

# APPROVAL SHEET

To :

Customer P/N :

UDE P/N : RT13-ZZ-0001

Description : RJ45 1X1 Tab Up

Sink

Pure Connector

Contact Area : Gold Flash

LED: L-Yellow;R-Green

Packing with Hard Tray



Spec No.  
RT1317002-00

Update Date  
2019/1/22

Revision  
B

Approved	Checked	Prepared



湧德電子 股份有限公司  
UDE Corp.

桃園市(33852) 蘆竹區內溪路 68 巷13號

No.13, Ln. 68, Neixi Rd., Luzhu Dist., Taoyuan City (33852), Taiwan

TEL: 886-3-3242000 FAX: 886-3-3246611

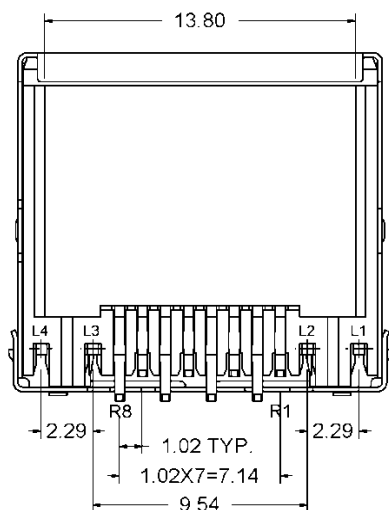
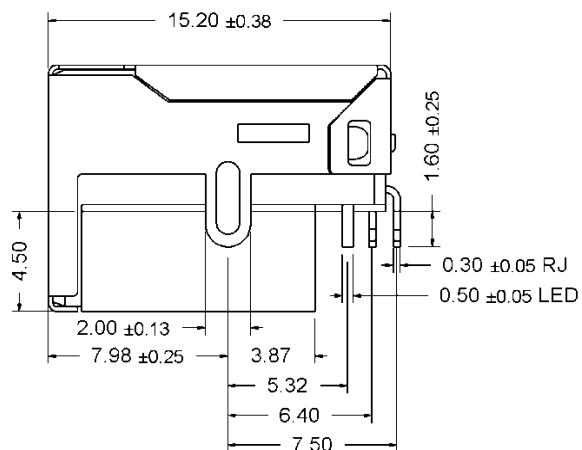
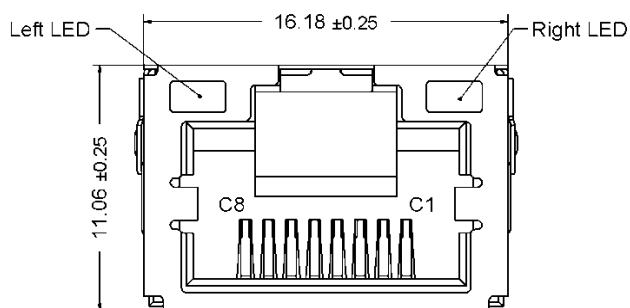
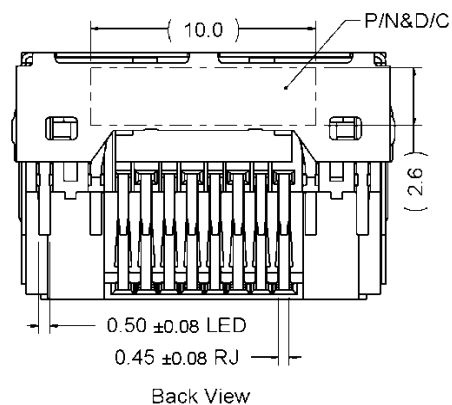
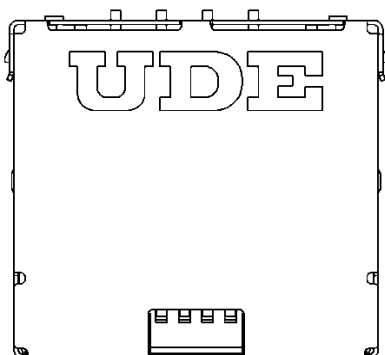
<http://www.ude-corp.com/>

## 1. MECHANICAL DIMENSION

## 1.1 Product Dimension

Unit : mm

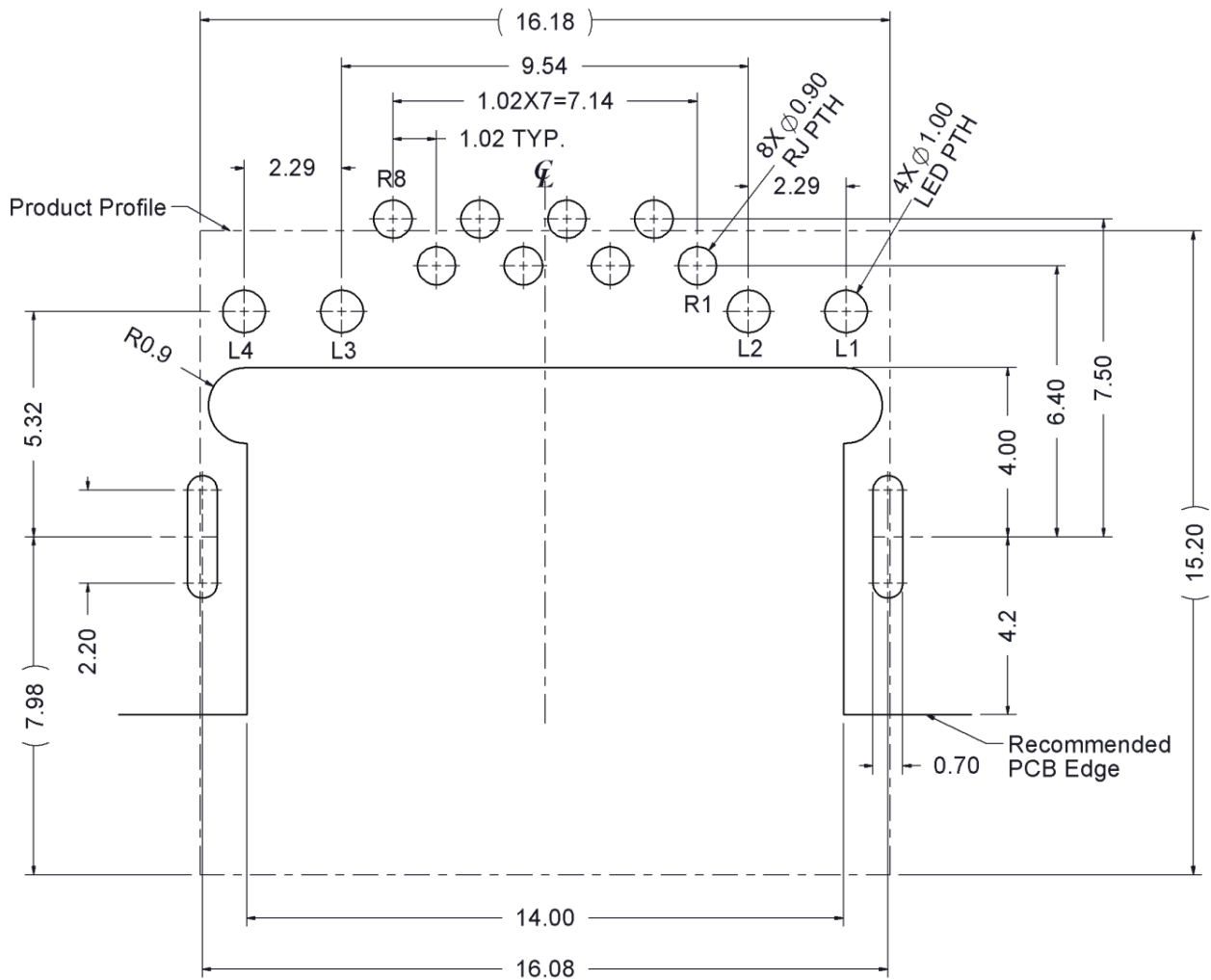
General Tolerance : X.X :  $\pm 0.38$   
X.XX :  $\pm 0.20$



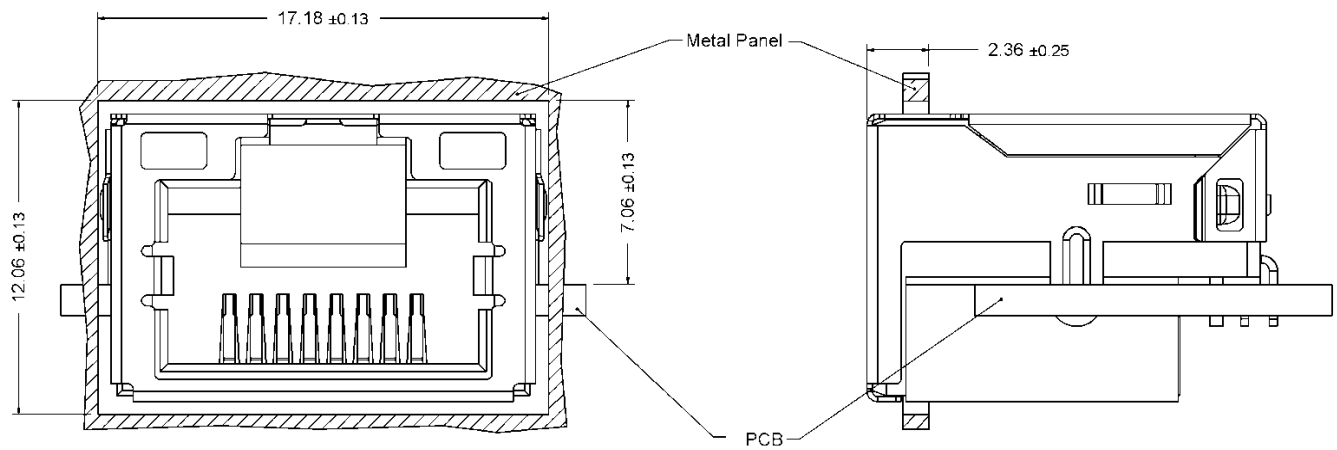
## 1.2 Recommended PCB Layout

### Component Side of Board

All dimension tolerance are  $\pm 0.05\text{mm}$  unless otherwise specified



### 1.3 Recommended Panel Cutout



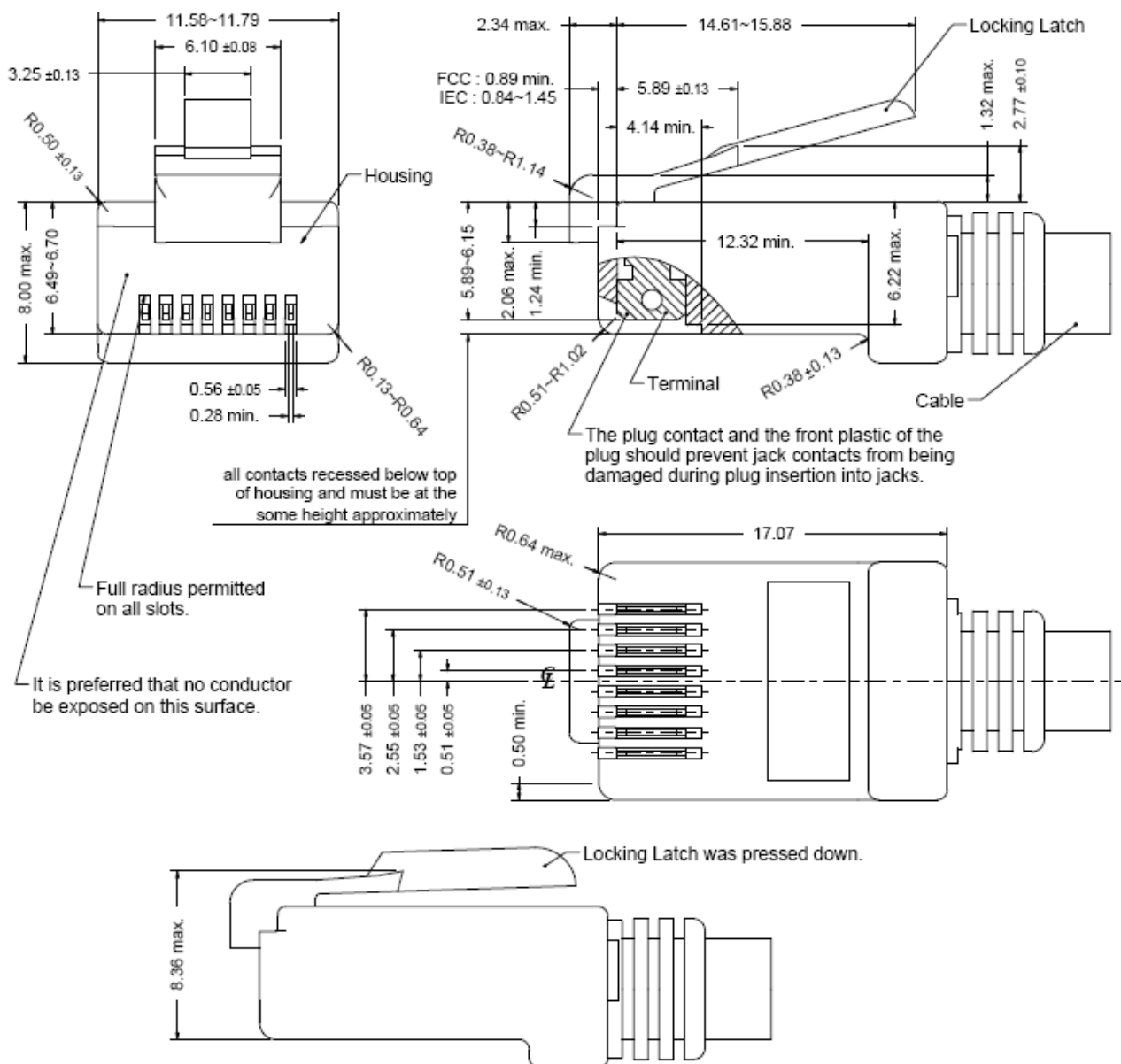
### 1.4 Packing Information

77 pcs finished goods per tray

11 trays(770 pcs finished goods) per inner box

4 Inner boxes(3080 pcs finished goods) per master carton

## 1.5 Standard RJ45 Plug Specification



- All dimensions follow :

FCC subpart F, 68,500, Figure (C)(2)(i) & (C)(2)(ii) & (C)(3)(i)

IEC 60603-7

- All plugs must be meeting the requirements of plug Go & No-Go gauge.

Gauge follow : FCC subpart F, 68,500, Figure (C)(4)(i) & (C)(5)(i)

- There must be no damage to Housing and Locking Latch.

- There must be no nicks and cuts in cable.

- Durability : 750 cycles generally

## 2. REQUIREMENTS

### 2.1 Design and Construction

Product shall be of design, construction and physical dimensions specified on applicable.

### 2.2 Material

#### 2.2.1 Terminal Parts (Underplating : 50 $\mu$ " min. Nickel overall)

##### 2.2.1.1 RJ Terminal : Phosphor Bronze, Thickness=0.30mm

Finish : Contact Area : Gold Flash

Finish : Solder Tail : 100 $\mu$ " min. Matte Tin

#### 2.2.2 Plastic Parts <UL94V-0>

##### 2.2.2.1 Housing : LCP, Black

#### 2.2.3 Shield Parts

##### 2.2.3.1 Shield Parts : Brass, Thickness=0.20mm

Finish : 30 $\mu$ " min. Nickel overall

### 2.3 Operating and Storage Temperature

Operating Temperature : -40°C to +85°C

Storage Temperature : -40°C to +85°C

### 2.4 RJ45 specifications

Current Rating: 1.5A max

Voltage Rating: 150VAC max

Insulation Resistance : 500MΩ min.

Insertion force with the latch depressed : 20N max

Removal force with the latch depressed : 20N max

Locking Force of Plug Latch : 50N min. @ 60+/-5 sec

Durability : 750 cycles

### 2.5 Performance and Test Description

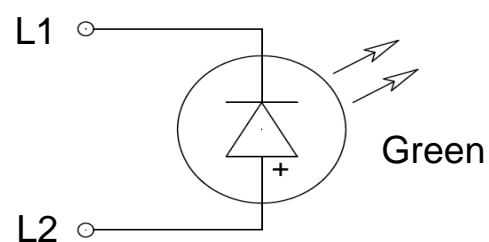
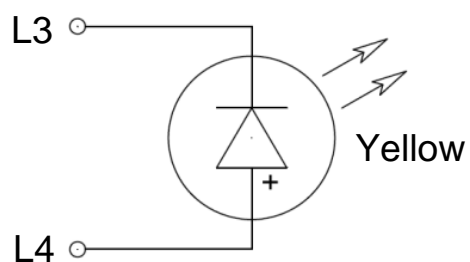
Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

### 2.6 Packaging and Packing

All parts shall be packaged and packed to protect against physical damage 、 corrosion and deterioration during shipment and storage.

### 3. ELECTRICAL CHARACTERISTICS

#### 3.1 LED



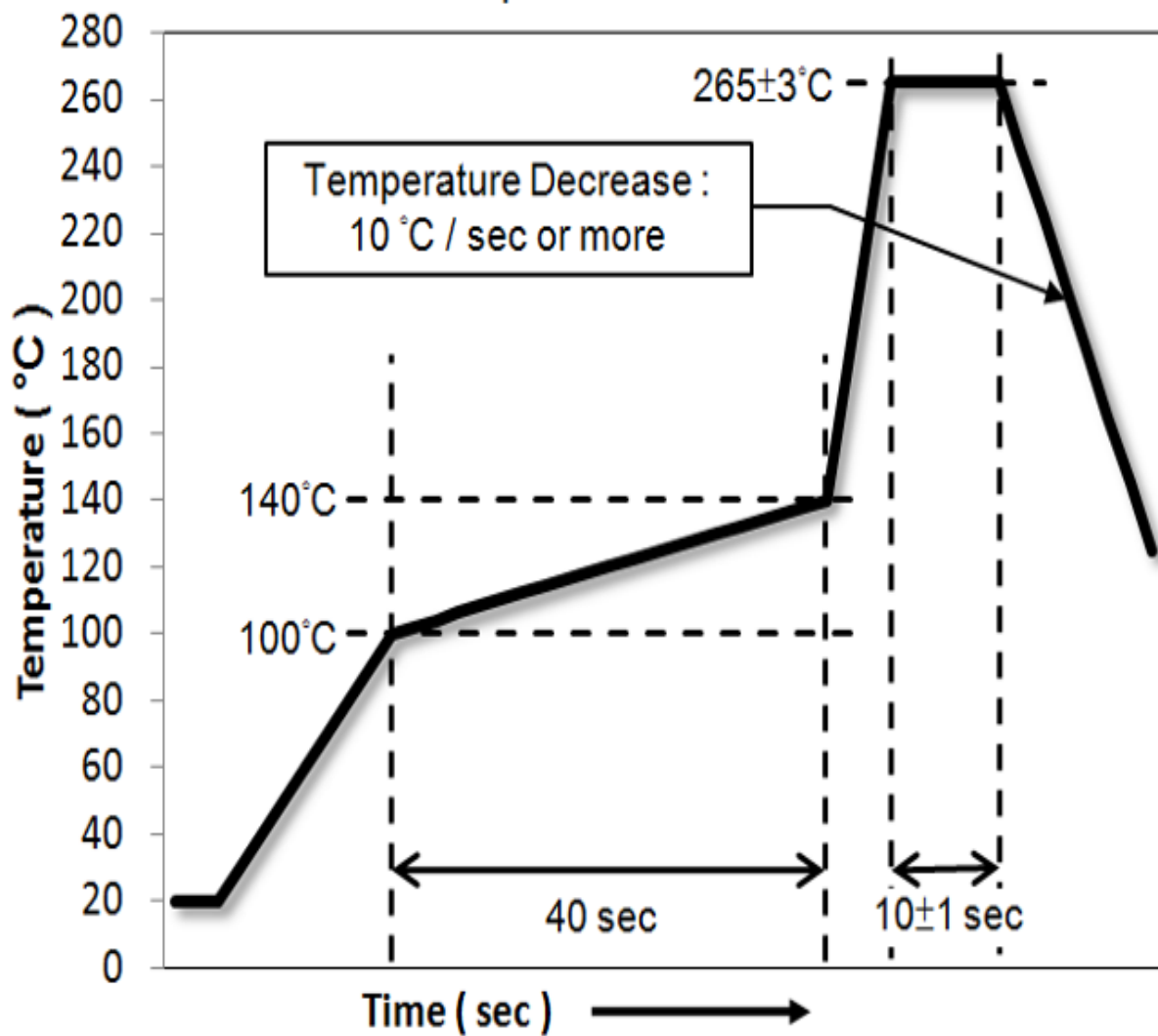
Emitting Color	$\lambda_p$ (nm)	$V_f$ @ $I_f=20\text{mA}$	$I_r$ @ $V_r=5\text{V}$
Green	570	1.7 ~2.6 V	10 $\mu\text{A}$ max.
Yellow	588	1.7 ~2.6 V	10 $\mu\text{A}$ max.



## 4. DIPPING TEMPERATURE PROFILE

## Note :

The measuring point for the specified temperature shall be on the soldered part of the lead.



## 5. Revision History

[illegible]