



# RJ45 Integrated Connector

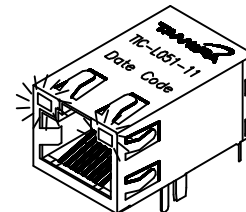
10 Base-T, Single Port, Through Hole, LEDs, Tap-up

MODEL NUMBER

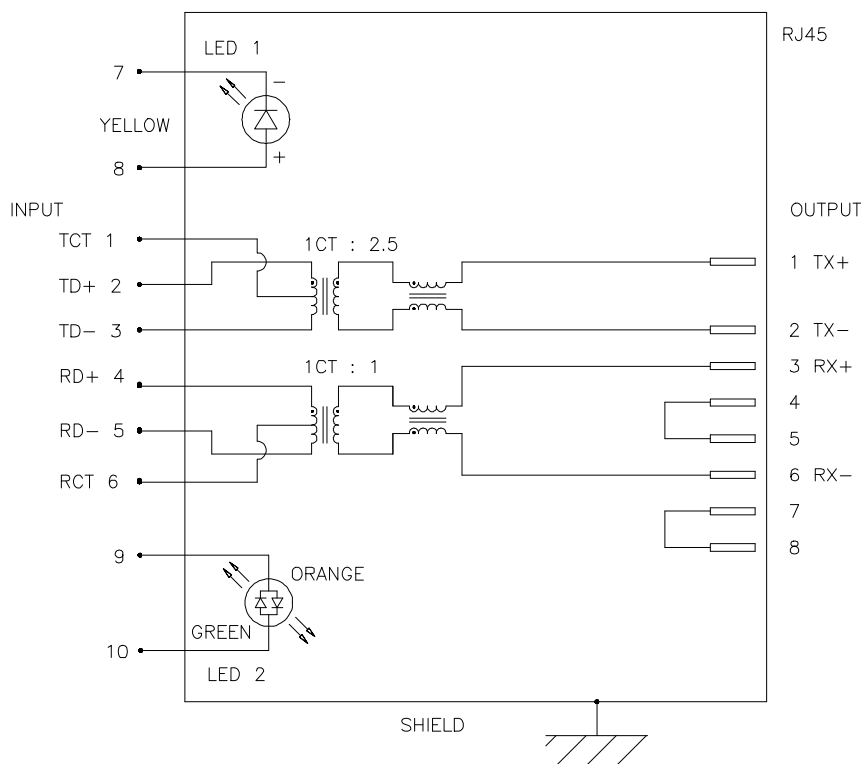
TIC-L051-11

- Meets IEEE 802.3 and ANSI X3.263
- Operating temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C

| Package Information |                       |                        |                          |
|---------------------|-----------------------|------------------------|--------------------------|
| Weight              |                       | Quantity               |                          |
| weight/pcs<br>(g)   | weight/carton<br>(kg) | quantity/tray<br>(pcs) | quantity/carton<br>(pcs) |
| 7.2                 | 3.4                   | 50                     | 250                      |



| Electrical Specification @ 25°C |                         |                  |                       |                   |       |                 |                  |
|---------------------------------|-------------------------|------------------|-----------------------|-------------------|-------|-----------------|------------------|
| Insertion Loss<br>(dB Max)      | Return Loss<br>(dB Min) | CMRR<br>(dB Min) | Crosstalk<br>(dB Min) | OCL<br>(μH Min)   |       | Hipot<br>(Vrms) | Impedance<br>(Ω) |
| 1-10<br>MHz                     | 1-10<br>MHz             | 1-100<br>MHz     | 1-10<br>MHz           | 100KHz<br>0.1Vrms |       | 1<br>minute     |                  |
|                                 |                         |                  |                       | (2-3)             | (4-5) |                 |                  |
| -1                              | -18                     | -30              | -40                   | 45                | 230   | 1500            | 100              |



PREPARED BY:

D. Rund

ENGINEER:

L. Le

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-13066  
ACAD\TTC\A1130661.DWG

REV  
PRE

RJ45  
INTEGRATED CONNECTOR  
**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TIC-L051-11

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 1 OF 2

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.

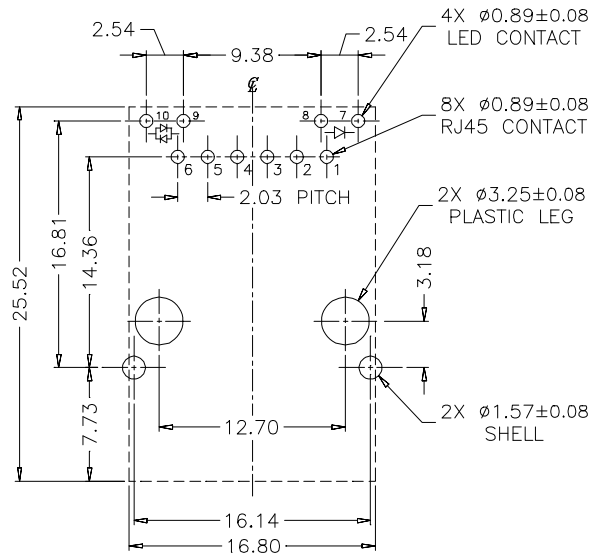
# RJ45 Integrated Connector

10 Base-T, Single Port, Through Hole, LEDs, Tap-up

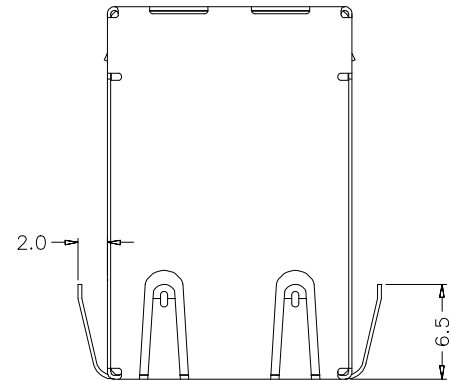
MODEL NUMBER

TIC-L051-11

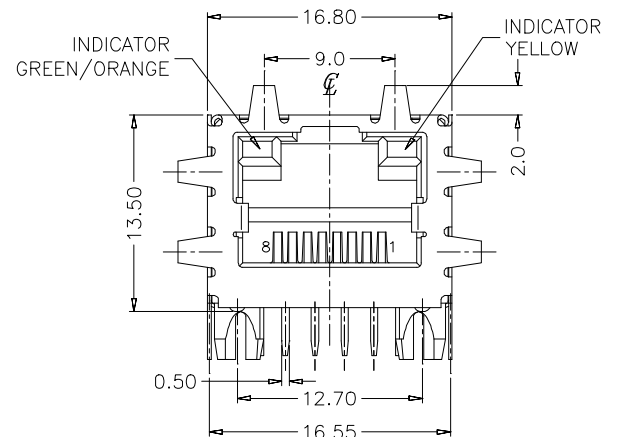
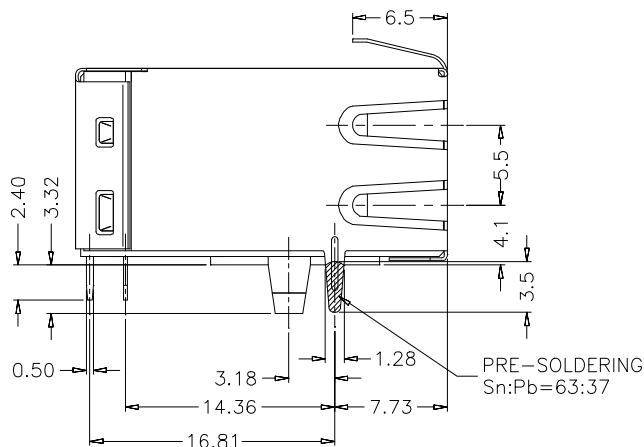
| Mechanical Material Specification |                 |                  |                 |                          |                  |                 |                                |                             |                        |
|-----------------------------------|-----------------|------------------|-----------------|--------------------------|------------------|-----------------|--------------------------------|-----------------------------|------------------------|
| Contact                           |                 |                  |                 |                          |                  |                 | Plastic Part                   |                             | Shell                  |
| RJ Contact                        |                 |                  |                 | RJ and LED Joint Contact |                  |                 | RJ Housing                     | Set Housing & Spacer Insert | Back                   |
| Contact Material                  | Contact Area    | Solder Tail Area | Under-plating   | Contact Material         | Finish           | Under-plating   |                                |                             |                        |
| Phosphor Bronze                   | Gold            | Tin/Lead (9:1)   | Nickel          | Brass                    | Tin/Lead (9:1)   | Nickel          | Thermoplastic, PC, Transparent | Thermoplastic PA6T, Black   | Stainless SUS 304-1/2H |
| 0.30 mm thick                     | 30 $\mu$ " Min. | 100 $\mu$ " Min. | 50 $\mu$ " Min. | 0.30mm thick             | 100 $\mu$ " Min. | 50 $\mu$ " Min. | UL 94V-0                       | UL 94V-0                    | 0.20 mm thick          |



RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
PCB THICKNESS : 1.60mm  
ALL DIMENSION TOLERANCE ARE  $\pm 0.05$   
UNLESS OTHERWISE SPECIFIED



GENERAL TOLERANCE

.XX  $\pm 0.13$ .X  $\pm 0.25$ 

PREPARED BY:

D. Rund

ENGINEER:

L. Le

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

DWG CONTROL NO.  
P-A1-13066  
ACAD\TTC\A1130662.DWG

REV

PRE

RJ45

INTEGRATED CONNECTOR

TAMURA CORPORATION OF AMERICA

43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(909) 699-1270 FAX 9096769482

TIC-L051-11

MODEL SPECIFICATION

DIM: mm(In) SCL: NONE SH: 2 OF 2

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.