

REVISION C  
REVISED AND  
REDRAWN ON  
CAD/CAM  
12/19/91 HA

REVISION D  
TEMECULA  
-WAS-  
CARSON  
ADDED SAFETY  
REFORMATTED  
5/3/95 TS

REVISION E  
NEW  
FORMAT  
6/30/98 TS

HIGH PERFORMANCE LOW PROFILE TELECOMMUNICATION COUPLING TRANSFORMER

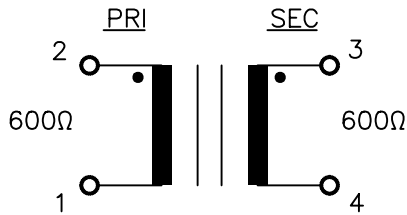
A. Electrical Specifications (@ 25 ° C)

1. Pri Source Impedance; 600Ω
2. Sec Load Impedance; 600Ω
3. Pri DC Unbalance Current; 90mA (1-2)
4. Operating Level; -45dBm to +10dBm
5. Insertion Loss;
  - 1.7dB MAX @ 1.8KHz 0dBm and DC90mA
6. Frequency Response (relative to 1.8KHz)
  - +0.2dB, -1.0dB @ 500 to 3,500Hz 0dBm and DC90mA
  - +0.2dB, -2.0dB @ 300 to 3,500Hz 0dBm and DC90mA
7. Pri Impedance; 600Ω ±20% @ 500 to 1,800Hz 0dBm and DC90mA
8. Pri Return Loss; 14dB MIN @ 1.8KHz 0dBm and DC90mA
9. Longitudinal Balance; 60dB MIN @ 200 to 4,000Hz
10. Total Harmonic Distortion; 0.5% MAX @ 300 to 3,500Hz 0dBm and DC90mA
11. DC Resistance;
  - (1-2) = 75Ω ±10%
  - (3-4) = 100Ω ±10%
12. Turns Ratio; (1-2) : (4-3) = 1 : 1.04 ±2%
13. Dielectric Strength;
  - 1500Vrms 60Hz 1 minute @ Pri to Sec, Pri to Core
  - 1500Vrms 60Hz 1 minute @ Sec to Core

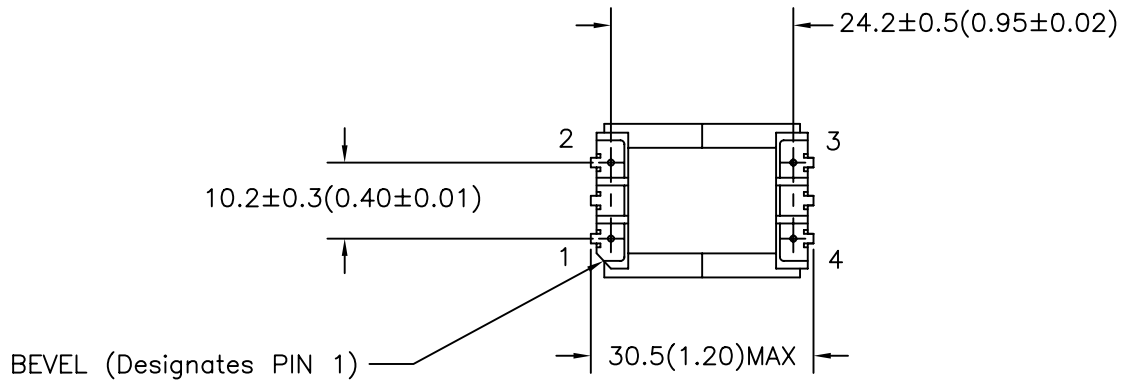
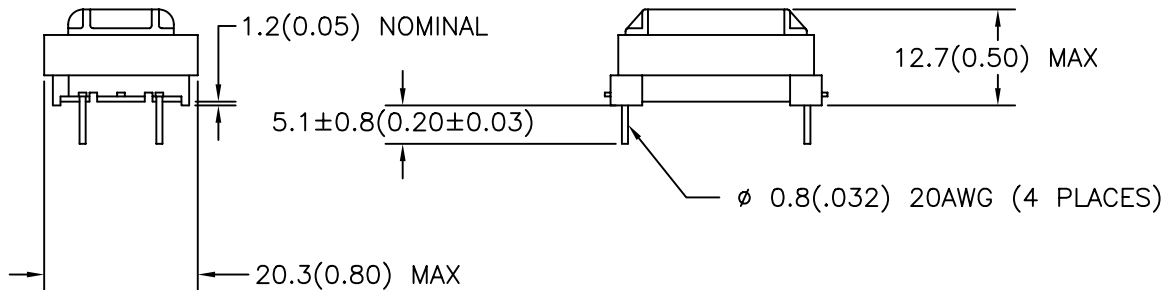
B. Marking; TTC-143, TAMURA, date code, country of origin and safety approval logos

C. Safety; CSA C22.2 No. 66-M1988 File No. LR81383  
UL 1863 File No. E142035

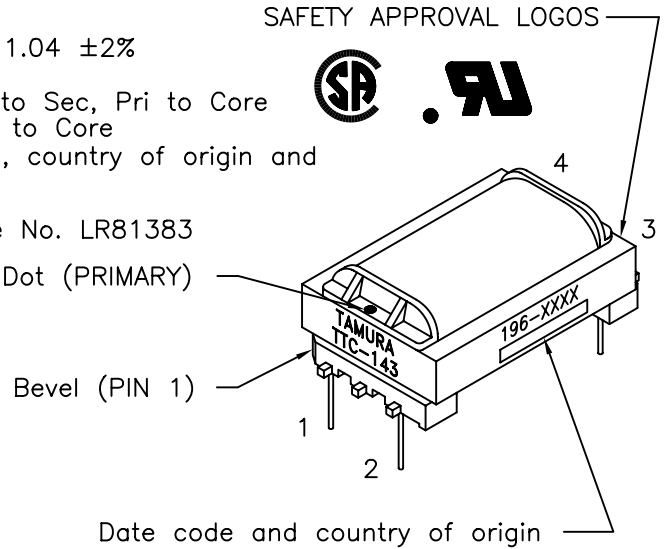
D. Schematic Diagram



E. Mechanical Specifications



SAFETY APPROVAL LOGOS



MODEL NUMBER  
**TTC-143**

PREPARED BY:

J. Peterson

ENGINEER:

T. Shiozawa

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A1-10034  
ACAD\TTC\A1100341.DWG

REV  
**E**

TELECOMMUNICATIONS COUPLING  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

**TTC-143**

MODEL SPECIFICATION

DIM: mm(in) SCL: 1/1 SH: 1 OF 1

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