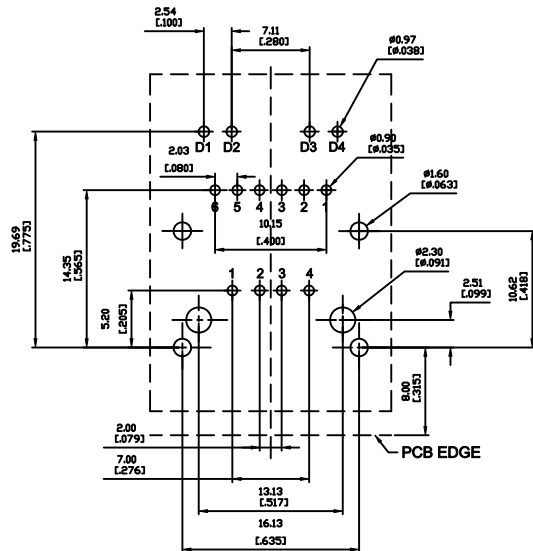
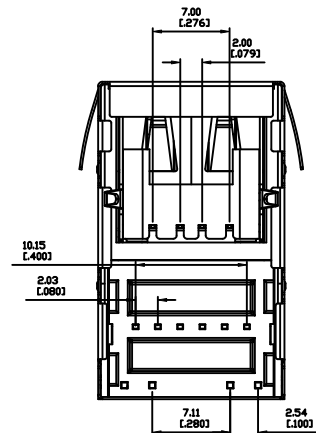
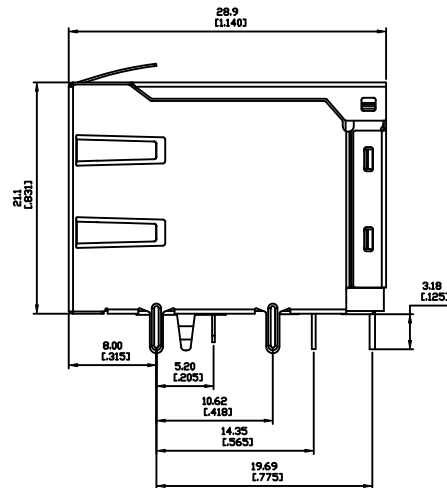
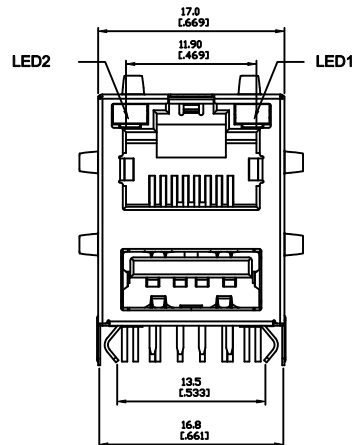


## 1. MECHANICAL DIMENSIONS:



**SUGGESTED PCB LAYOUT**  
**TOP VIEW**

PART NO : T R U T - 1 8 0 S - \*\*\* 0 - D\*\* - B\*\*

Type \_\_\_\_\_

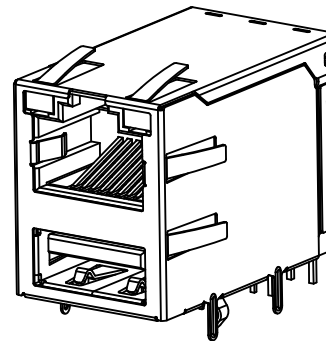
Contacts  
8 : 8 pin

Penel Ground

Non : Non Panel Ground  
U : Top With Panel Ground  
D : 2 Sides With Panel Ground  
S : 3 Sides With Panel Ground

Housing Color

| Part<br>Suffix | M.J    | USE   |
|----------------|--------|-------|
| 0              | Black  | Black |
| 1              | Black  | White |
| 2              | Yellow | Black |
| 3              | Yellow | Blue  |



└ Led Polarity

— Shielded Material

| Part<br>Surf. | Front Shield | Back Shield |
|---------------|--------------|-------------|
| 0             | SUS          | BRASS       |
| 1             | Tinplate     | Tinplate    |
| 2             | SUS          |             |
| 3             | BRASS        | BRASS       |

└ Housing Material  
B : PBT

└ Circuit Type

└ Protocol Type

D: 10/100 Mbps,4 core

- Extendec Color

### — Led Options

— Gold Plated

| Part<br>Suite | M.J        | USE |
|---------------|------------|-----|
| 0             | Gold Flash | 1.1 |
| 1             | 6u"        |     |
| 2             | 15u"       |     |
| 3             | 30u"       |     |
| 4             | 50u"       |     |
| 5             | Gold Flash | 2.0 |
| 6             | 6u"        |     |
| 7             | 15u"       |     |
| 8             | 30u"       |     |
| 9             | 50u"       |     |

### LED Color Options Table

| LED Color Options |               | LED DASH OPTION |
|-------------------|---------------|-----------------|
| LED 2 (Left)      | LED 1 (Right) |                 |
| No LED            | No LED        | 0               |
| Yellow            | Green         | 1               |
| No LED            | Green         | 2               |
| Yellow            | No LED        | 3               |
| Green             | Yellow        | 4               |
| Green             | Green         | 5               |
| Yellow            | Yellow        | 6               |
| Orange/Green      | Orange/Green  | 7               |
| Yellow/Green      | Yellow/Green  | 8               |
| Orange/Green      | Yellow        | 9               |

### LED Polarity Table

| Part<br>Suffix | LED 2<br>(Left)                                                                             | LED 1<br>(Right)                                                                            |
|----------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Non            | Non LED                                                                                     | Non LED                                                                                     |
| 0              | D1  D2 | D3  D4 |
| 1              | D1  D2 | D3  D4 |
| 2              | D1  D2 | D3  D4 |
| 3              | D1  D2 | D3  D4 |

|     |            |      |          |
|-----|------------|------|----------|
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| △   |            |      |          |
| △   |            |      |          |
| △   |            |      |          |
| △   |            |      |          |
| SYM | DISCRPTION | DATE | APPROVED |



**TACLEX**

*TACLEX ELECTRONICS CO., LTD.*

TOLERANCES UNLESS  
OTHERWISE SPECIFIED  
LINEAR:  $\pm 0.30$  ANGULAR:  $\pm 3^\circ$

## SIGNATURES

|      |
|------|
| DATE |
|------|

|  | TITLE |
|--|-------|
|--|-------|

RJ45 JACK +USB 1POLE

## REVISIONS



SCALE  
5/1

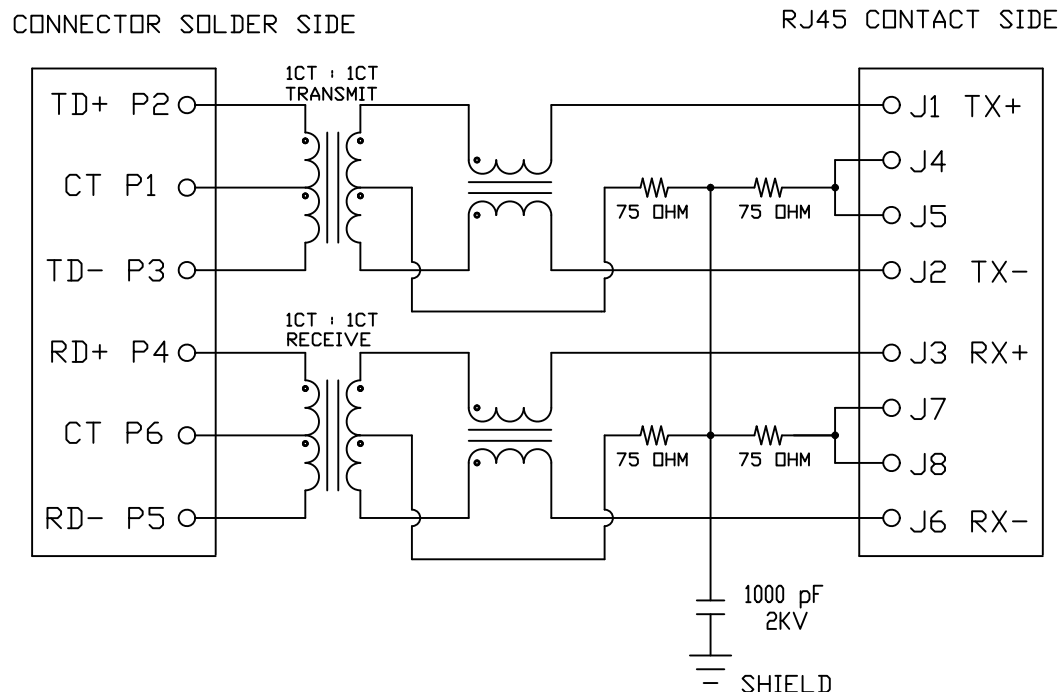
|   |      |
|---|------|
|   | Alex |
| D | Rex  |

|  |            |
|--|------------|
|  | 2006.05.11 |
|  | 2006.05.11 |

|    |     |
|----|-----|
| 11 | NO. |
|----|-----|

TRUT-180S-xxxx-Dxx-Bxx

## 2. SCHEMATIC:



## 3. ELECTRICAL CHARACTERISTICS :

Test Notes:(25±5°)

1.TR:(100KHz,0.1V):

Pins:(P2-P3):(J1-J2)=1:1±3%

Pins:(P4-P5):(J3-J6)=1:1±3%

2.LX:(100KHz,100mV,8mA, Dc Bias)

Pins:(P2-P3),(P4-P5)=350uh Minimum

3.DCR:

Pins:(J1-J2),(J3-J6)=1.2 Ohms Maximum

4.HIPOT:

Pins:(P2,P1,P3)To(J1,J2)=1500VAC For 60 Seconds

Pins:(P4,P6,P5)To(J3,J6)=1500VAC For 60 Seconds

5.INSERTION LOSS:

-1.0dB Maximum At 0.3MHZ To 100MHZ:

6.RETURN LOSS:

-20dB Minimum At 1MHz To 30MHz;

-15dB Minimum At 30MHz To 60MHz;

-10dB Minimum At 60MHz To 80MHz

7.CROSS TALK:

-30dB Minimum At 1MHz To 100MHz

8.COMMON TO COMMON MODE REJECTION:

-30dB Minimum At 1MHz To 100MHz

|     |             |      |          |
|-----|-------------|------|----------|
| △   |             |      |          |
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| △   |             |      |          |
| △   |             |      |          |
| SYM | DISCRIPTION | DATE | APPROVED |



**TACLEX**

*TACLEX ELECTRONICS CO., LTD.*

TOLERANCES UNLESS  
OTHERWISE SPECIFIED  
LINEAR: ±0.30 ANGULAR: ±3°

SIGNATURES

DATE

TITLE

DRAWN

Andy

2006.05.11

TSFM

CHK'D

Alex

2006.05.11

NO.

DA1

APPV'D

Rex

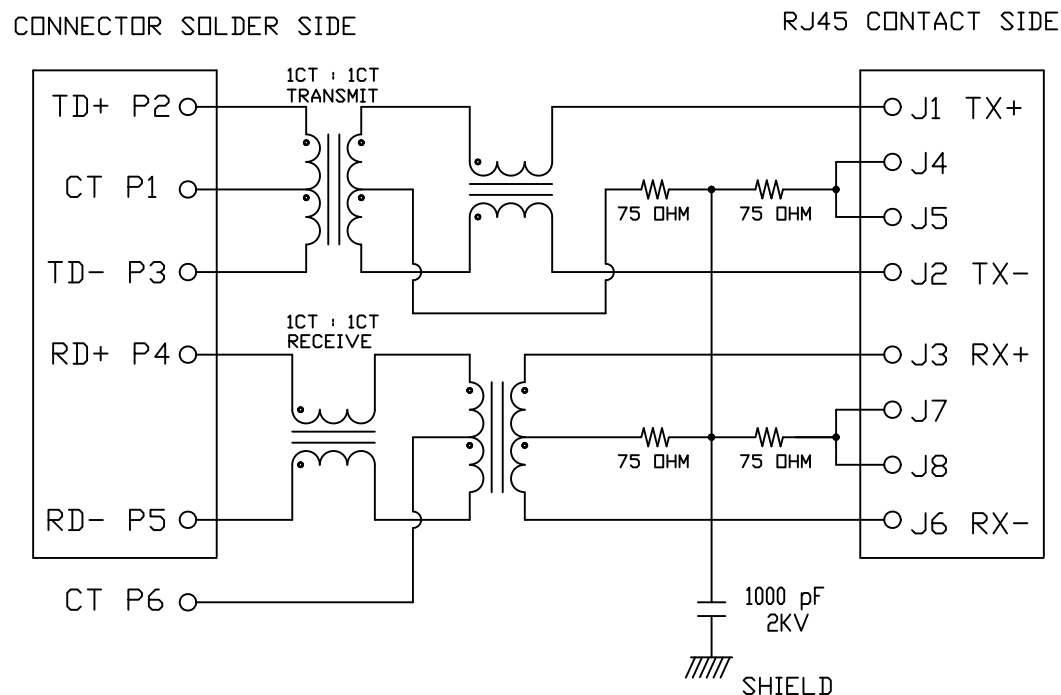
2006.05.11

REVISIONS  
A



SCALE  
5/1

## 2. SCHEMATIC:



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-10dB Minimum At 60MHz To 80MHz

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-30dB Minimum At 1MHz To 100MHz

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-30dB Minimum At 1MHz To 100MHz

|     |             |      |          |
|-----|-------------|------|----------|
| △   |             |      |          |
| △   |             |      |          |
| △   |             |      |          |
| △   |             |      |          |
| △   |             |      |          |
| SYM | DISCRIPTION | DATE | APPROVED |



**TACLEX**

*TACLEX ELECTRONICS CO., LTD.*

TOLERANCES UNLESS  
OTHERWISE SPECIFIED  
LINEAR:±0.30 ANGULAR: ±3°

SIGNATURES

DATE

TITLE

DRAWN Andy

2006.05.11

TSFM

CHK'D Alex

2006.05.11

NO.

APPV'D Rex

2006.05.11

DA2

REVISIONS  
A



SCALE  
5/1