



Specification :

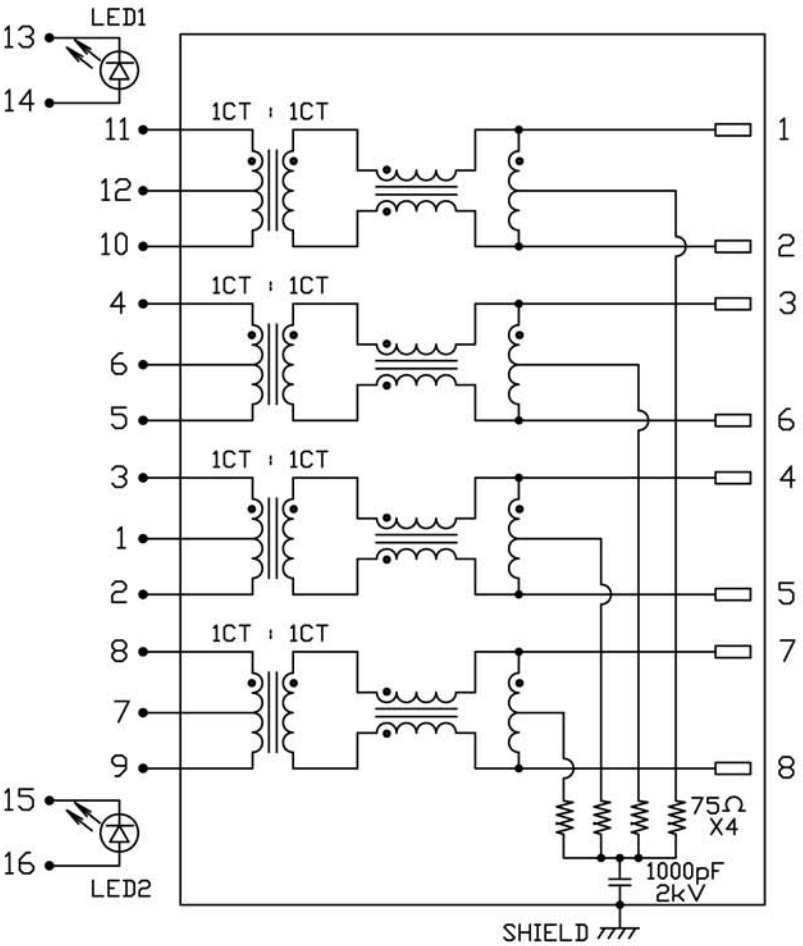
| Item | Parameter                     | Condition              | Min. | Typ. | Max. | Unit | REMARK |
|------|-------------------------------|------------------------|------|------|------|------|--------|
| 1    | Insertion loss                | 0.1-100 MHz            |      |      | -1   | dB   |        |
| 2    | Return loss                   | 0.5-40 MHz             | -18  |      |      | dB   |        |
|      |                               | 40-100 MHz             |      |      |      | dB   | NOTE 1 |
| 3    | OCL                           | 100 KHz                |      |      |      | μH   |        |
| 4    | Crosstalk                     | 100 KHz-100 MHz        |      |      |      | dB   | NOTE 2 |
| 5    | Hipot                         | Vrms                   | 1.5  |      |      | kV   |        |
| 6    | Turns Ratio<br>(Chip : Cable) | TX: 1 : 1<br>RX: 1 : 1 |      |      |      | CT   |        |
| 7    | Direct Current<br>resistance  |                        |      |      |      | Ω    |        |

✱NOTE 1: Greater than (12-20 Log (f/80MHZ)) dB  
2: Greater than (33-20 Log (f/50MHZ)) dB

Ordering Information

LMJ171881XS3L3T1

Contact Plating  
1=15u" gold  
2=30u" gold  
3=50u" Gold  
4= 6u" Gold



CONNECTOR SCHEMATIC

| TOLERANCE (mm)                | APPROVALS                                                                             | DATE         | TITLE                                              |                                |  | AMPHENOL                           |           |
|-------------------------------|---------------------------------------------------------------------------------------|--------------|----------------------------------------------------|--------------------------------|--|------------------------------------|-----------|
| X. ±0.3                       | DRAWN<br>Stephane                                                                     | 15/Dec/2010  | Gigabit Modular Jack<br>RJ45 Dip R/A Type<br>w/LED |                                |  | Amphenol European<br>Design Center |           |
| X.X ±0.2                      | CHECKED<br>Rob                                                                        | 15/Dec/2010  |                                                    |                                |  |                                    |           |
| X.XX ±0.15                    | APPROVED<br>Rob                                                                       | 15/Dec/2010  |                                                    |                                |  |                                    |           |
| UNLESS OTHERWISE<br>SPECIFIED |  | UNIT :<br>mm | SIZE :<br>A4                                       | DRAWING N°<br>LMJ171881XS3L3T1 |  |                                    | REV.<br>A |
| Scale N.A.                    |                                                                                       |              |                                                    |                                |  | Sheet 2 of 2                       |           |