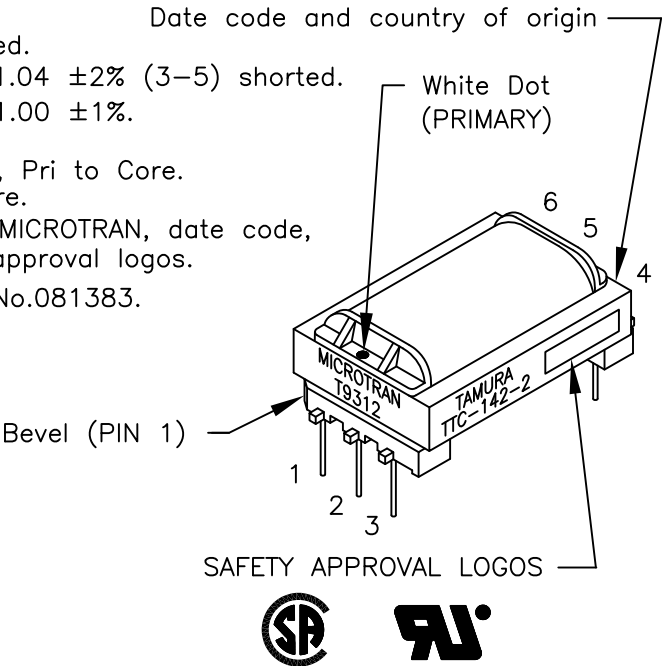
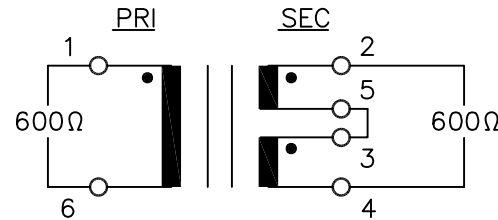


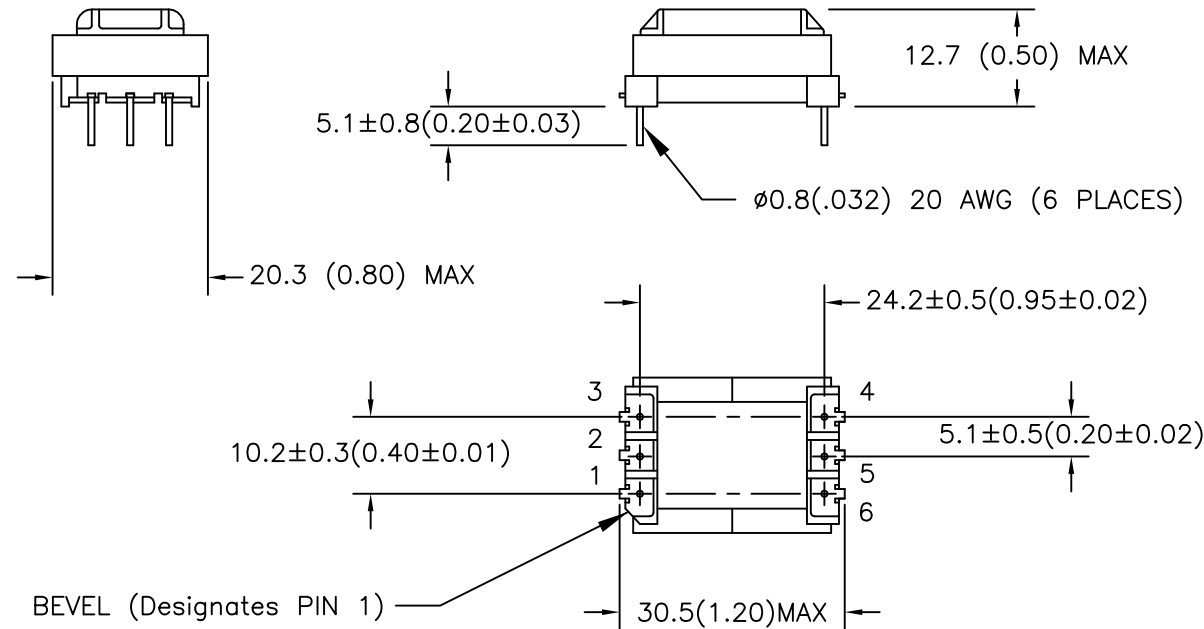
REVISION B REVISED AND REDRAWN ON CAD/CAM DATE/ENG
REVISION C TEMECULA WAS CARSON ADDED SAFETY 6/15/95 TS
REVISION D NEW FORMAT 7/01/98
REVISION E ADDED RoHS. UL1459 WAS UL1863. 5/26/09 M.P.

- A. Electrical Specifications (@ 25°C)
1. Pri Source Impedance; 600Ω
 2. Sec Load Impedance; 600 Ω split.
 3. Operating Level; -45dBm to +10dBm
 4. Insertion Loss;
1.9dB MAX @ 1.8KHz 0dBm, DC90mA.
 5. Frequency Response (relative to 1.8KHz)
+0.3dB, -1.3dB @ 500 to 3.5KHz 0dBm, DC90mA.
+0.3dB, -2.5dB @ 300 to 3.5KHz 0dBm, and DC90mA.
 6. Pri Impedance; 600Ω ±20% @ 500 to 1.8KHz 0dBm, DC90mA.
 7. Pri Return Loss; 14dB MIN @ 1.8KHz 0dBm, DC90mA.
 8. Longitudinal Balance; 60dB MIN @ 300 to 4KHz.
 9. Total Harmonic Distortion; 1.0% MAX @ 300 to 3.5KHz 0dBm, DC90mA.
 10. DC Resistance;
(1-6) = 75 Ω ±10%. Date code and country of origin
(2-4) = 95Ω±10%. (3-5) shorted.
 11. Turns Ratio; (1-6) : (2-4) = 1 : 1.04 ±2% (3-5) shorted.
(2-5) : (3-4) = 1 : 1.00 ±1%.
 12. Dielectric Strength;
1500Vrms 1 minute @ Pri to Sec, Pri to Core.
1500Vrms 1 minute @ Sec to Core.
- B. Marking: TTC-142-2, TAMURA, T9312, MICROTRAN, date code, country of origin and safety approval logos.
- C. Safety: CSA C22.2 No.66-M1988 File No.081383.
UL1459 File No. E142035.

D. Schematic Diagram:



E. Mechanical Specifications:



PREPARED BY:
E. BRINER

ENGINEER:
M. PITCHAI

SAFETY ENGINEER:
B.O.

APPROVED:
T. BROOKS

P-A1-10038 ACAD\TTC\A1100381.DWG	TELECOMMUNICATION COUPLING TRANSFORMER	MODEL SPECIFICATION TTC-142-2	REV E
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE CONTROL	TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (951) 699-1270 FAX 9516769482	DIM: mm[In] SCL: NONE SHT 1 OF 1	
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