

APPROVAL SHEET

To :

Customer P/N :

UDE P/N : RM21-ZZ-0002

Description : RJ45 Multiport 2X2

Through Hole

Pure Connector

Contact Area : 6 μ " min. Gold

LED: L-Green;R-Green



Spec No.
RM2117003-00

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2017/8/26

Revision
A

Approved	Checked	Prepared



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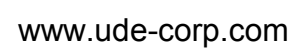
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1.1 Product Dimension

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



1.2 Recommended PCB Layout

Component Side of Board

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

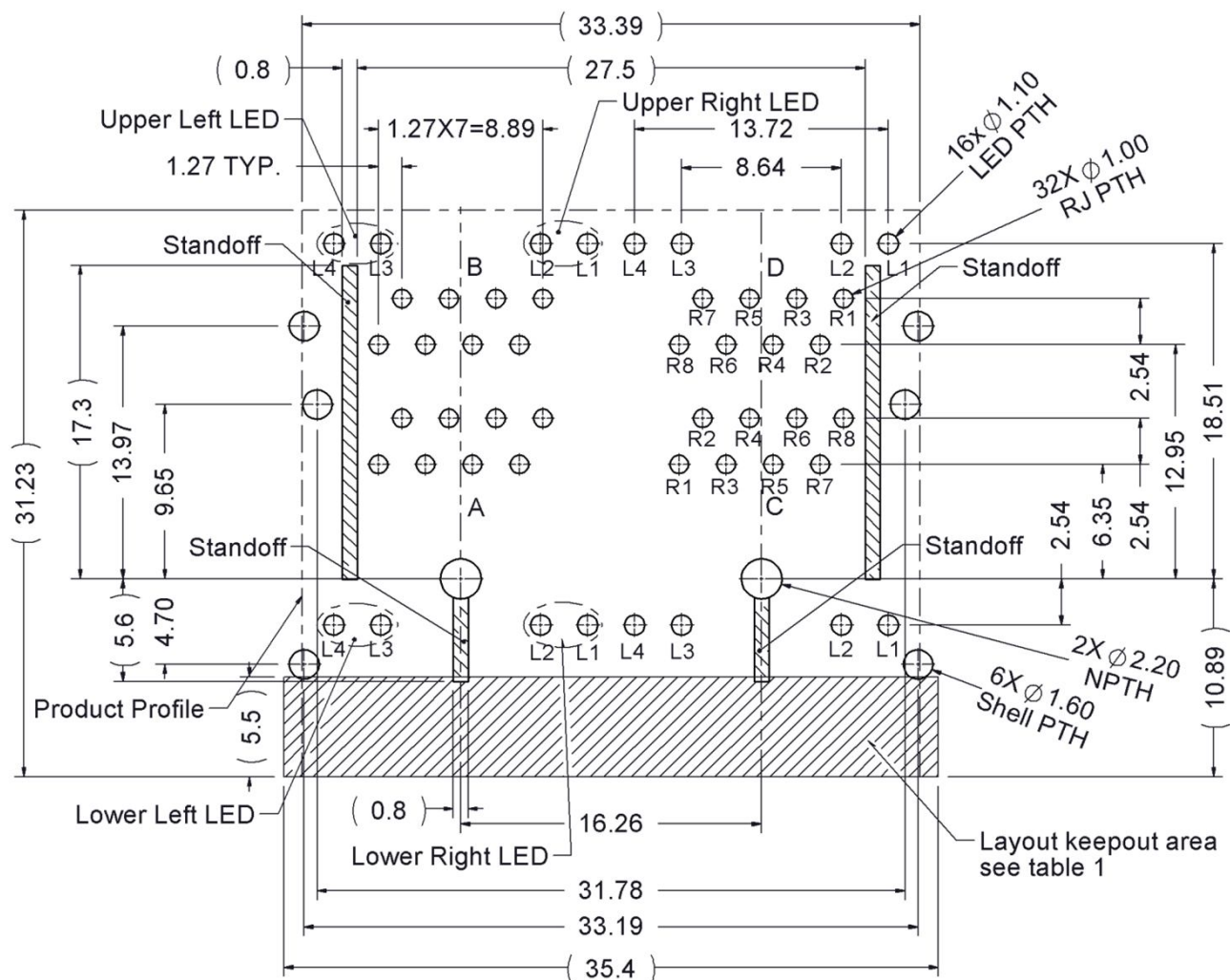
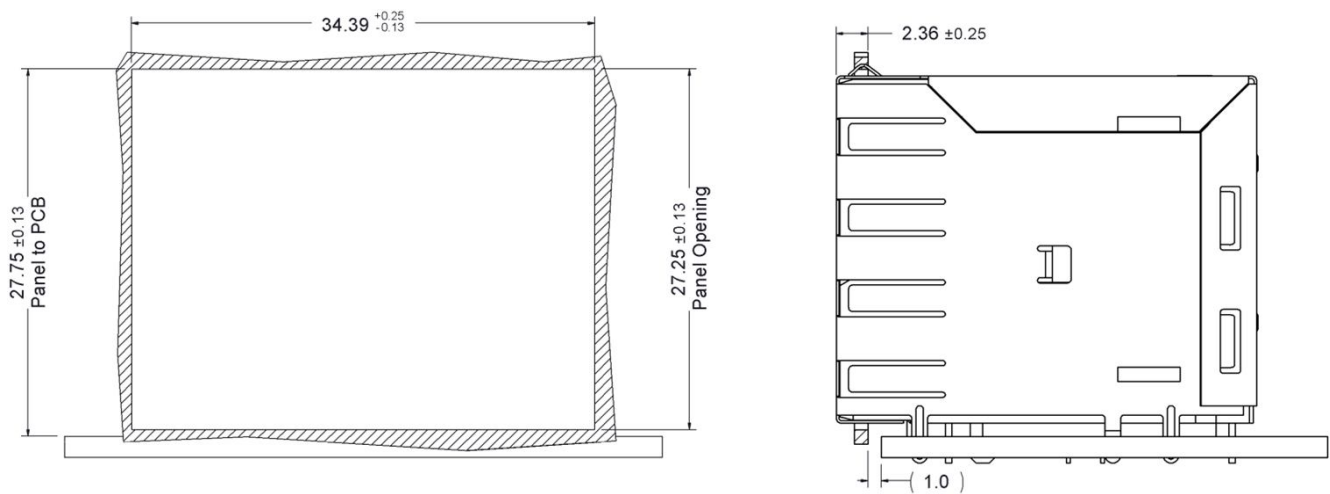


Table1

Layout Layer	Trace	component	Grounding	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



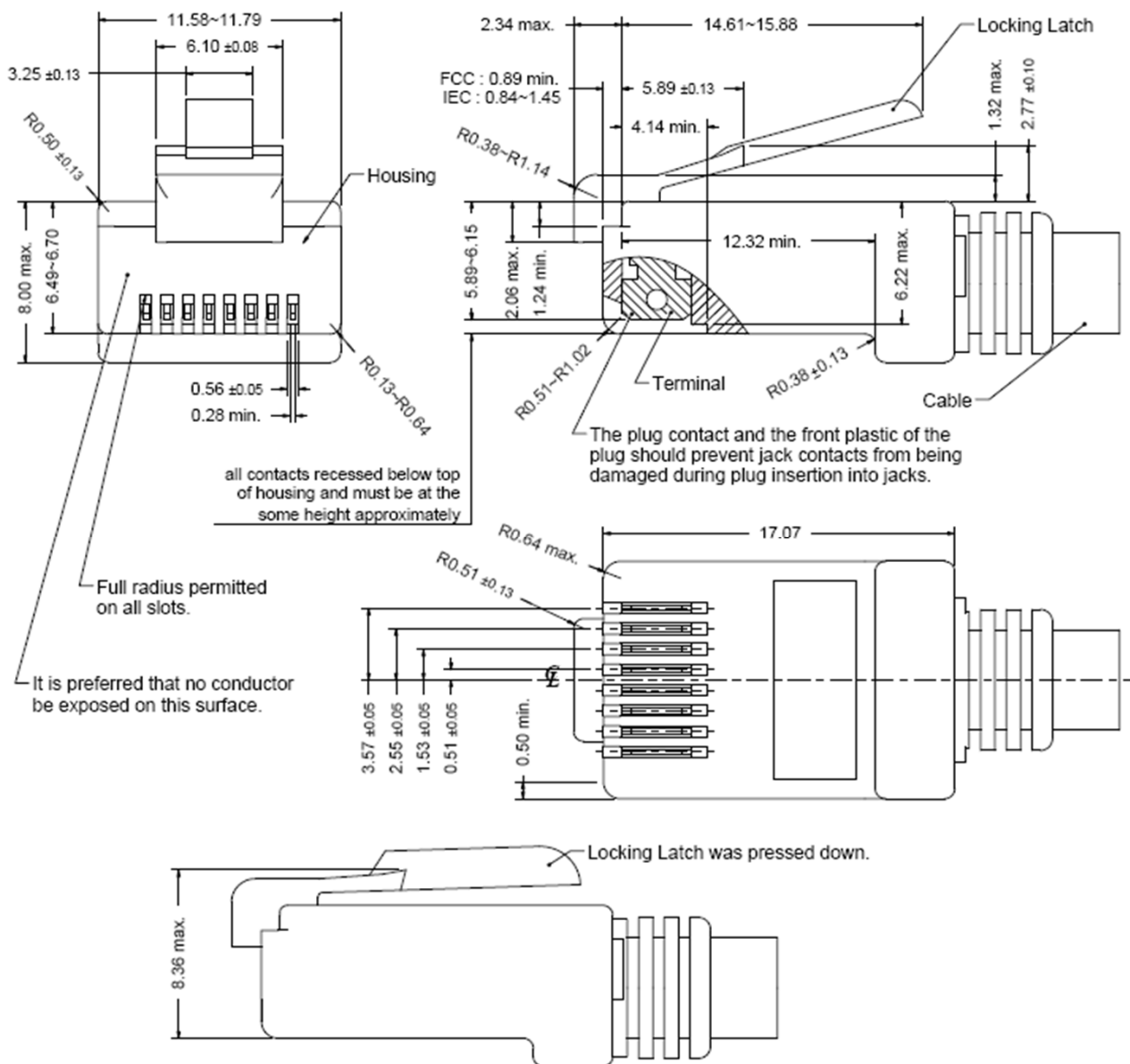
1.4 Packing Information

20 pcs finished goods per tray

5 trays(80 pcs finished goods) per inner box

4 Inner boxes(320 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 : 6μ" min. Gold

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

Finish : Contact Area : 6μ" min. Gold

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°C to +85°C

Storage Temperature : -40°C to +85°C

2.4 RJ45 specifications

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 : 2500 cycles

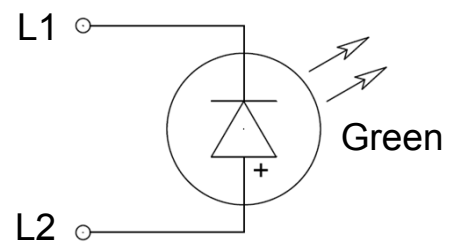
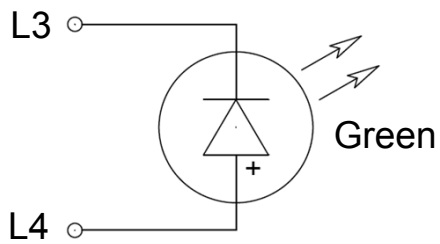
2.5 Performance and Test Description

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)	$V_f @ I_f=20\text{mA}$	$I_r @ V_r=5\text{V}$
Green	570	1.7 ~2.6 V	10 μA max.

4. WAVE SOLDERING TEMPERATURE PROFILEFILE

Note :

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

