

**ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:**

**LONGITUDINAL BALANCE:** 35dB min., 1.544MHz, per ITU Method (L->M).

**D.C. RESISTANCE (@20°C):** 1-3; 4-5; 6-8; 9-10; 11-13; 14-15; 16-18; 19-20; 23-21; 25-24; 28-26; 30-29; 33-31; 35-34; 38-36; 40-39, 0.70 ohms max.

**DIELECTRIC RATING:** 1500VAC, 1 minute tested by applying 1875VAC for 1 second between 1-40; 38-4; 6-35; 33-9; 11-30; 28-14; 16-25; 23-19.

**INDUCTANCE:** 1-2mH min., 10kHz, 100mVAC, 1-3; 6-8; 11-13; 16-18; 23-21; 28-26; 33-31; 38-36, Is.

**LEAKAGE INDUCTANCE:** 0.5uH max., 100kHz, 100mVAC, 1-3(tie 40+39); 6-8(tie 35+34); 11-13(tie 30+29); 16-18(tie 25+24); 23-21(tie 19+20); 28-26(tie 14+15); 33-31(tie 9+10); 38-36(tie 4+5), Is.

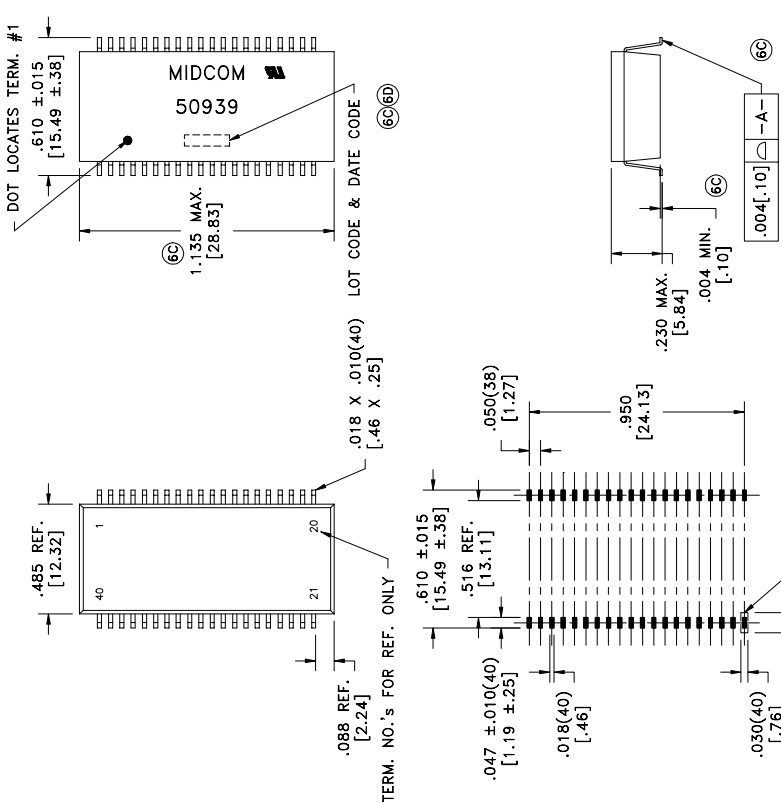
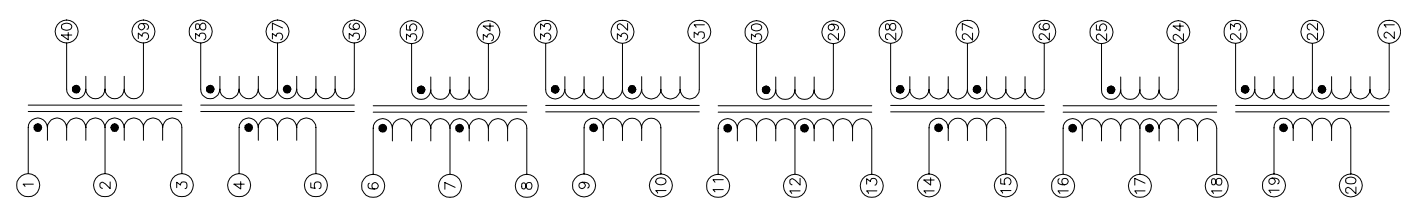
**TURNS RATIO:** (1-3):(40-39); (6-8):(35-34); (11-13):(30-29); (16-18):(25-24) = 1.36±1, ±4%  
 (23-21):(19-20); (28-26):(14-15); (33-31):(9-10); (38-36):(4-5) = 1.15±1, ±4%.

**INTERWINDING CAPACITANCE:** 25pF max., 100kHz, 100mV, 1-40; 38-4; 6-35; 33-9; 11-30; 28-14; 16-25; 23-19, Cs.

**OPERATING TEMPERATURE RANGE:** -40°C to +85°C.

**COPLANARITY:** All 40 terminals must lie on a plane within .004[.10] of Surface A after lead trimming.

Designed to comply with the following requirements as defined by IEC950, EN60950, UL1950/CSA950 and AS/NZS3260:  
 - TNV-1 to SELV isolation.



DETAILS SUBJECT TO CHANGE

6D

<b>Midcom, Inc.</b> Watertown, SD USA Toll Free: 800-643-2661 Fax: 605-886-4486	DRAWING TITLE <b>TRANSFORMER</b> PDFP-G40	DRAWING NO. <b>50939R</b>	SCALE --- SHEET 2 OF 8	AGENCY NUMBER UL 60950-1 E205930
				CSA 60950-1 E205930 (Via CUL)
Unless otherwise specified: Tolerances: Fractions: ±1/64 Angles: ±1° This drawing is dual dimensioned. Dimensions in brackets are in millimeters.		REVISIONS: SEE SHEET 1		REV. 6D 2/05