APPROVAL SHEET

To：

Customer P/N：

UDE P/N： RM42-ZZ-0005

Description： RJ45 Multiport 2X4
Through Hole
Pure Connector
Contact Area : Gold Flash
LED: L-Green;R-Yellow
Packing With Hard Tray

RoHS

Spec No.	Update Date	Revision
RM4218008-00	2018/6/20	A

Approved	Checked	Prepared

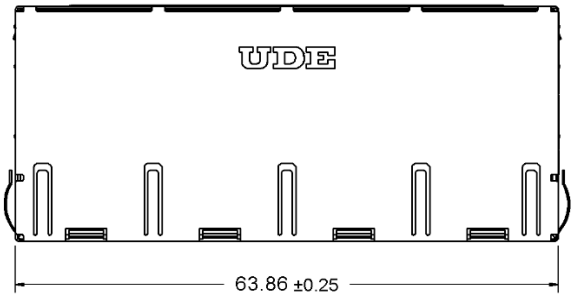
UDE

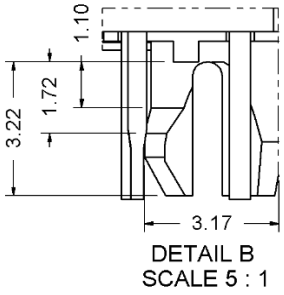
湧德電子 股份有限公司 UDE Corp.
桃園市(33852) 蘆竹區內溪路 68 巷13號
No.13, Ln. 68, Neixi Rd., Luzhu Dist., Taoyuan City (33852), Taiwan
TEL: 886-3-3242000 FAX: 886-3-3246611
http://www.ude-corp.com/

1. MECHANICAL DIMENSION

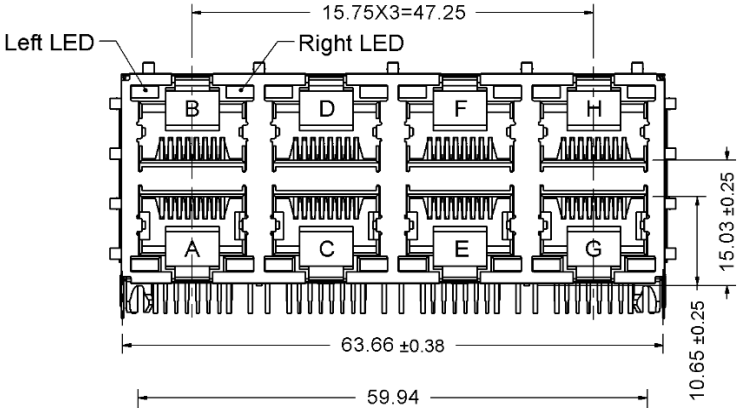
1.1 Product Dimension

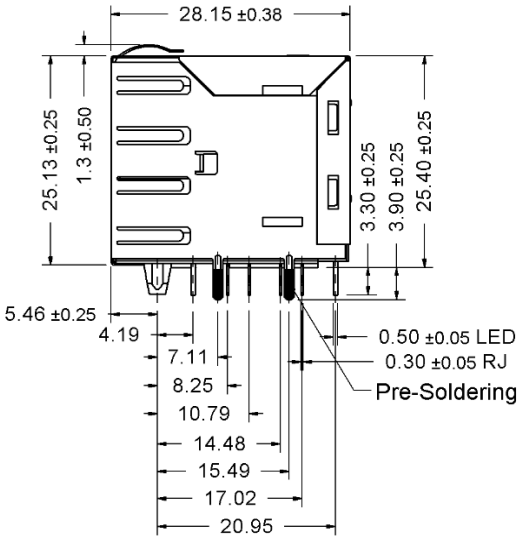
Unit:mm	General Tolerance :	X.X : ± 0.38 X.XX : ± 0.20

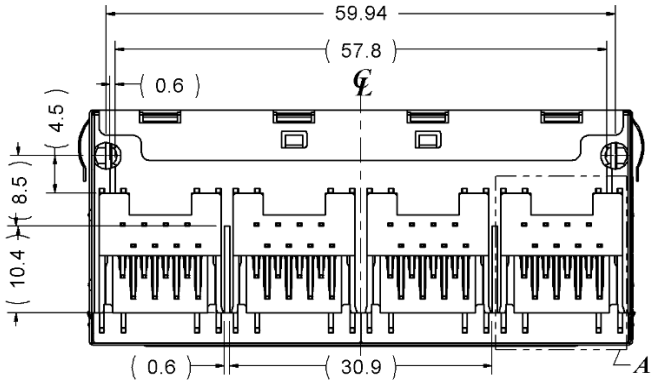


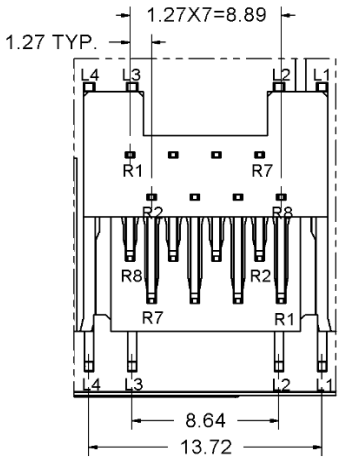


DETAIL B
SCALE 5 : 1

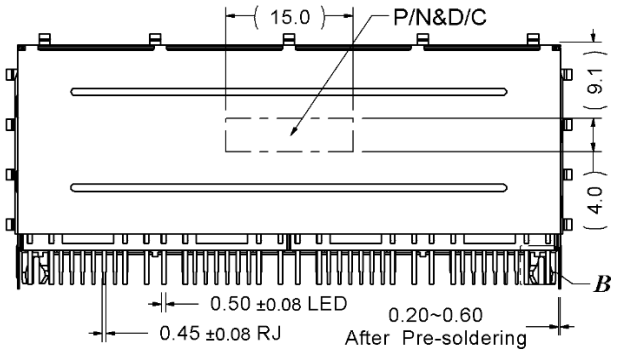








DETAIL A
SCALE 2 : 1



Back View

1.2 Recommended PCB Layout

Component Side of Board

All dimension tolerances are ±0.05mm unless otherwise specified

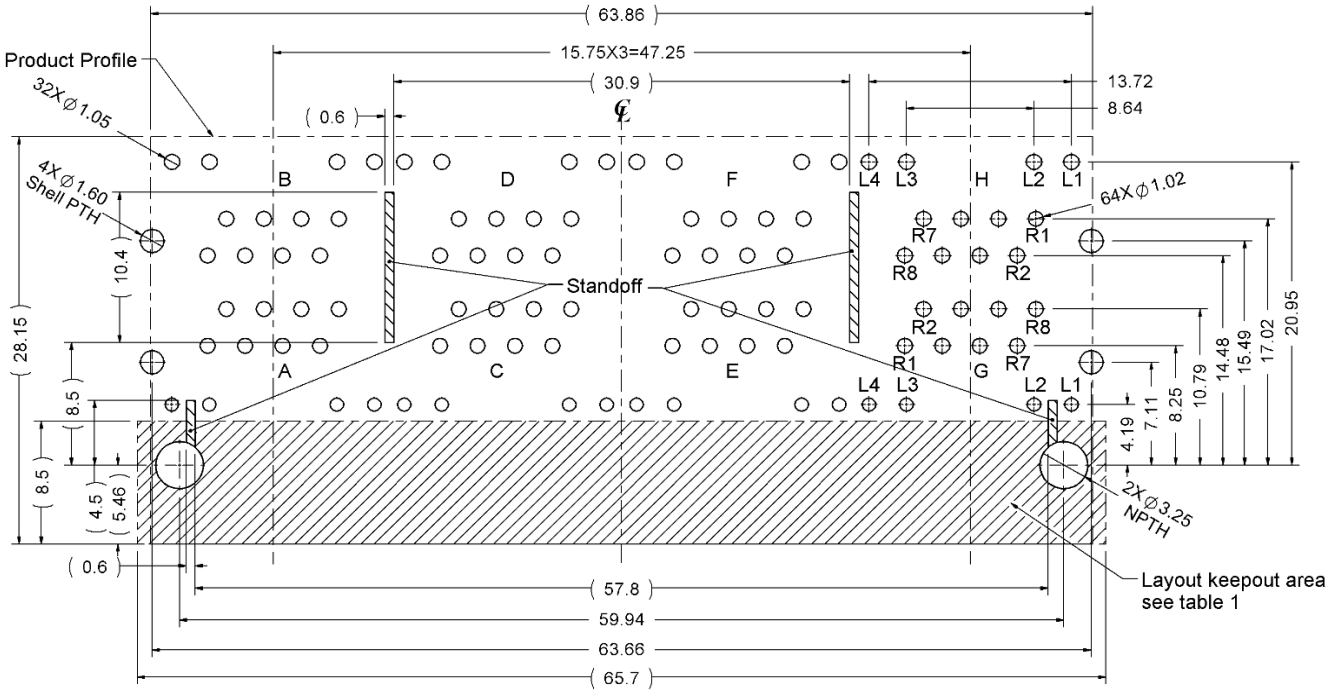
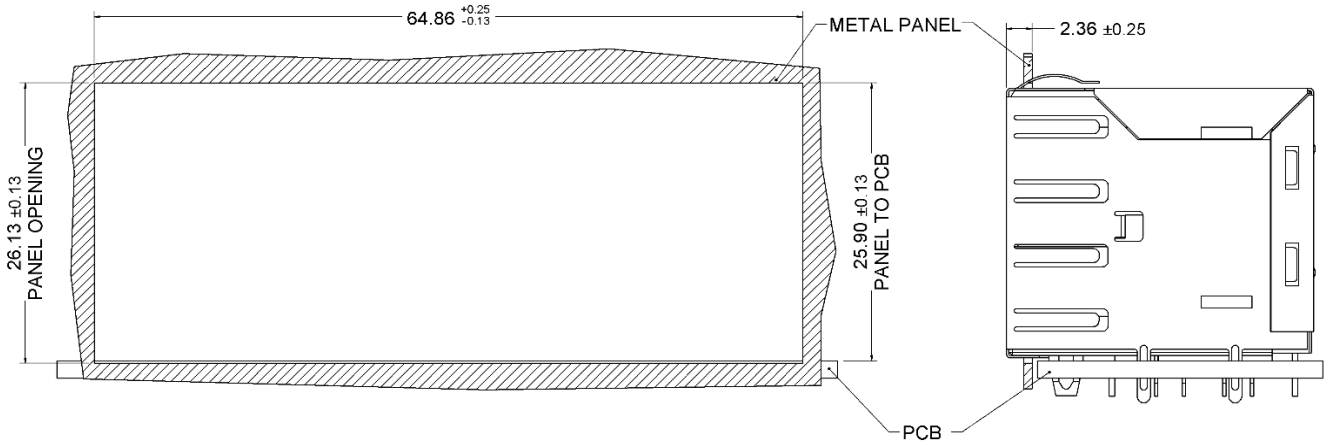


Table1

Layer \ Layout	Trace	compo-nent	Groun-ding	Test Point	Via Hole	PTH	NPTH
Component side	X	X	O	X	X	X	O
Inner layer	O	NA	O	NA	O	X	O
Bottom side	O	O	O	O	O	X	O

X--Forbid; O--OK; NA--Not Applicable.

1.3 Recommended Panel Cutout



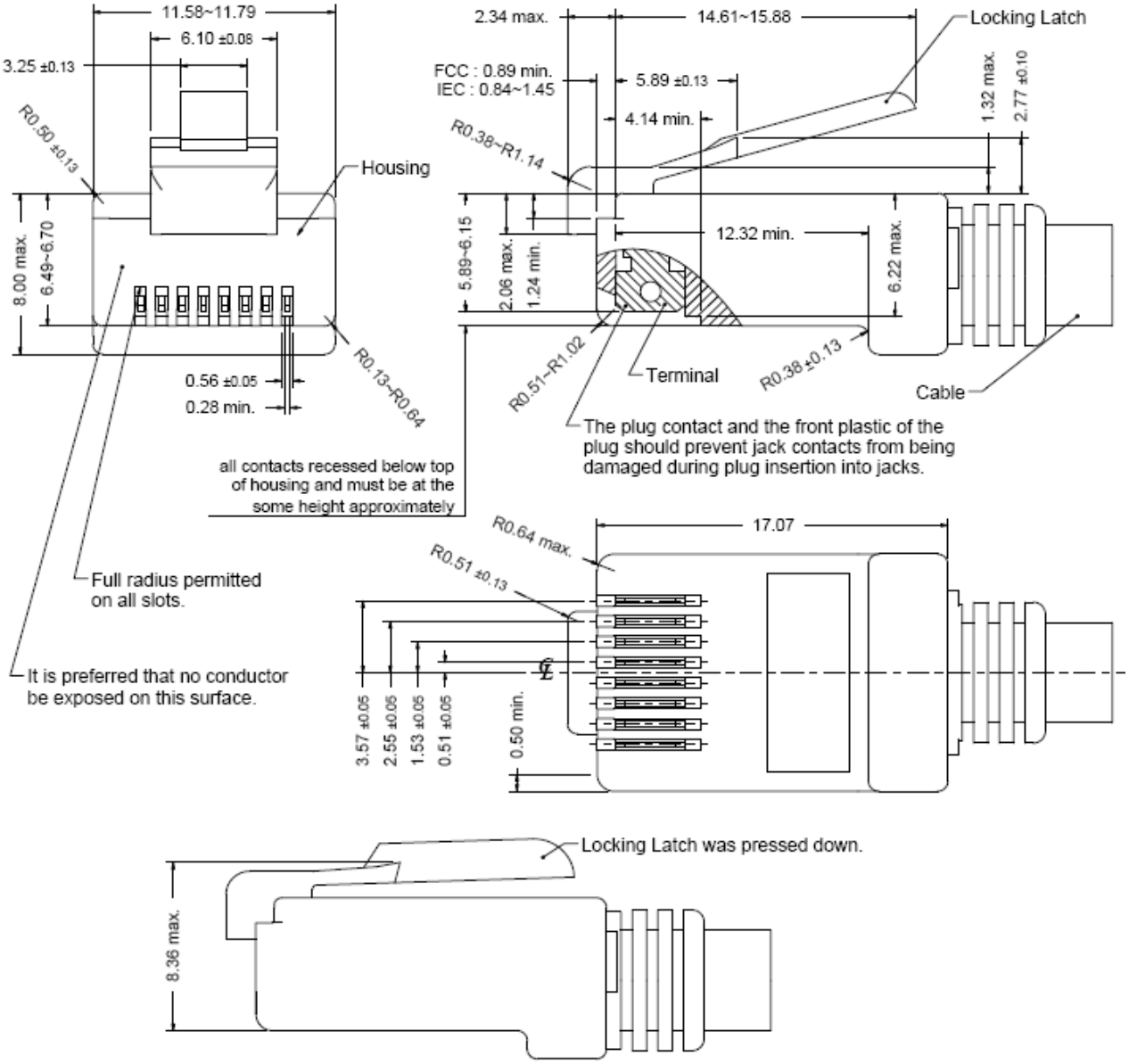
1.4 Packing Information

16 pcs finished goods per tray

5 trays(64 pcs finished goods) per inner box

4 Inner boxes(256 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 : 50μ" min. Nickel overall)

2.2.1.1 RJ Terminal "1" : Phosphor Bronze, Thickness=0.30mm

Finish : Contact Area : Gold Flash

Finish : Solder Tail : 100μ" min. Matte Tin

2.2.1.2 RJ Terminal "2" : Phosphor Bronze, Thickness=0.30mm

Finish : Contact Area : Gold Flash

Finish : Solder Tail : 100μ" min. Matte Tin

2.2.2 Plastic Parts <UL94V-0>

2.2.2.1 Housing : PBT , Black

2.2.2.2 Insert : PBT , Black

2.2.2.2 Cover : PBT , Black

2.2.3 Shield Parts

2.2.3.1 Shield : Stainless Steel, Thickness=0.20mm, Pre-soldering

2.3 Operating and Storage Temperature

Operating Temperature : -40℃ to +85℃

Storage Temperature : -40℃ to +85℃

2.4 RJ45 specifications

Current Rating: 1.5A max

Voltage Rating: 125VAC 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

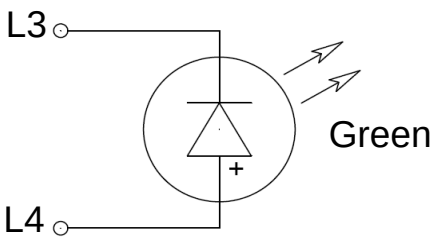
2.5 Performance and Test Description

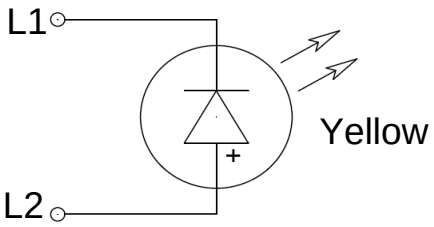
Product is designed to meet electrical, mechanical and environmental performance requirements specified in below table. All tests are performed at ambient environmental conditions per MIL-STD-1344A and EIA-364 unless otherwise specified.

2.6 Packaging and Packing

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

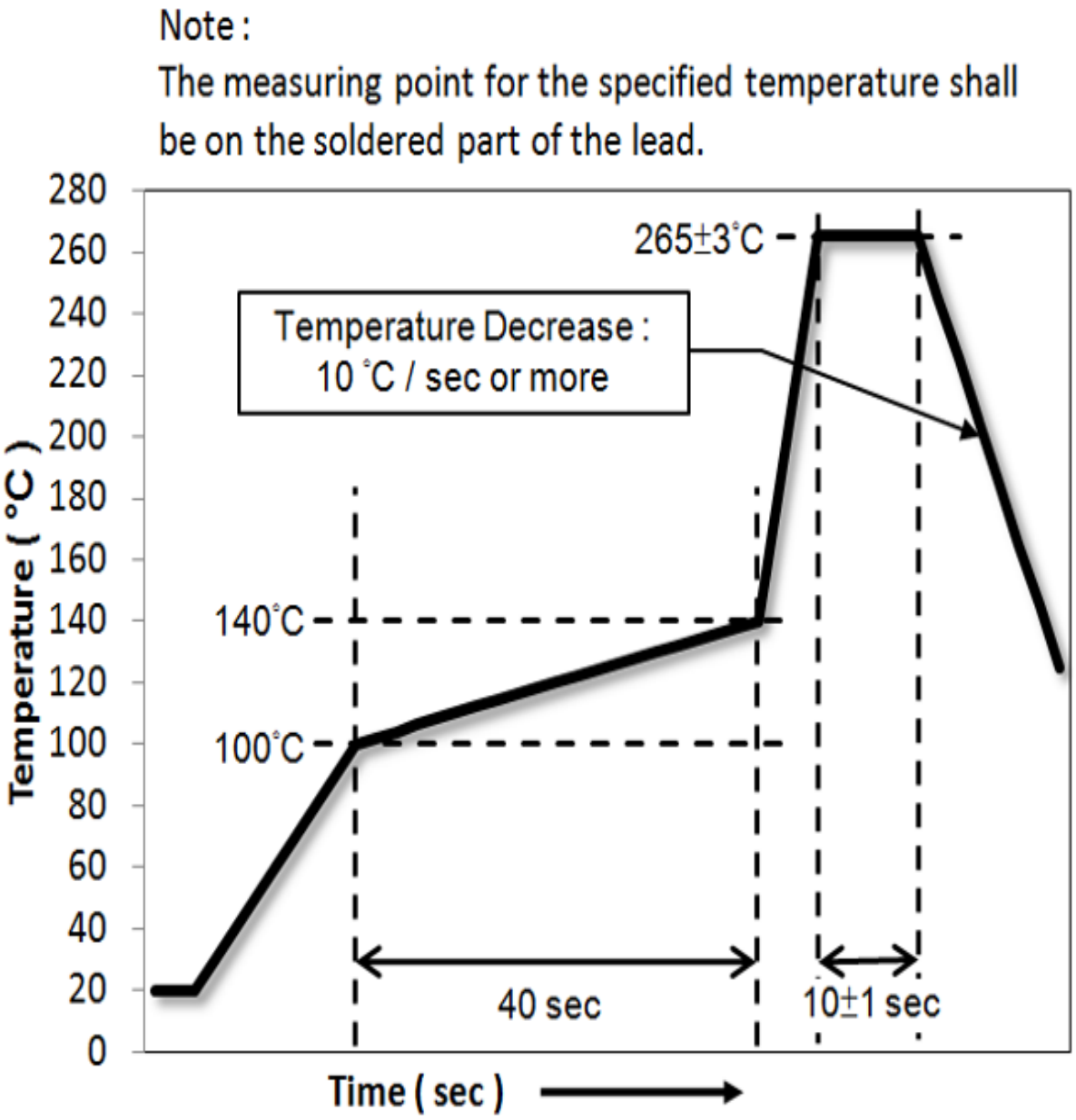
3. LED





Emitting Color	λ_p (nm)	Vf @If=20mA	Ir @Vr=5V
Yellow	588	1.7 ~2.6 V	10μA max.
Green	570	1.7 ~2.6 V	10μA max.

4. WAVE SOLDERING TEMPERATURE PROFILE



5. Revision History

Issue Date	Revision	Comments	Operator
2018/6/20	A	Initial Release .	Ken