REVISIONS

REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	03/17/09
02	CORRECT TYPO ERROR AND CHANGE POLARITY OF SECONDARY	EE11017	03/20/09

PAGE 4 IS FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION
835-01095	Standard version, with Lead(Pb)
835-01095F	RoHS compliant per EU Directive 2002/95/EC(without exemption of solder content)

TITLE

TRANSFORMER, SMT, 12 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 WITHOUTAUTHORIZATION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.

TOLERANCE ARE:

INCH	mm	ANGLE
.XXX ± .005	.XX ± 0.13	X.X ± 0.3
.XX ± .02	.X ± 0.5	X. ± 1.

APPROVALS		DATE
DRAWN BY	W.P. CHENG	03/20/09
PROJ. ENG	W.P. CHENG	03/20/09
APPROVED BY	V. TSUI	03/20/09
Q.A.	C.M. TSUI	03/20/09

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DRAWING NO./MODEL: 835-01095

REV: 02

SCALE: DO NOT SCALE

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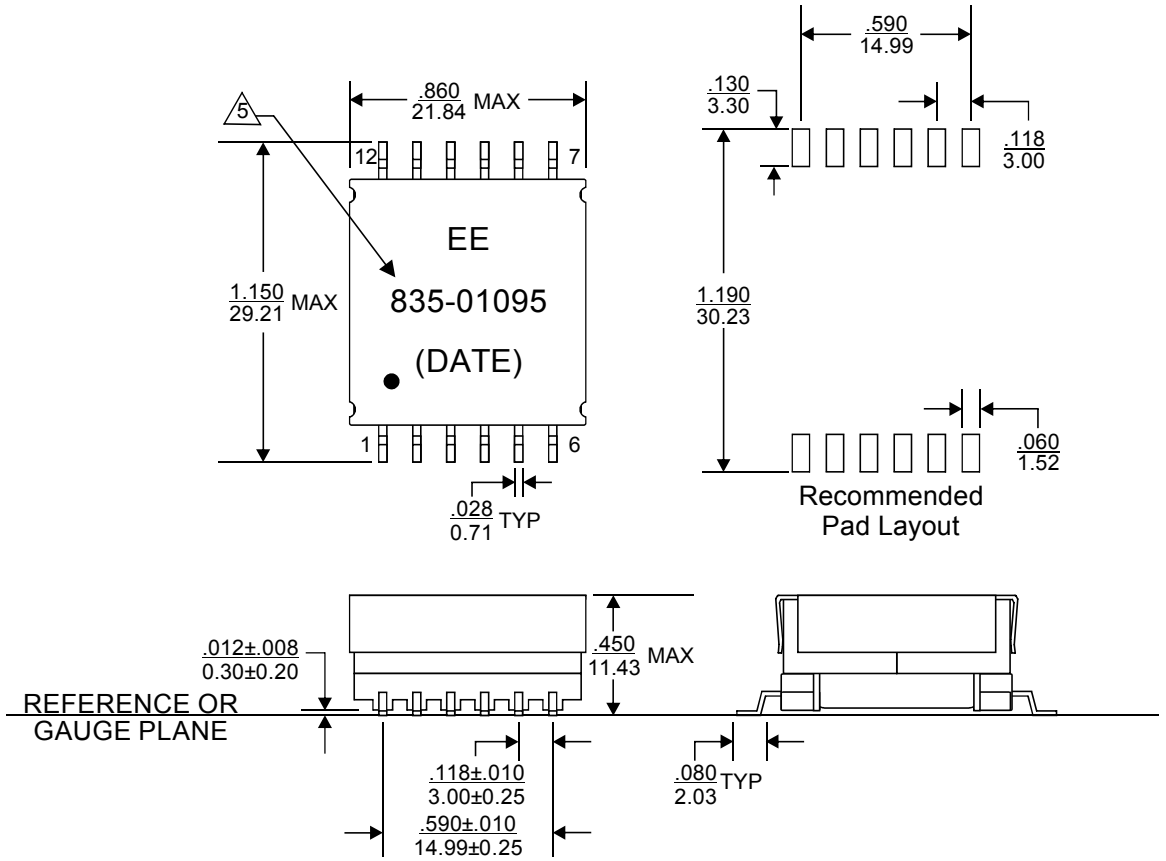

MECHANICAL OUTLINE

1. Dimension are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in inches.
2. Unless otherwise specified, all tolerances are ± $\frac{.010}{0.25}$.
3. Coplanarity: $\frac{.006}{0.15}$ max.
4. "(DATE)" includes at least the manufacturing date code(in YYWW format) plus two character country code.
5. For RoHS compliant version, 835-01095F, the part will be marked with “835-01095F”, instead of “835-01095”.

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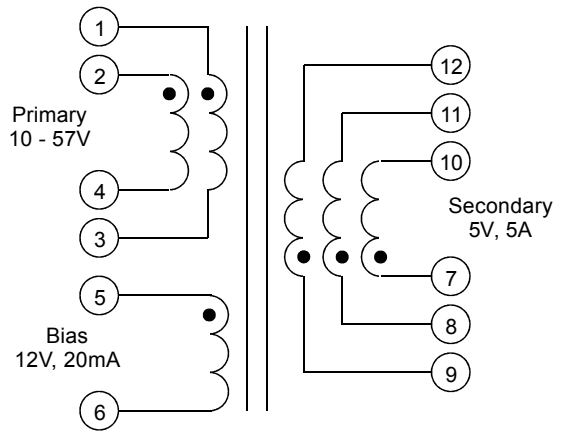
ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio(1/2-3/4):(12/11/10-7/8/9)	-	1 : 0.8 ± 2%
Turns Ratio(1/2-3/4):(5-6)	-	1 : 1.9 ± 2%
Polarity	-	Per Schematic
Inductance, Ls(1/2-3/4)@100kHz, 0.1Vrms, 0Adc	uH	80 Min
LL(1/2-3/4), short 12-11-10-9-8-7@100kHz, 0.1Vrms	uH	0.2 Max
Cww(1-2-4-3):(9-10-8-7)@100kHz, 0.1Vrms	pF	150 Max
DCR(1/2-4/3)	mΩ	22 Max
DCR(12/11/10-7/8/9)	mΩ	11 Max
DCR(5-6)	mΩ	500 Max
HIPOT(1-2-3-4-5-6):(12-11-10-9-8-7), 1 minute	VAC	1500 Min



SCHEMATIC

6. Operating temperature: -40°C to +85°C. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
7. The secondary windings are to be connected in parallel on the PC board. DCR for secondary is with winidngs connected in parallel. Turns ratio is with both secondary windings connected in parallel.

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