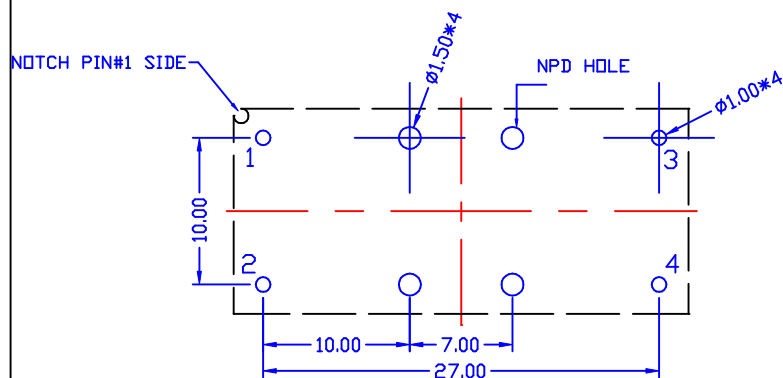
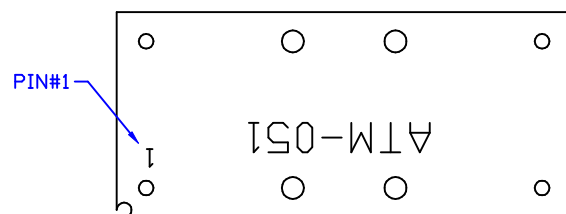
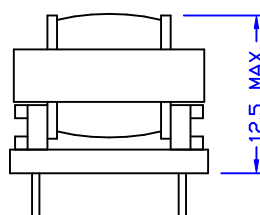
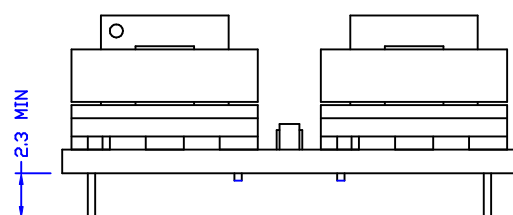
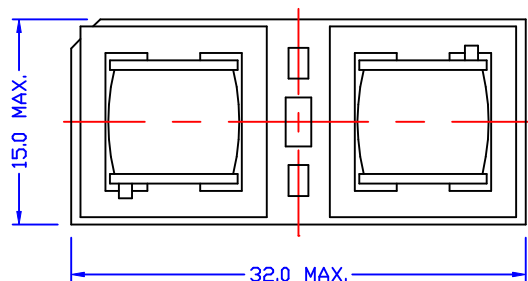
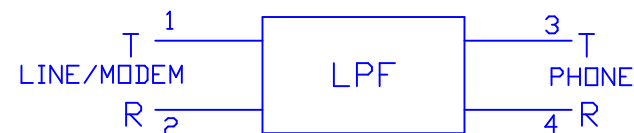




P.C.B LAYOUT RECOMMENDATION



ELECTRICAL CHARACTERISTICS : MEET ITU-T G.992.1

1. LINE IMPEDANCE : 600 OHM.
2. DCR EACH LINE : 12.5 OHM MAX.
3. INSERTION LOSS (@1KHZ) : 1dB MAX.
4. INSERTION LOSS DISTORTION (@200HZ-4KHZ) : ± 1 dB
5. RETURN LOSS (@300HZ-500HZ) : 14dB MIN.
(@500HZ-2KHZ) : 18dB MIN.
(@2KHZ-3.4KHZ) : 14dB MIN.
6. LONGITUDINAL BALANCE (@200HZ-3KHZ) : 53 dB MIN.
7. DELAY DISTORTION (@200HZ-4KHZ) : 200uSEC MAX.
8. ATTENUATION (@32KHZ-500KHZ) : 30 dB MIN.
(@500KHZ-1.1MHZ) : 55 dB MIN.
9. METERING : IMPEDANCE 200 OHM
(@12KHZ OR 16KHZ) = 3 dB MAX.
10. ISOLATION (@T-G, R-G) : 10M OHM MIN.
11. POTS LOOP CURRENTS : 120mA
12. POTS TIP TO RING DC VOLTAGE : 0-60V
13. POTS RINGING SIGNAL FROM 20HZ TO 30HZ : 103 Vrms

						Atech®		TITLE ADSL MODULE W/H 16KHz METERING	
						Atech Technology Co., Ltd.		DWG. NO.	
						TEL:022794-6667 FAX:022794-8004		ATM-051	
A	LABEL PIN#1					UNITS:	SAFETY	SHEET 1 OF 1	
	RELEASE	08/26/2004	PAIR	EUEGEN	SUEDY	M/M			
NO.	DESCRIPTION	DATE	BY	CHK	APPD	DATE		DRAW	
REVISIONS						08/26/04		Pair	