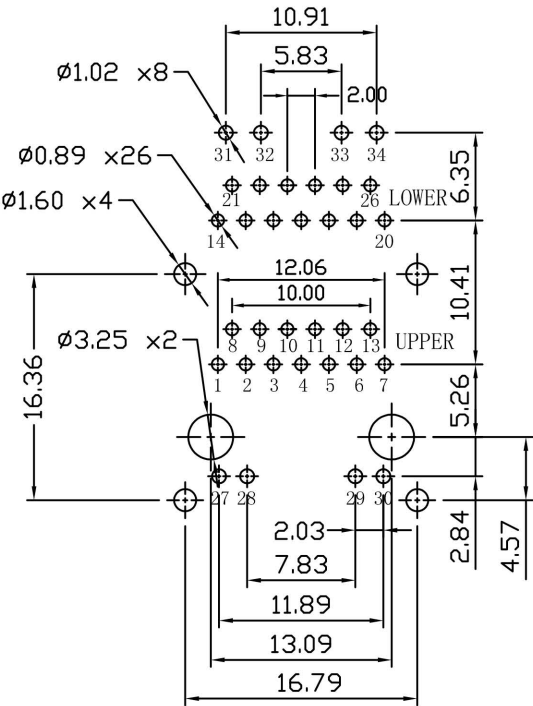
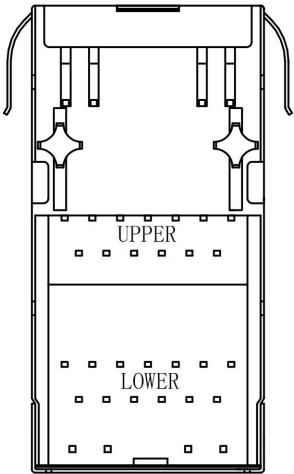
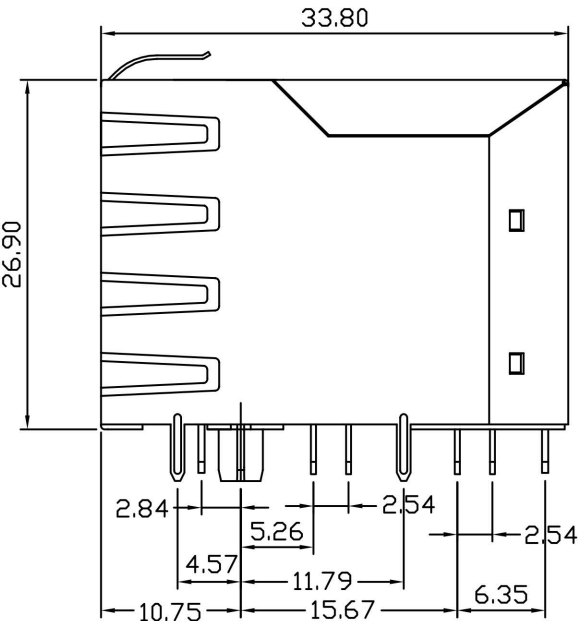
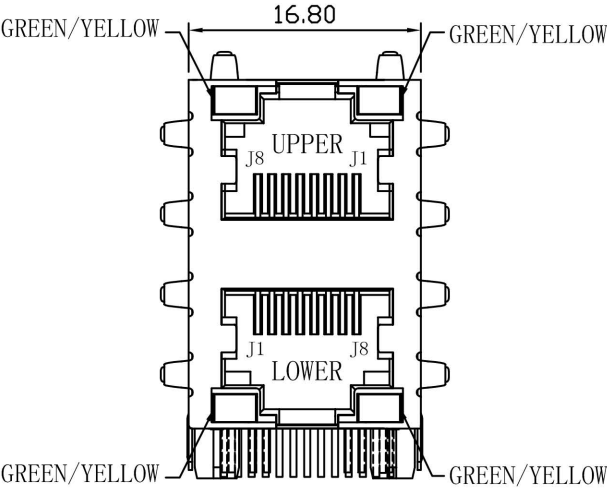


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/02/18	



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

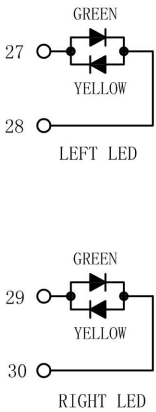
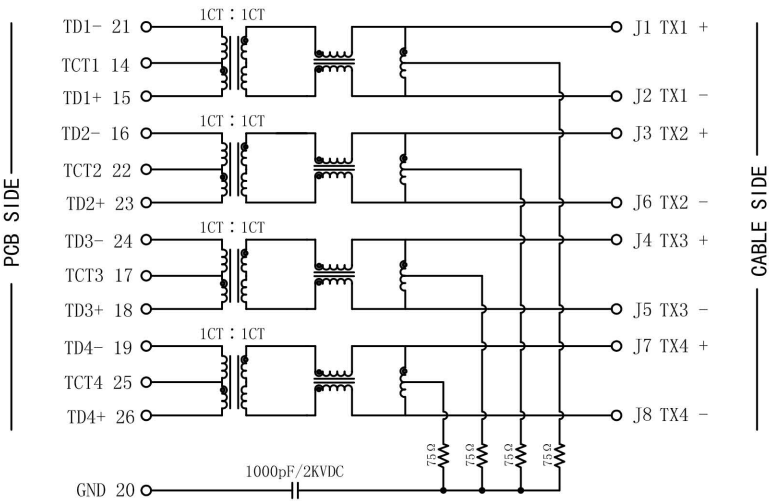
- NOTES:
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
 2. Meets IEEE 802.3 specification
 3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
 4. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 5 Sec Max
 5. UL Certification:

X:X	±0.30	APPD:	SoniTexx®	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: C.H.Y	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.:	G17102A4NL
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.:

Schematic:

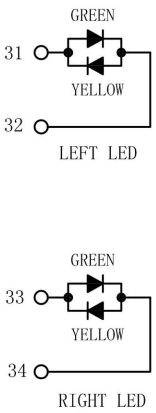
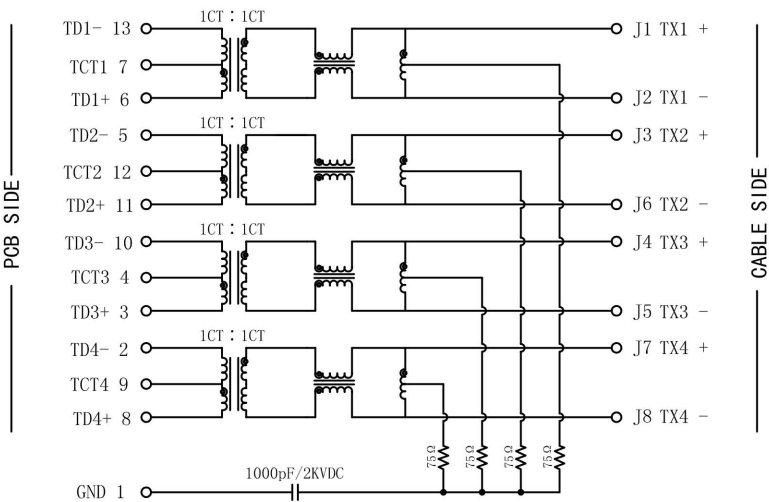
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/02/18	

SCHEMATIC FOR LOWER PORT:



- Electrical Specifications @25℃
1. OCL(@100KHz, 100mV, 8mA DC Bias):
350uH min
 2. Turns Ratio: 1CT : 1CT ±2%
 3. Insertion Loss:
0.1~100MHz:-1.1dB Max
 4. Return Loss(dB Min):
1~30MHz:-18
30~60MHz:-16
60~80MHz:-14
80~100MHz:-12
 5. Crosstalk(dB Typ):
1~60MHz:-35
60~100MHz:-25
 6. Common To Common Mode Rejection:
0.1~100MHz:-25dB Typ
 7. Hipot: 1500Vrms
 8. Operating Temperature: -40℃ ~+85℃.

SCHEMATIC FOR UPPER PORT:



X:X ±0.30	APPD:	SoniTexx®		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: C.H.Y	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: _G17102A4NL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: