Mechanical:

NOTES:
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
   Housing: Thermoplastic UL94V-0
   Contact/Shield: Copper alloy
   Shield plating: Nickel
   Contact plating: Gold 6 micro-inches min. In contact area.
4. UL Certification: File Number E321120
5. Support Power over Ethernet (PoE).

XMULTIPLE

REV. | ECN NO. | DESCRIPTION | DATE  | APPD |
-----|---------|-------------|-------|------|
A    | REL     |             | 29/08/2009 |      |

X:X  ±0.25 | APPD: | TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics & PoE
X:XX ±0.20 | CHKD: | PART NO.: XMG-TRJ26514AENL
X:XXX ±0.05 | DR: C. H. Y | ANGLES ±1° | UNIT: mm |

SCALE: 2/1 | SHEET: 1/2 | REV: A | DWG NO.: TRC09082902
ELECTRICAL SPECIFICATIONS @ 25°C

1. Turn Ratio (±3%):
   TX = 1CT:1CT  RX = 1CT:1CT

2. Inductance OCL:
   350uH MIN @ 100kHz / 0.1V, 8mA DC Bias

3. Insertion Loss:
   -1.2dB MAX @ 1-100MHz

4. Return Loss:
   -16dB MIN @ 1-30MHz
   -14dB MIN @ 40MHz
   -13dB MIN @ 50MHz
   -12dB MIN @ 60-80MHz

5. Cross talk:
   -43dB MIN @ 30MHz
   -37dB MIN @ 60MHz
   -33dB MIN @ 100MHz

6. Differential to Common Mode Rejection:
   -50dB MIN @ 30MHz
   -43dB MIN @ 60MHz
   -35dB MIN @ 100MHz

7. Hipot Test: 1200Vrms MIN

8. Operating Temperature Range: -40°C TO +85°C.