS	DATE
DRAWN BY Y.L. YUNG	06/08/10
PROJ. ENG D. YUNG	06/08/10
APPROVED BY V. TSUI	06/08/10
Q.A. C.M. TSUI	06/08/10

 <b>E &amp; E Magnetic Products Ltd.</b>	
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1. Dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in inches.
2. Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$ .
3. Coplanarity:  $\frac{.004}{0.10}$  max.
4. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus two character country code.
5. Dimensions are to be measured in accordance with JEDEC standard 95-1.

## MECHANICAL OUTLINE



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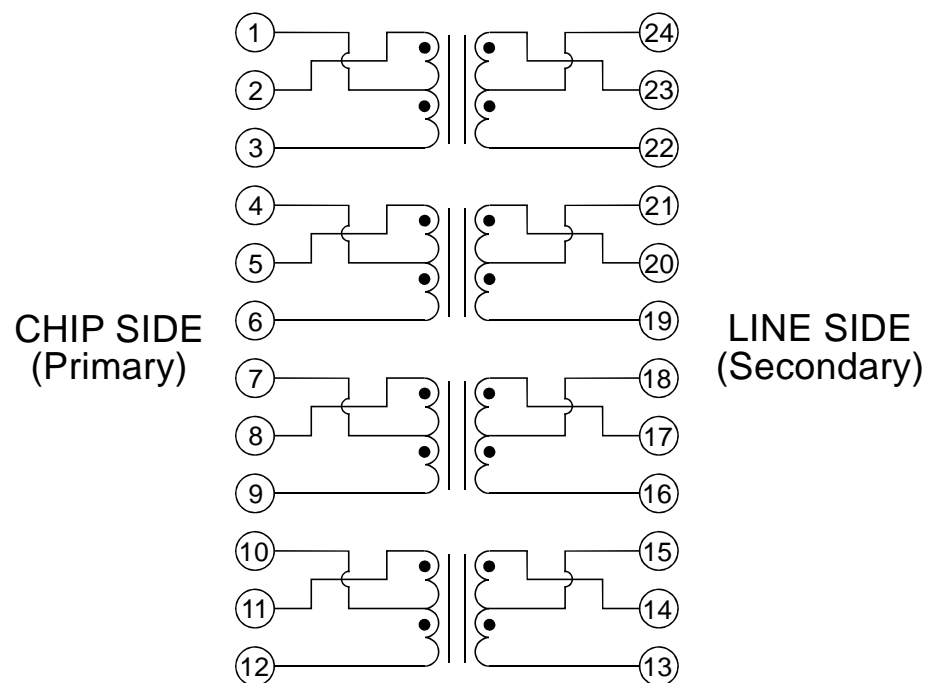
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### SCHEMATIC

#### ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	EACH CHANNEL
Turns Ratio (Primary):(Secondary)	-	1CT:1CT ± 2%
Polarity (Primary):(Secondary)	-	Per Schematic
Inductance, Ls(Primary) @100KHz, 0.1Vrms, 8mADC	uH	350 Min
Insertion Loss @0.1-100MHz	dB	1.0 Max
Return Loss @1-40MHz	dB	18.0 Min
7 Return Loss @40-100MHz	dB	12-20Log(F/80) Min
7 Crosstalk @0.1-100MHz, between channels	dB	35 Min
Hipot (Primary):(Secondary)	Vrms	1500 Min

6. Operating temperature: -40°C to +85°C.

7. "F" represents the test frequency specified in MHz.



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