

1. MECHANICAL DIMENSIONS :

| REV. | CHANGGE DESCRIPTION | DATE |
|------|---------------------|-----------|
| A | New Issue | 2015-9-16 |
| | | |

NOTES:

1. MATERIALS:

HOUSING: PBT POLYESTER, UL94V-0, BLACK

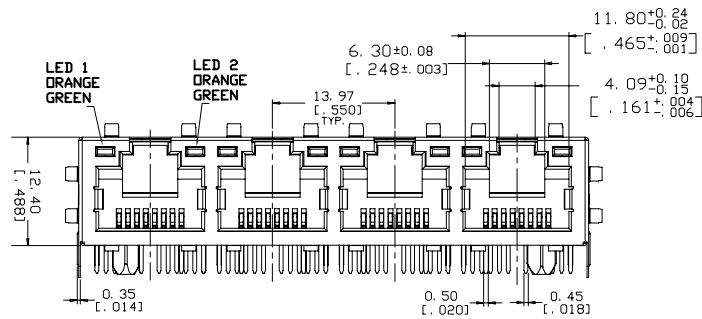
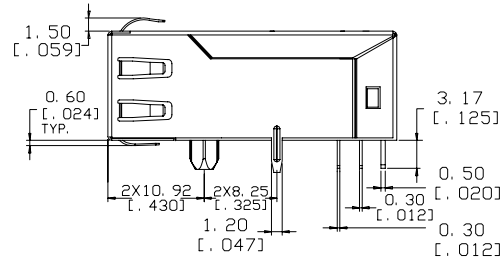
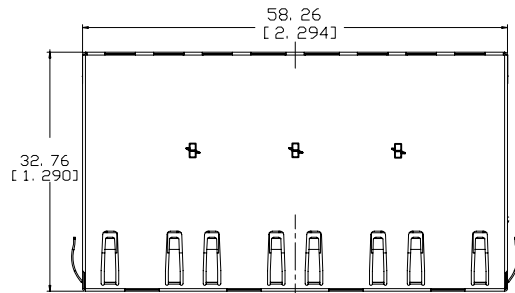
CONTACTS: 0.35mm THICK PHOS-BRONZE PLATED WITH 50u" GOLD AND TIN IN SOLDER AREA.

SHIELD: 0.25mm THICK COPPER ALLOY, PLATED WITH NICKEL.

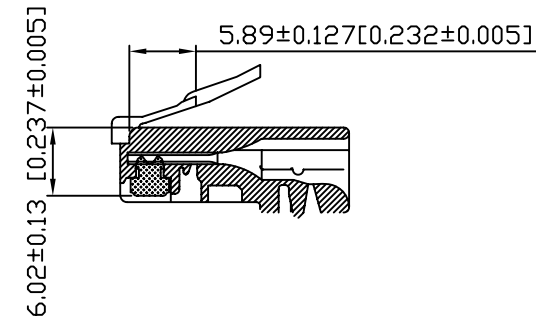
2. OPERATING TEMPERATURE: 0°C TO +70°C

3. CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.

4. UNSPECIFIED TOLERANCE: .XX ±0.25 [0.010] .X ±0.30 [0.012]



RECOMMENED PLUG DIMENSION:



RoHS Compliant

TAG

泰安吉科技有限公司
TAG TECHNOLOGY CO., LTD.

A4
SIZE

TAG PART NO.:
T29-071-N01-015

VENDOR PART NO.:

Drawn: Rita

Designed: Evan

Approved: Paul Li

Date : 2015-9-16

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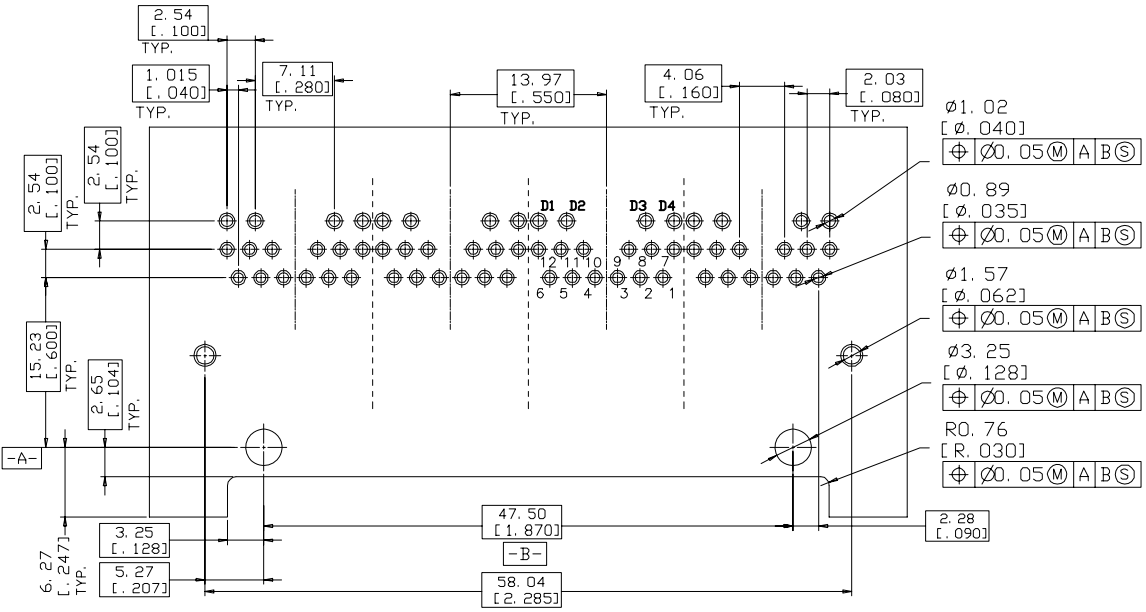
THIRD ANGLE
PROJECTION

DESCRIPTION:
10G Base-T RJ45 1X4

| UNIT | mm[inch] | USED ON |
|-------|----------|---------|
| SHEET | 1 | OF 3 |
| REV. | A | |

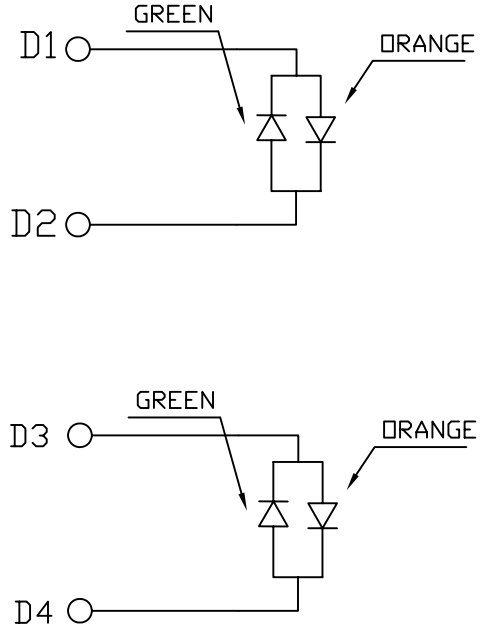
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2. PCB LAYOUT :



RECOMMENDED PC BOARD LAYOUT AS VIEWED FROM COMPONENT SIDE

3. LED CONFIGURATION :



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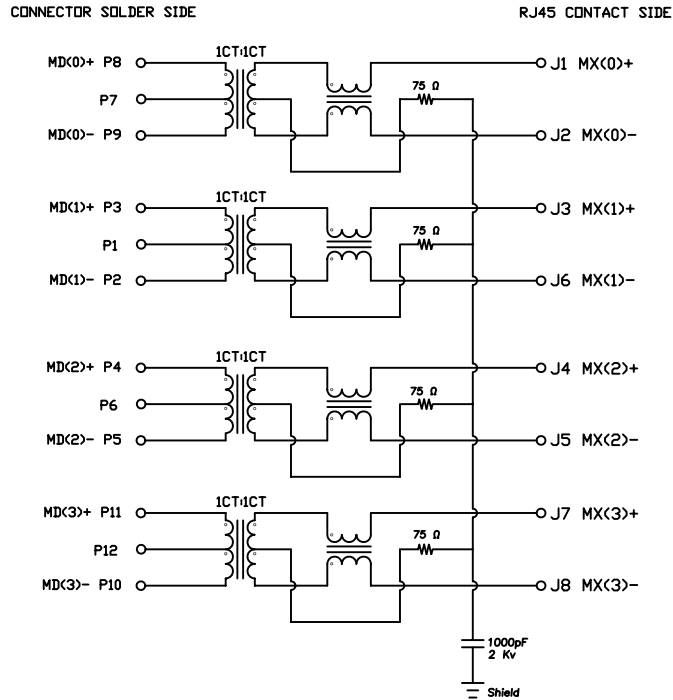


DESCRIPTION:
10G Base-T RJ45 1X4

| UNIT | mm | USED ON |
|-------|----|---------|
| SHEET | 2 | OF 3 |

REV. A

4. SCHEMATIC:



| REV. | CHANGGE DESCRIPTION | DATE |
|------|---------------------|-----------|
| A | New Issue | 2015-4-13 |

5. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V);
PINS:(P8,P9):(J1,J2)=1:1±3%;(P3,P2):(J3,J6)=1:1±3%;
PINS:(P4,P5):(J4,J5)=1:1±3%;(P11,P10):(J7,J8)=1:1±3%
- LX:(100KHz,100mv)
PINS:(P8,P9),(P3,P2),(P4,P5),(P11,P10)=140uH MINIMUM
- DCR:
PINS:(J1,J2),(J3,J6),(J4,J5),(J7,J8)=1.2 Ω MAXIMUM
- HIPDT:
PINS(P8,P9)TO(J1,J2),(P3,P2)TO(J3,J6)=2250V/DC FOR 60 SECONDS
- INSERTION LOSS:
-1.0dB Max AT 1MHz TO 50MHz
-1.5dB Max AT 50MHz TO 200MHz
-2.0dB Max AT 200MHz TO 400MHz
-3.0dB Max AT 400MHz TO 500MHz
- RETURN LOSS:
-18dB Min AT 1MHz
-13dB Min AT 2MHz TO 100MHz
-10dB Min AT 100MHz TO 200MHz
-7dB Min AT 200MHz TO 400MHz
-6dB Min AT 400MHz TO 500MHz
- Cross Talk:
-30dB Min AT 1MHz TO 100MHz
-18dB Min AT 100MHz TO 500MHz

T29-071-N01-015

PRODUCT SERIES
LED COLOR OPTION
LED POLARITY
CIRCUIT TYPE
8CORE 10G Mbps
TERMINAL CONTACT AREAR PLATING CODE
5: Au 50u"
MECHANIAL SERIES

| | | | | | | | |
|--|------------------------|-------------------------------------|------------------|----|-----------|----------------------|---|
| TAG 泰安吉科技有限公司 TAG TECHNOLOGY CO., LTD. | A4 SIZE | TAG PART NO.: T29-071-N01-015 | VENDOR PART NO.: | | Drawn: | Rita | |
| | | | | | Designed: | Evan | |
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| | | | SHEET | 3 | OF | | 3 |