NOTES:

1. CONNECTOR MATERIAL:

HOUISING:THERMOPLASTIC BLACK UL94 V-O SHIELD:Brass
SHIELD PLATING:NICKEL
CONTACT:PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 30 MICRO-INCHS MIN IN CONTACT AREA

2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITtED SEE ELECTRICAL DRAWING FOR OMITTED PINS
3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
4. THE PART IS RECOMMENDDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS $260^{\circ} \mathrm{C}$ MAX, 10 SECS MAX
5. OPERATING TEMPERATURE $\mathrm{T}=-40^{\circ} \mathrm{C}$ TO $+85^{\circ} \mathrm{C}$.
6. STORAGE TEMPERATURE $T=-40^{\circ} \mathrm{C}$ TO $+85^{\circ} \mathrm{C}$.
7. PACKAGING INFORMATION: 50 PCS/ TRAY, 1200 PCS/BOX.


FINAL OUTLINL
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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CONN,RJ45,1X1,1GD,1:1,TU | JXDO-0015 NL-X1 | - | 1 OF 3 | JXDO-0015NL | 1 |



P10。
P12- $\quad$ を' GREEN
P11+o

$$
\begin{aligned}
& \text { P14-o } \Delta^{\prime} \text { YELLOW } \\
& \text { P13+o }
\end{aligned}
$$

[^0]Electronical Specifications:
1.0 Turn Ratio @100KHz:
(P9~P8):(J1~J2) $=1: 1 \pm 5 \%$
(P7~P6):(J3~J6) $=1: 1 \pm 5 \%$
(P5~P4):(J4~J5) $=1: 1 \pm 5 \%$
(P3~P2):(J7~J8) $=1: 1 \pm 5 \%$
2.0 Primary Inductance: 350 uH MIN @100KHZ, 0.1 V 8 mA DC BIAS
3.0 DC Resistance:
1.2 OHMS MAX
4.0 Insertion Loss:
$1-100 \mathrm{MHz}$
-1.0dB MAX $100-125 \mathrm{MHz} \quad-1.2 \mathrm{~dB}$ MAX
$1-40 \mathrm{MHz}$ $40-60 \mathrm{MHz}$ $-60 \mathrm{MHz}-12 \mathrm{~dB}$ MIN $60-80 \mathrm{MHz} \quad-10 \mathrm{~dB}$ MIN $80-100 \mathrm{MHz} \quad-8 \mathrm{~dB}$ MIN
6.0 CROSS TALK: $\quad 1-100 \mathrm{MHz} \quad-30 \mathrm{~dB}$ MIN
7.0 COMMON TO COMMON MODE ATTENUATION: $1-100 \mathrm{MHz} \quad-30 \mathrm{~dB}$ MIN 8.0 Isolation: PHY Side to Line Side: 2250VDC

LED SPECIFICATION

| STANDARD LED | WAVELENGTH | Forward Current | Forward V(max) | TYP |
| :--- | :---: | :---: | :---: | :---: |
| GREEN | 565 nm | 20 mA | 2.4 V | 2.2 V |
| YELLOW | 590 nm | 20 mA | 2.5 V | 2.1 V |

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| :---: | :---: | :---: | :---: | :---: | :---: |
| CONN,RJ45,1X1,1GD,1:1,TU | JXDO-0015NL-X1 | - | 2 OF 3 | JXDO-0015NL | P1 |

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RECOMMENDED PWB LAYOUT (COMPONENT SIDE SHOWN)


SUGGESTED PANEL CUTOUT

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.
$\mathrm{X} . \mathrm{XX}= \pm 0.25$ [ $\pm .010]$
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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CONN,RJ45,1X1,1GD,1:1,TU | JXD1-0015NL-X1 | - | 3 OF 3 | JXD1-0015NL | P1 |

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[^0]:    SCHEMATIC

