

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

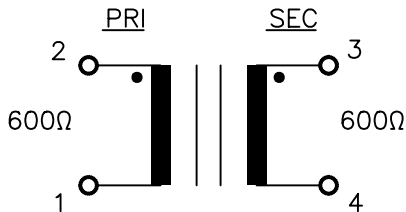
HIGH PERFORMANCE LOW PROFILE TELECOMMUNICATION COUPLING TRANSFORMER

- 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

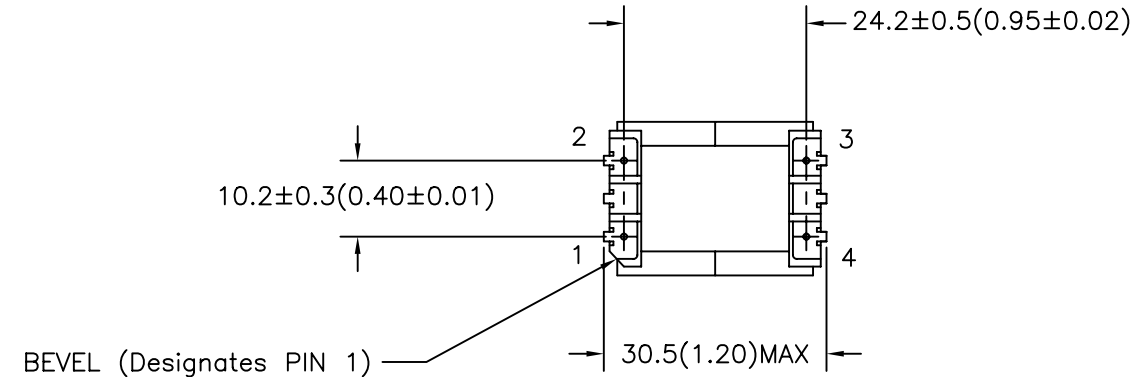
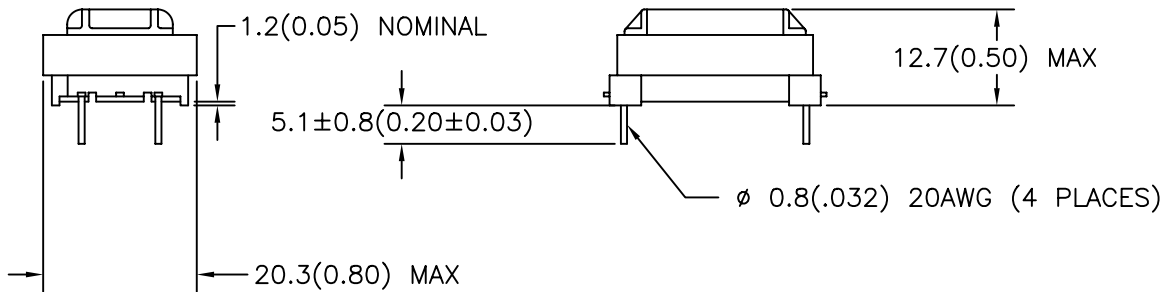
B. Marking; TTC-143, TAMURA, date code, country of origin and safety approval logos

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

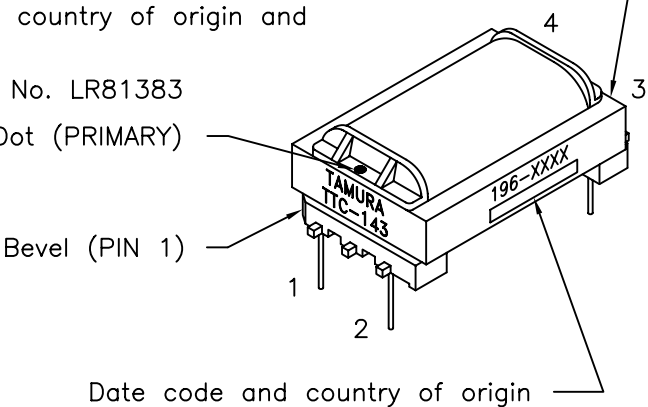
D. Schematic Diagram



E. Mechanical Specifications



SAFETY APPROVAL LOGOS



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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MODEL NUMBER

TTC-143

Mouser Electronics

Authorized Distributor

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