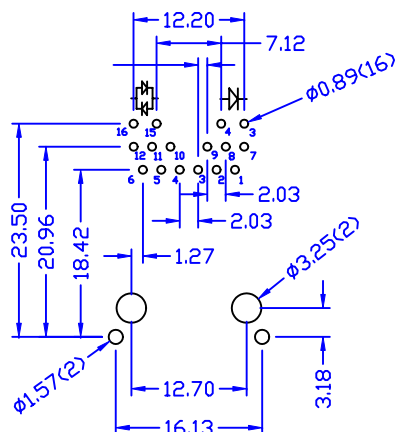
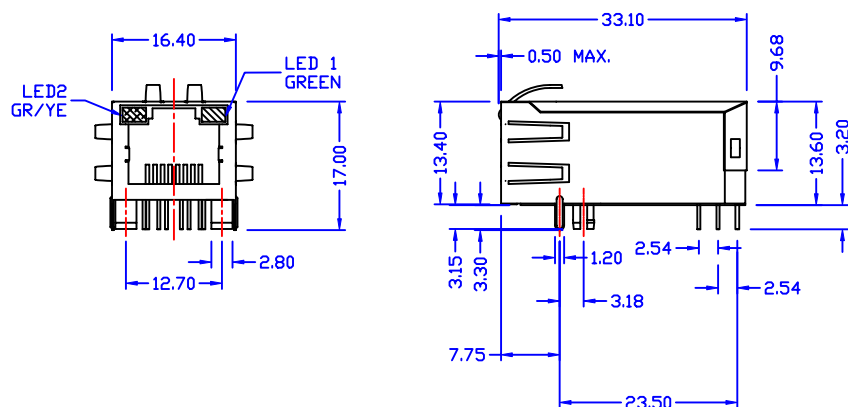
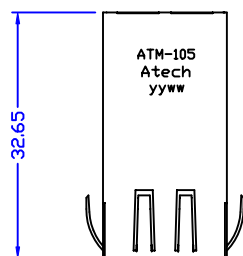
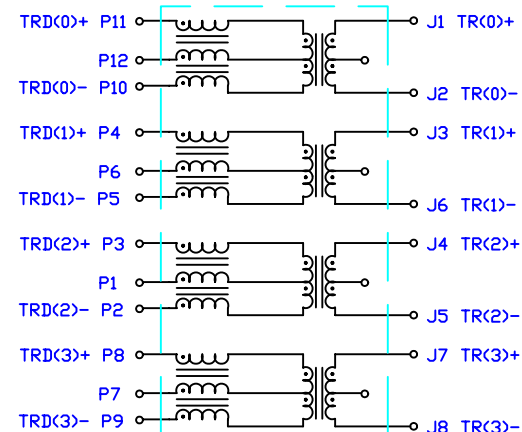




PCB LAYOUT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ± 0.3

CONNECTOR SOLDER SIDE 1CT:1CT RJ45 CONTACT SIDE



ELECTRICAL CHARACTERISTICS :

1. TURNS RATIO : TX = 1CT:1CT $\pm 3\%$.
RX = 1CT:1CT $\pm 3\%$.
2. INDUCTANCE (@100KHZ/0.1V WITH 8mA DC BIAS) : 350 uH MIN.
3. DCR : 1.0 OHM MAX.
4. INSERTION LOSS : 0.1~100MHZ = -0.8 dB MAX.
100~120MHZ = -1.2 dB MAX.
5. HI-PDT : 1650 Vrms.
6. RETURN LOSS : 0.5~40MHZ = -18 dB MIN.
40~100MHZ = -12+20 log(f/80MHZ) dB MIN.
7. CROSS TALK : 0.1~100MHZ = -33+20 log(f/100MHZ) dB MIN.
8. DCMRR : 0.1~100MHZ = -35 dB MIN.
9. CMRR : 0.1~100MHZ = -30 dB MIN.

						Atech® Atech Technology Co., Ltd. TEL:022794-6667 FAX:022794-8004	TITLE LAN—MATE	
							DWG. NO. ATM—105	
	RELEASE	04/11/2005	BART	AL	SUEDY	UNITS: M/M	SAFETY	SHEET 1 OF 1
NO.	DESCRIPTION	DATE	BY	CHK	APPD	DATE		
REVISIONS						04/11/05		