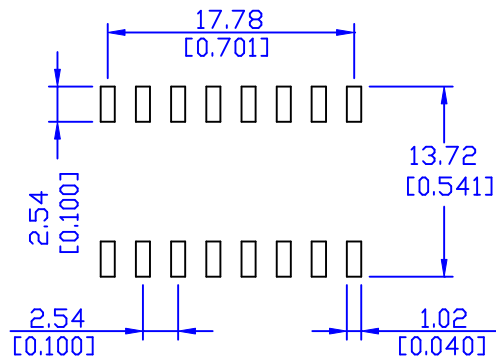
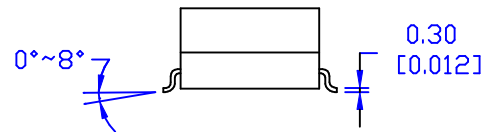
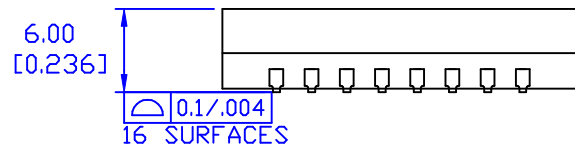
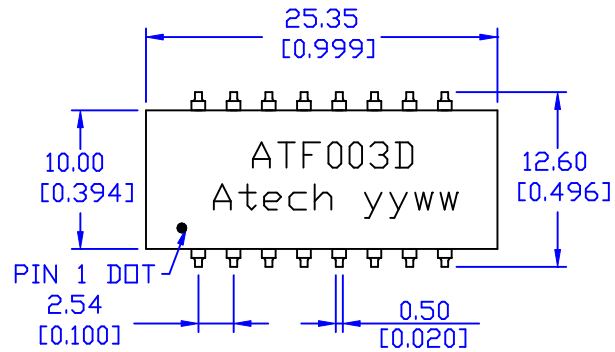
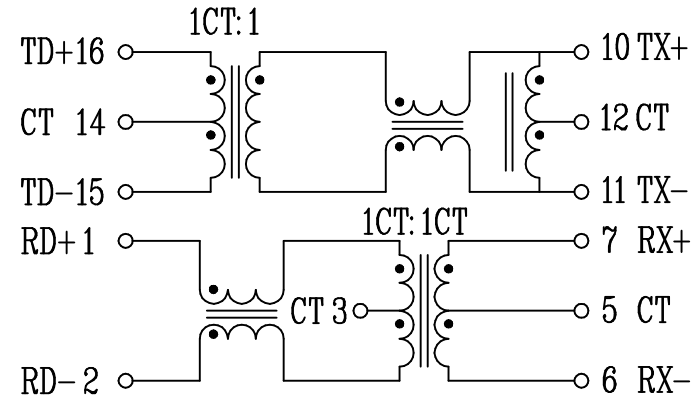




Suggested PAD Layout



## ELECTRICAL CHARACTERISTICS : <COMPATIBLE PE-68515L>

1. TURNS RATIO : TX=1CT:1  
RX=1CT:1CT
2. DCL (@100KHZ/0.1V WITH 8mA/DC BIAS) : 350 uH MIN.
3. HI-POT : 1500 Vrms MIN.
4. CROSS TALK : 30 MHZ = -55 dB TYP.  
60 MHZ = -50 dB TYP.  
100 MHZ = -50 dB TYP.
5. INSERTION LOSS : 0.1~100 MHZ = -1.0 dB MAX.
6. RETURN LOSS (@100 OHM) : 1~30 MHZ = -18 dB MIN.  
40 MHZ = -18 dB MIN.  
50 MHZ = -16 dB MIN.  
60~80 MHZ = -12 dB MIN.
7. DCMRR : 30 MHZ = -50 dB MIN.  
60 MHZ = -45 dB MIN.  
100 MHZ = -40 dB MIN.

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE  $\pm 0.25$  mm

|           |             |            |      |     |       |                                 |  |                                 |  |
|-----------|-------------|------------|------|-----|-------|---------------------------------|--|---------------------------------|--|
|           |             |            |      |     |       | <b>Atech®</b>                   |  | TITLE 10/100 BASE-T TRANSFORMER |  |
|           |             |            |      |     |       | Atech Technology Co., Ltd.      |  | DWG. NO.                        |  |
|           |             |            |      |     |       | TEL:022794-6667 FAX:022794-8804 |  | ATF003D                         |  |
| A         | ADD PIN     | 12/07/2004 | BART | AL  | SUEDY | UNITS:                          |  | SAFETY                          |  |
|           |             |            |      |     |       | M/M(INCHES)                     |  | SHEET 1 OF 1                    |  |
| NO.       | DESCRIPTION | DATE       | BY   | CHK | APPD  | DATE                            |  | DRAW                            |  |
| REVISIONS |             |            |      |     |       | 11/19/04                        |  | Pair                            |  |