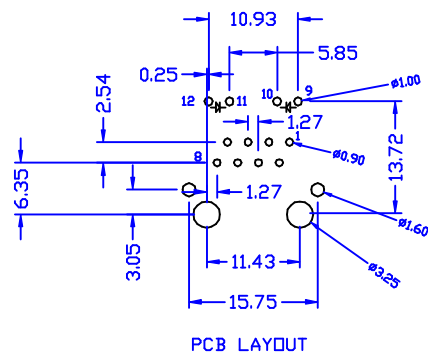
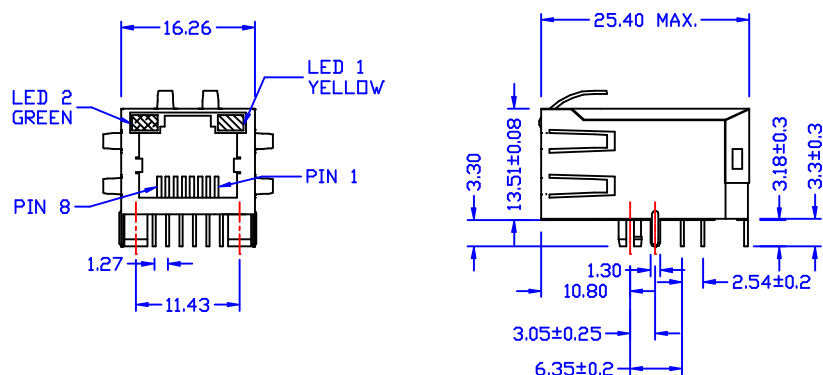
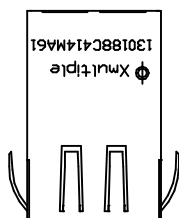
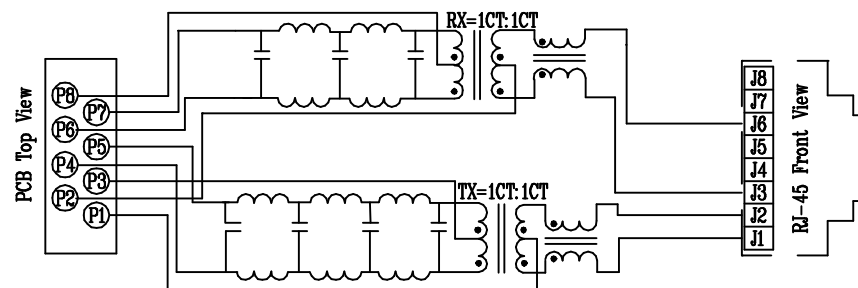




PCB LAYOUT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE  $\pm 0.25$



## ELECTRICAL CHARACTERISTICS :

1. TURNS RATIO : TX = 1CT:1CT  $\pm 3\%$ .  
RX = 1CT:1CT  $\pm 3\%$ .
2. CROSS TALK : 1~30 MHZ = -30 dB MIN.
3. HI-POT : 1200 Vrms.
4. RETURN LOSS TX&RX : 5~10 MHZ = -17 dB TYP.
5. INSERTION LOSS TX&RX : 1~10 MHZ = -1.15 dB MAX.
6. DCR : P4-5, 6-7 = 3.5 OHM MAX.  
J1-J2, 3-6 = 2.0 OHM MAX.
7. ATTENUATION :  
TX 20 MHZ = -5 dB MIN.  
25 MHZ = -18 dB MIN.  
30 MHZ = -28 dB MIN.  
40 MHZ = -33 dB MIN.  
RX 20 MHZ = -4.2 dB MIN.  
25 MHZ = -11 dB MIN.  
30 MHZ = -16 dB MIN.  
40 MHZ = -26 dB MIN.
8. COMMON MODE REJECTION : 30~100MHZ = -30 dB MIN.

|           |             |      |    |       |        |                                         |          |          |                |
|-----------|-------------|------|----|-------|--------|-----------------------------------------|----------|----------|----------------|
|           |             |      |    |       |        | <b>Atech®</b>                           |          | TITLE    | LAN-MATE       |
|           |             |      |    |       |        | Atech Technology Co., Ltd.              |          | DWG. NO. | 130188C414MA61 |
|           |             |      |    |       |        | TEL: (02) 2794-6667 FAX: (02) 2794-8004 |          |          |                |
| RELEASE   | 01/27/2005  | BART | AL | SUEDY | UNITS: | M/M                                     |          | SAFETY   |                |
| NO.       | DESCRIPTION | DATE | BY | CHK   | APPD   | DATE                                    | 01/27/05 |          | SHEET 1 OF 1   |
| REVISIONS |             |      |    |       |        |                                         |          | DRAW     | Pair           |