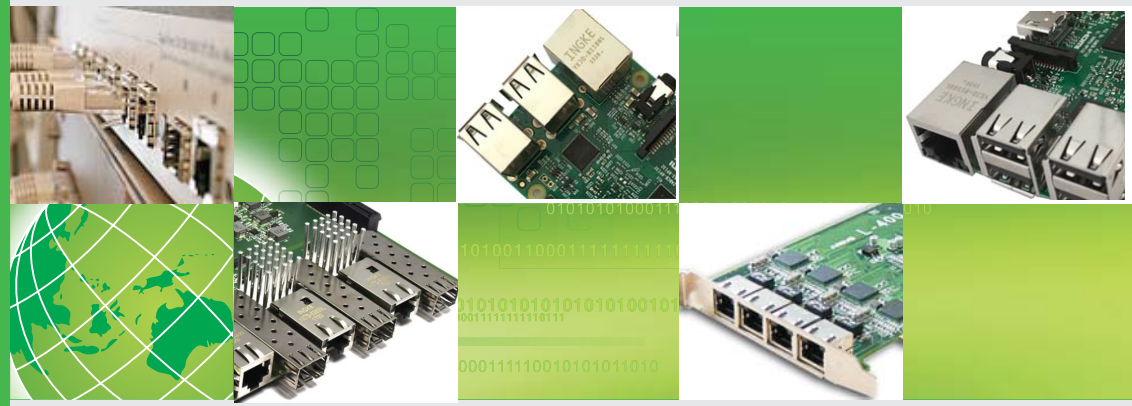
Advanced production equipment and first-class management,professional and technical personnel,excellence,casting product quality.

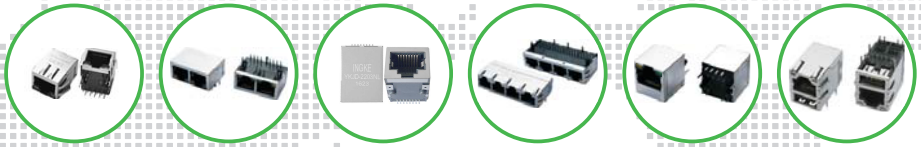
г. Санкт-Петербург,
ул. Громова, 4, офис 331

Тел. +7 (812) 385-76-87

e-mail: sales@fivel.ru

FIVEL





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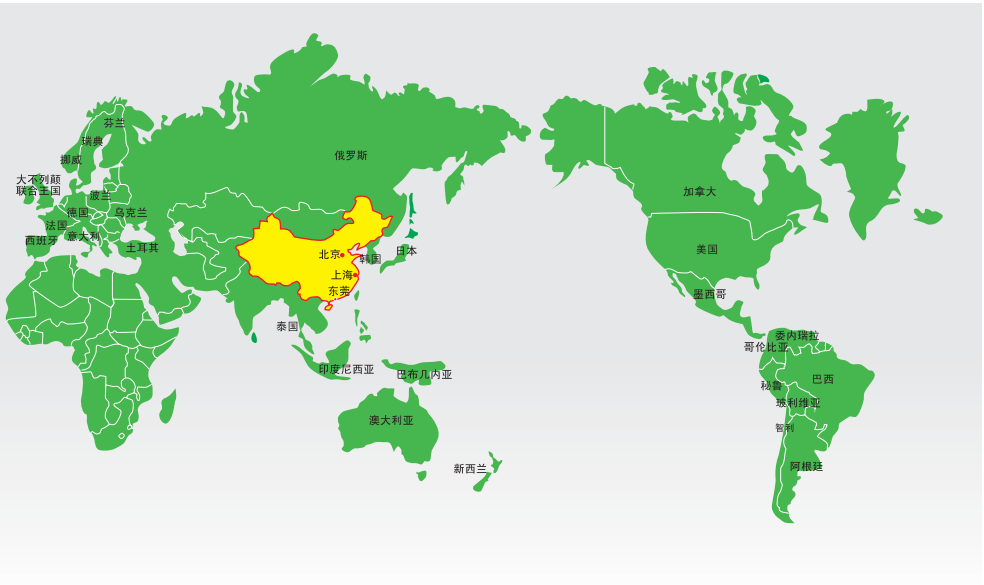
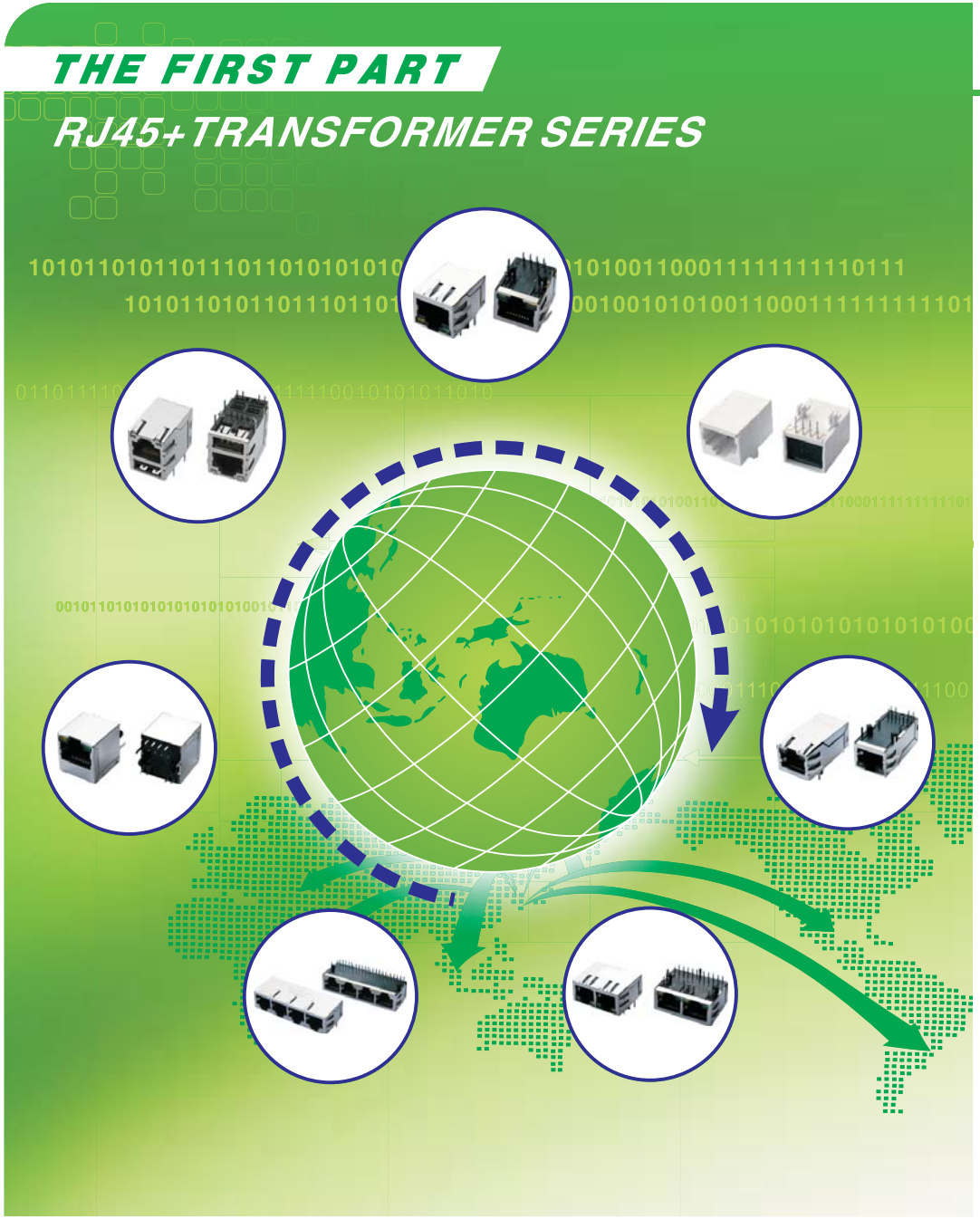


THE FIRST PART

RJ45+TRANSFORMER SERIES



FIVEL

BASIC PARAMETER

电气性能:

1. 额定电流:1.5AMPS
2. 额定电压:125VAC
3. 绝缘电阻:＞500M
4. 耐压强度:AC 1000V 50HZ或60HZ 1分钟
5. 接触电阻:＜20M

机械性能:

1. 插入力:2条金丝=350g /4条金丝=500g/ 6条金丝=750g/ 8条金丝=900g /10条金丝=1050g
2. 配合强度:插头和插座之间7.7Kg
3. 使用寿命:＞750次插拔

材 料:

1. 塑壳:ABS RESIN(UL94V-0) /PBT(UL94V-0) /PA46(UL94V-0)/ PA66(UL94V-0) /LCP(UL94V-0) 2. 镀金丝:直径0.45mm磷铜丝镀镍后镀金/0.35厚磷铜片镀镍后选镀金
3. 屏蔽壳:0.2-0.25mm厚的铜合金表面镀镍
4. 可选镀金层厚度:1u inch / 3u inch / 6u inch / 15u inch / 30u inch / 50u inch
5. 工作环境温度:-40℃ -85 C

Electrical

1,Current Rating:1.5AMPS
2,Voltage Rating:125VAC
3,Insulation Resistance:500 M mini
4,Withstand Voltage:AC 1000V RMS 50HZ or 60HZ 1min
5,Contact Resistance:＜20 M MAX

Mechanical

1. Insertion Force: 2 Contacts=350g / 4 Contacts=500g / 6 Contacts=750g / 8 Contacts=900g / 10 Contacts=1050g
2. Retention Strength:7.7kg Between Jack And Plug
3. Durability:＞750 Mating Cycles Mini

Material

1. Housing: ABS RESIN(UL94V-0) / PBT(UL94V-0) / PA46(UL94V-0)/ PA66(UL94V-0) / LCP(UL94V-0)
2. Spring Wire: 0.45mm Dia Phosphor Bronze Gold Plating Over Nickel / 0.35mm Thickness Phosphor Bronze Alloy Selective Gold Plating Over Nickel.
3. Shielding:0.2-0.35mm Thickness Copper Alloy With Nickel Plated
4. Gold Plating:1u inch, 3u inch,6u inch, 15u inch,30u inch,50u inch
5. Working Temperature:-40℃-70℃

CODE RULE

YK X X X X XX X X X NL

1 2 3 4 5 6 7 8

1

J	10/100 Base-T
G	1000 Base-T
K	1000 Base-T Long Body
T	10G Base-T
H	HDMI
	Without Magnetic

2

U	Tab Up
D	Tab Down
V	Vertical
	Other

3

1	POE+
2	SMT
3	Recessed
4	Low profile
5	Halogen Free
6	RJ45+USB
7	POE++
8	Other
9	NO Shielded
0	POE

4

0	Green-Yellow
1	Yellow-Green
2	No LED
3	Other Dual Color
4	Yellow-Yellow
5	Green,Yellow-Green
6	Green-Green
7	Green-Green,Orange
8	Green-Yellow,Green
9	Green ,Orange-Green

5

12	1X2 Ports
14	1X4 Ports
1N	1XN Ports
21	2X1 Ports
22	2X2 Ports
2N	2XN Ports
	1 Port

6

X	X(0-9)

7

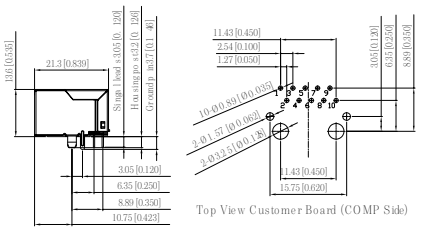
7	Top EMI Finger
9	EMI Finger
X	X(0-9)

8

A	15u" Gold Plating On Contact Area
B	30u" Gold Plating On Contact Area
C	50u" Gold Plating On Contact Area
	Other

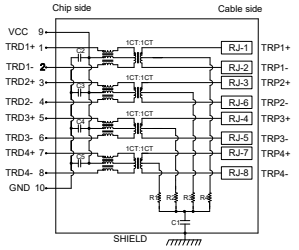
2.5G BASE

MECHANICAL



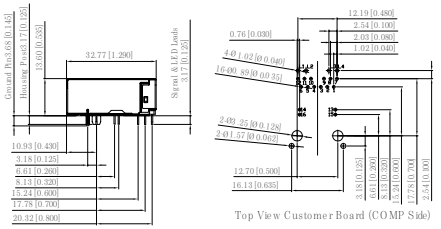
Top View Customer Board (COMP Side)

SCHEMATICS



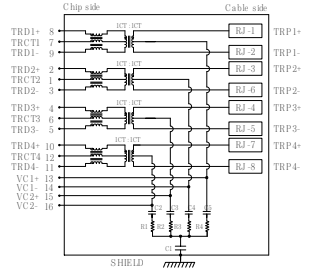
5G BASE

MECHANICAL



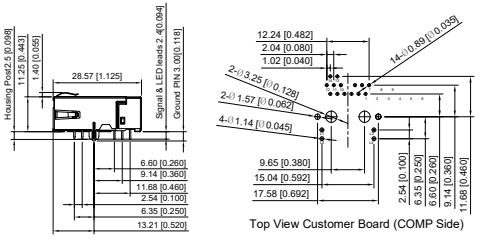
Top View Customer Board (COMP Side)

SCHEMATICS



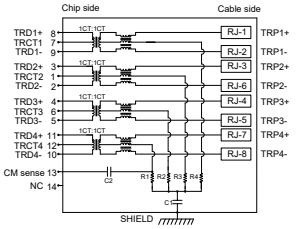
10G BASE

MECHANICAL



Top View Customer Board (COMP Side)

SCHEMATICS



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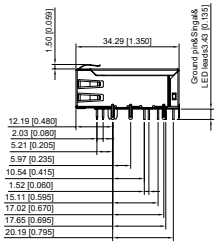

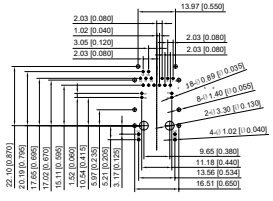

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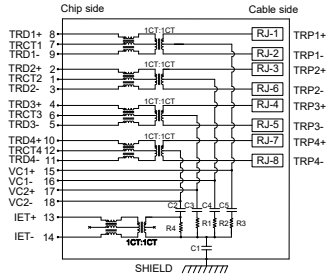

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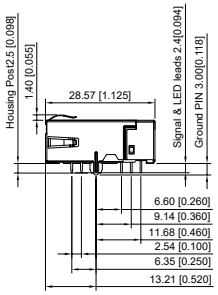

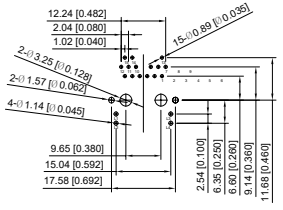

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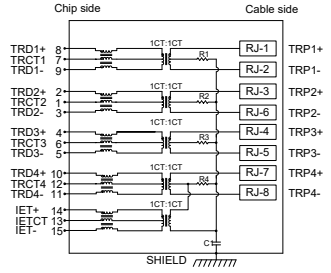

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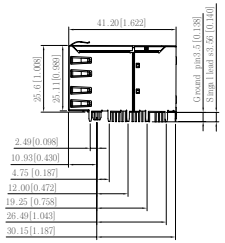

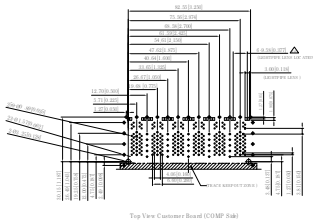

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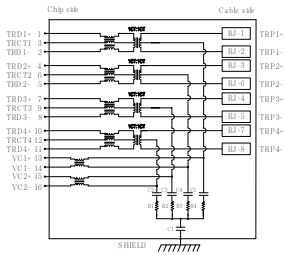

RJ45+TRANSFORMER 100BASE SCHEMATIC

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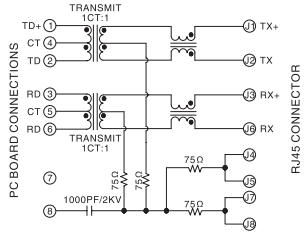

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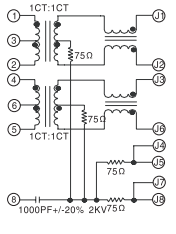

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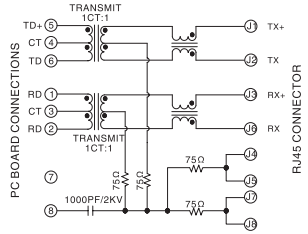

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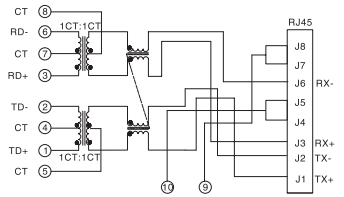

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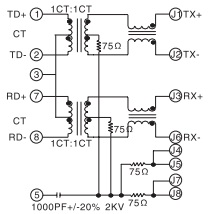

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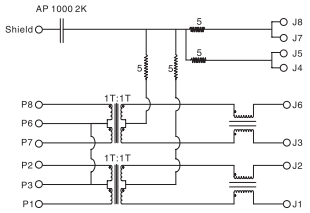

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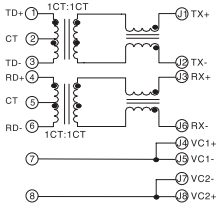

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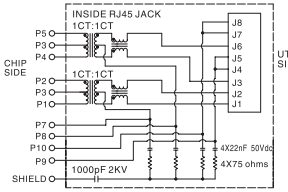

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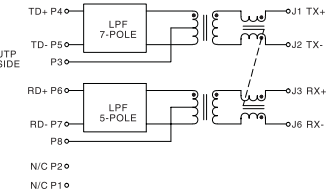

RJ45+TRANSFORMER 100BASE SCHEMATIC

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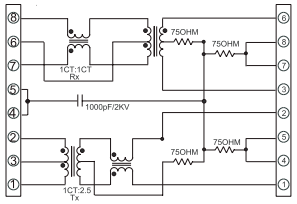

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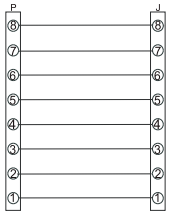

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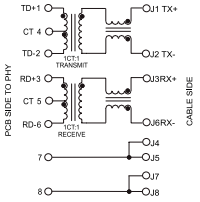

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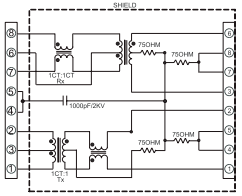

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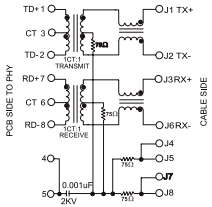

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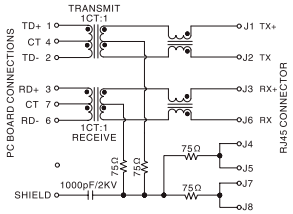

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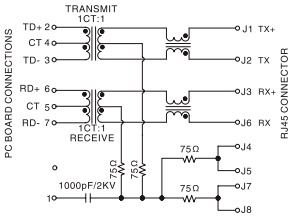

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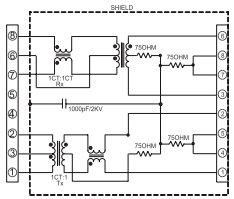

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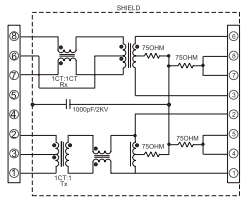

RJ45+TRANSFORMER 100BASE SCHEMATIC

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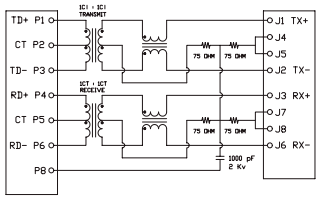

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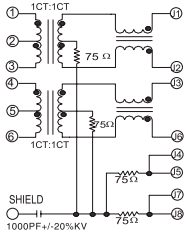

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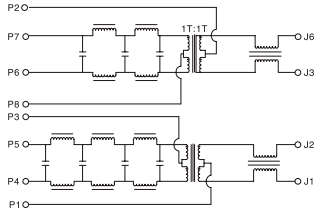

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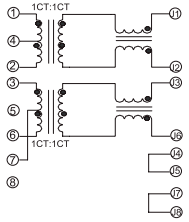

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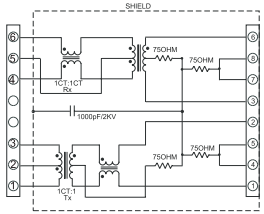

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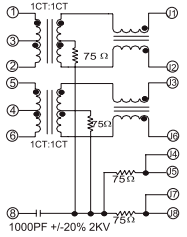

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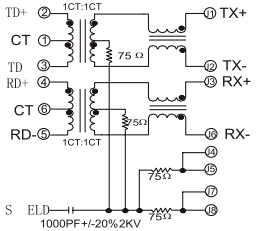

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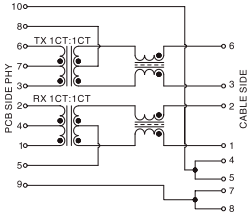

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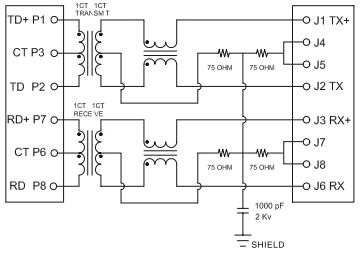
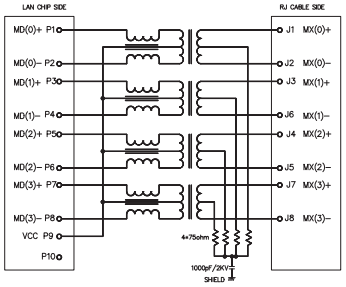


RJ45+TRANSFORMER 1000BASE SCHEMATIC

Q001



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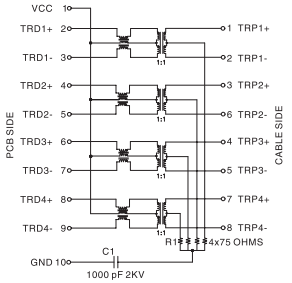

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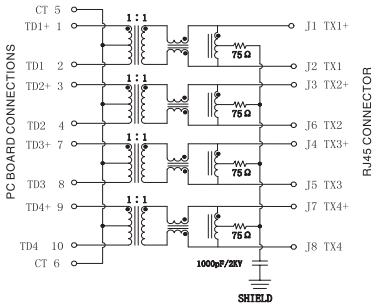

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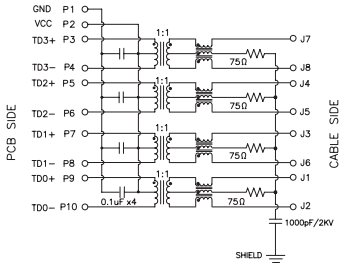
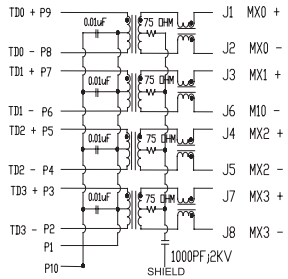
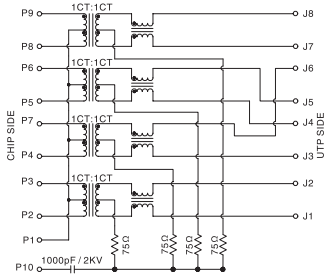


Q061

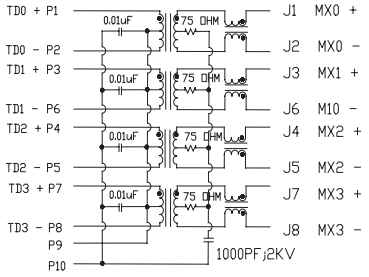


Q066

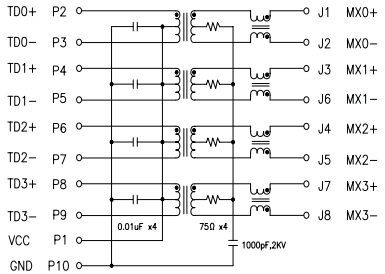


RJ45+TRANSFORMER 1000BASE SCHEMATIC

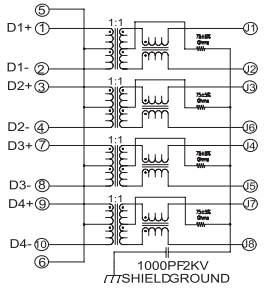
Q068



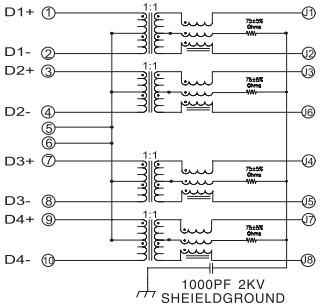
Q069



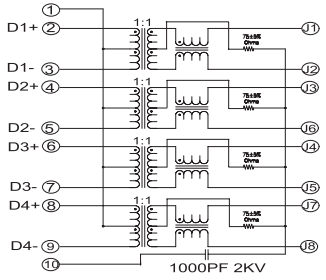
Q070



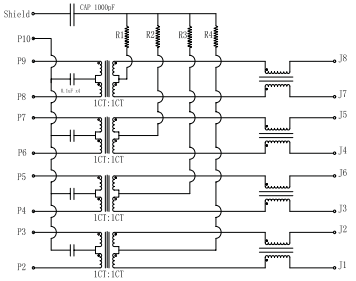
Q072



Q106



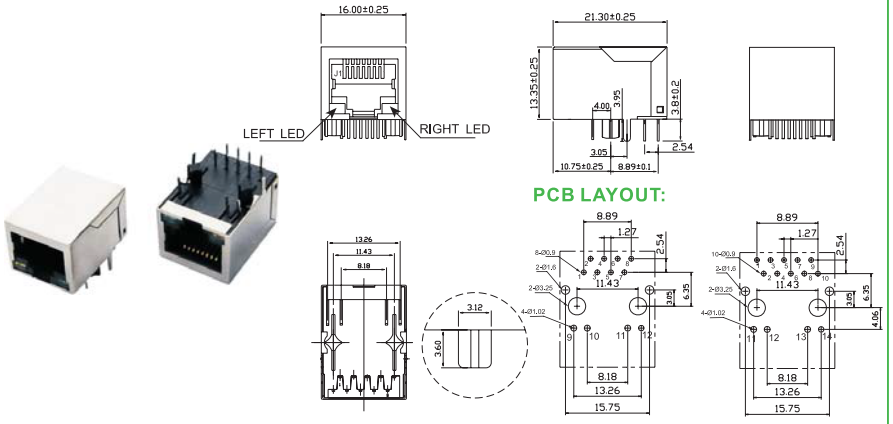
Q107



RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX1X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

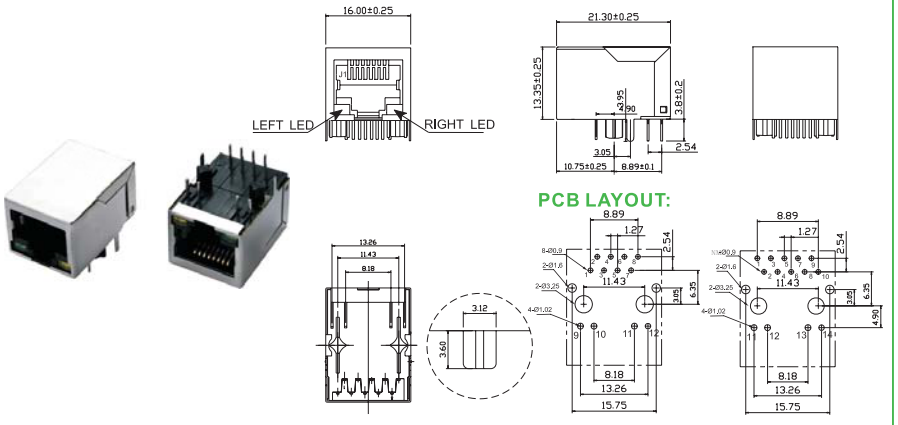
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX0X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

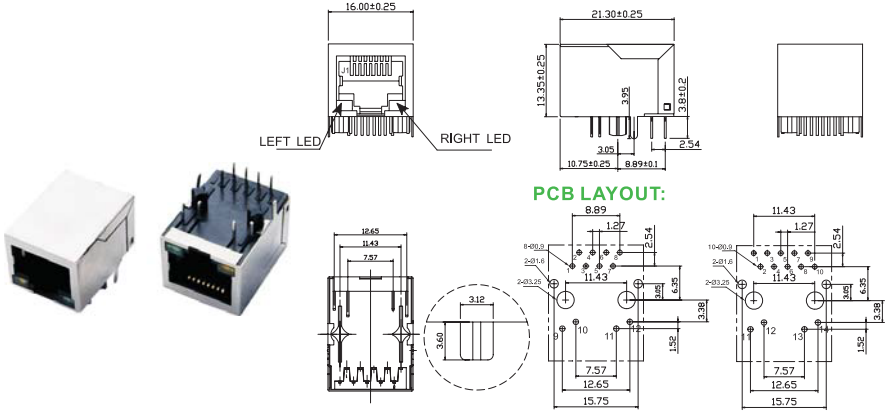
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX1X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

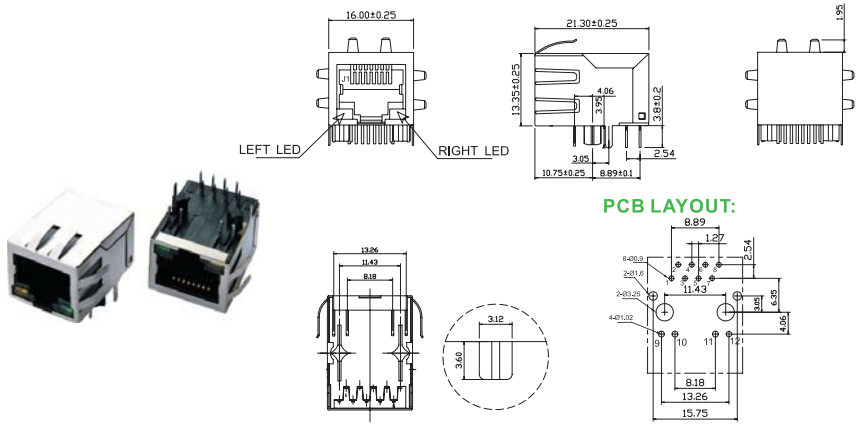
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX1X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

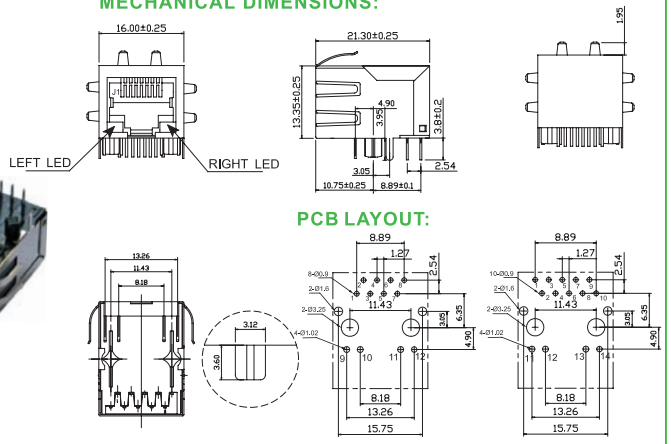
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX0X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

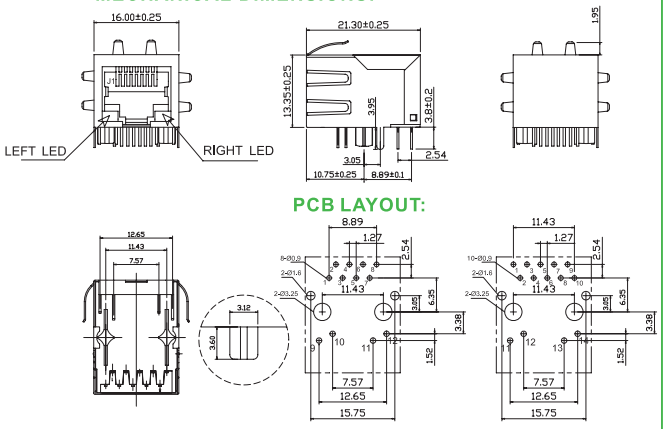
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX3X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

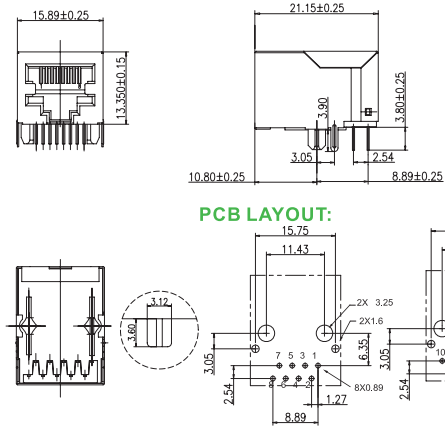
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX2X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

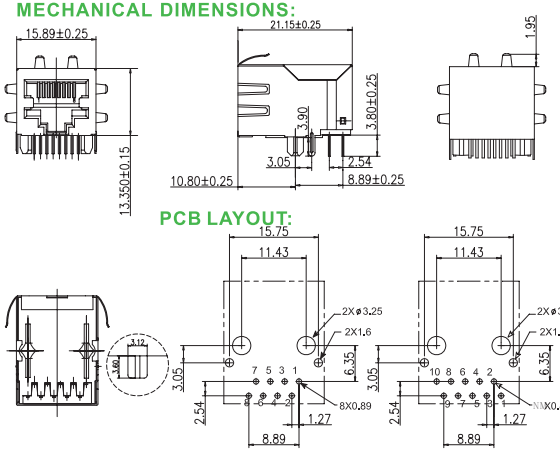
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXDX2X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

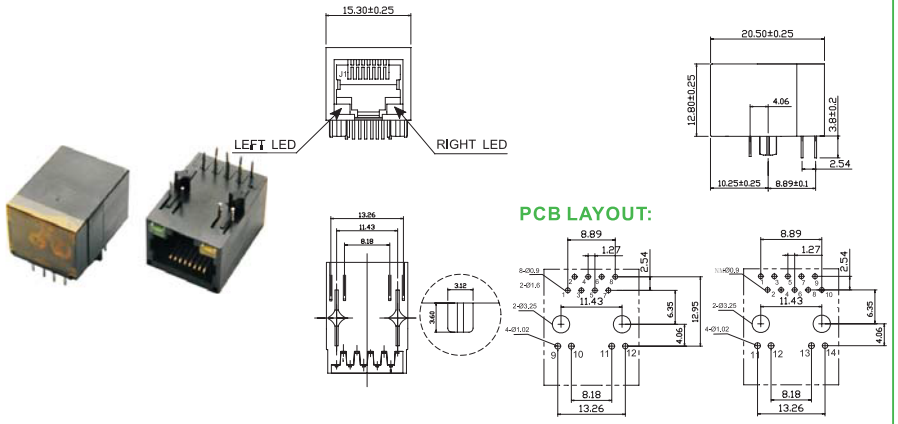
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXD91X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

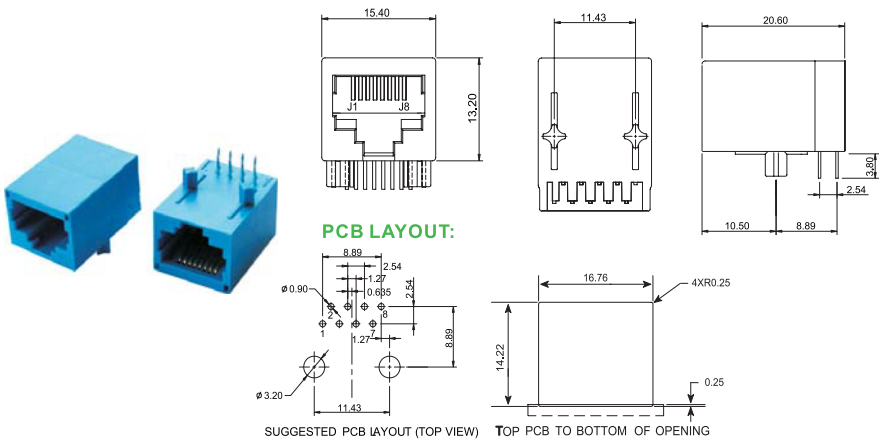
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXD92X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

SUGGESTED PCB LAYOUT (TOP VIEW)

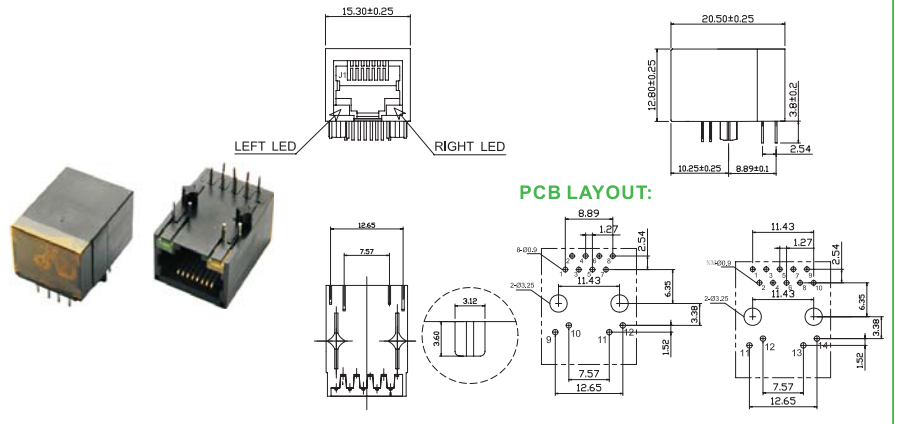
TOP PCB TO BOTTOM OF OPENING

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXD91X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

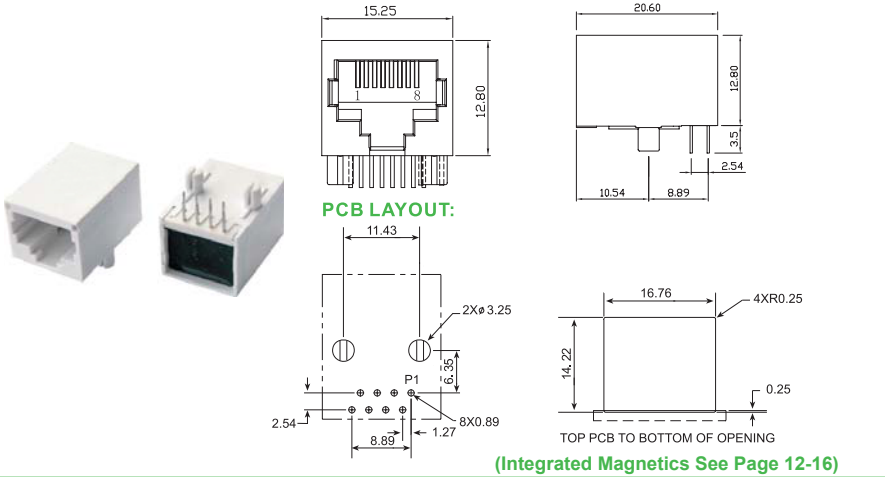
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1X1 PORT TAB DOWN DIP 90°

YKXD92X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

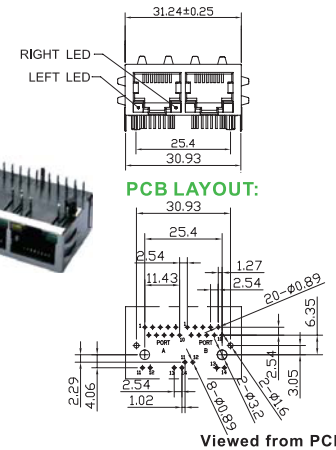
TOP PCB TO BOTTOM OF OPENING

(Integrated Magnetics See Page 12-16)

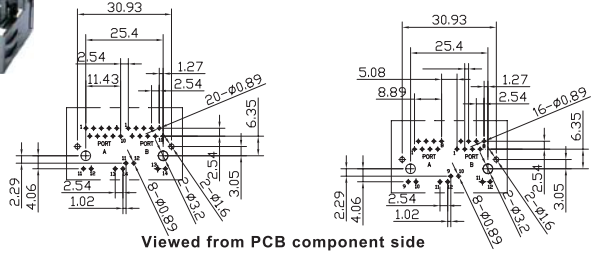
RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

YKXDX012X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



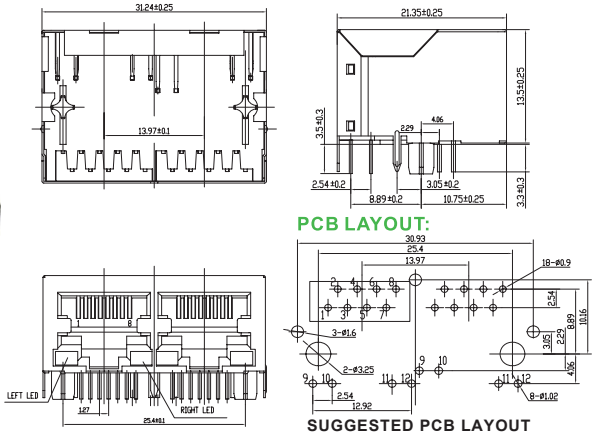
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

YKXDX112X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

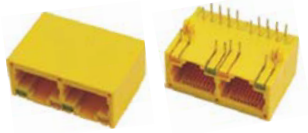
SUGGESTED PCB LAYOUT
(TOP VIEW)

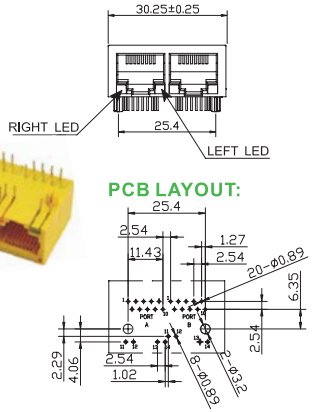
(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

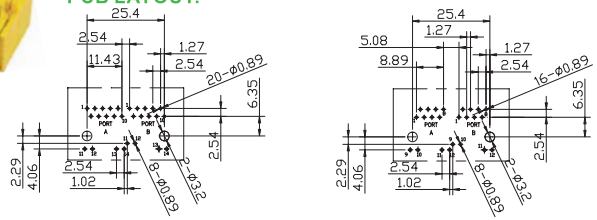
YKXD9X12X0NL

MECHANICAL DIMENSIONS:





PCB LAYOUT:



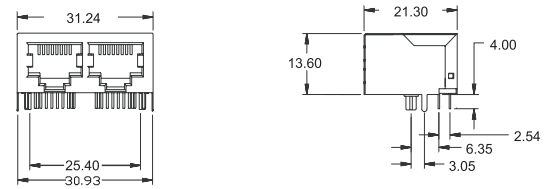
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

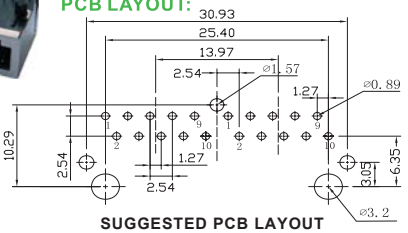
RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

YKXDX212X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



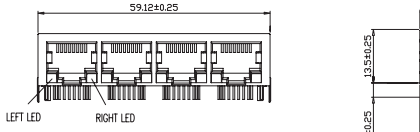
SUGGESTED PCB LAYOUT
(TOP VIEW)

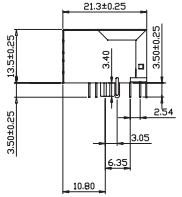
(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

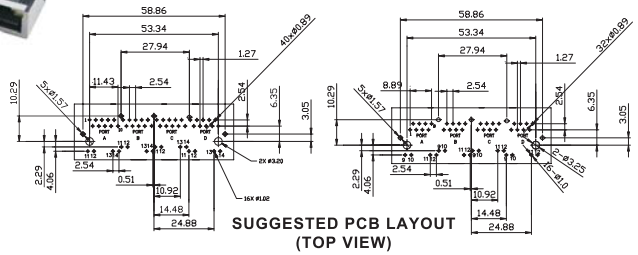
YKXDX114X0NL

MECHANICAL DIMENSIONS:





PCB LAYOUT:



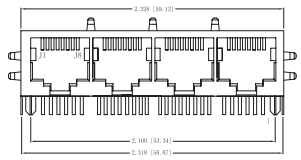
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

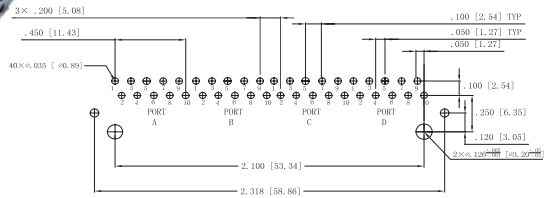
RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

YKXDX214X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



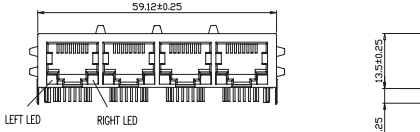
Suggested PCB Layout (Component side view)

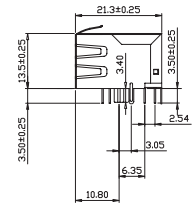
(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

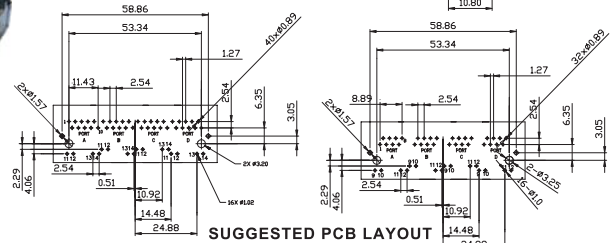
YKXDX214X9NL

MECHANICAL DIMENSIONS:





PCB LAYOUT:



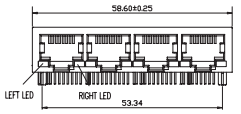
SUGGESTED PCB LAYOUT
(TOP VIEW)

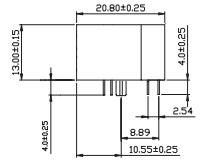
(Integrated Magnetics See Page 12-16)

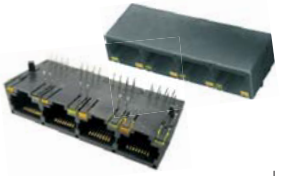
RJ45+TRANSFORMER 1XN PORT TAB DOWN DIP 90°

YKXD9X14X0NL

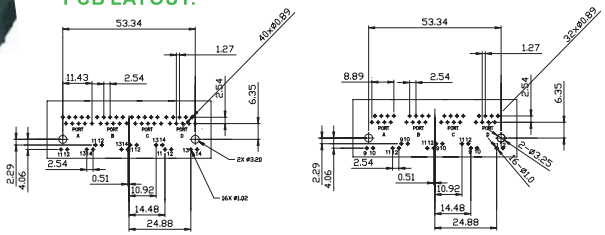
MECHANICAL DIMENSIONS:







PCB LAYOUT:



SUGGESTED PCB LAYOUT
(TOP VIEW)

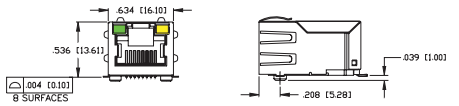
(Integrated Magnetics See Page 12-16)

FIVEL RJ45+TRANSFORMER SERIES

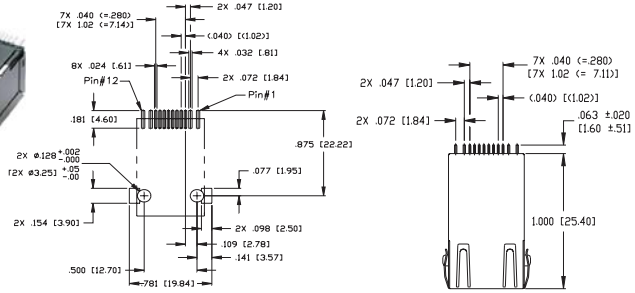
RJ45+TRANSFORMER TAB UP SMT

YKXU20X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



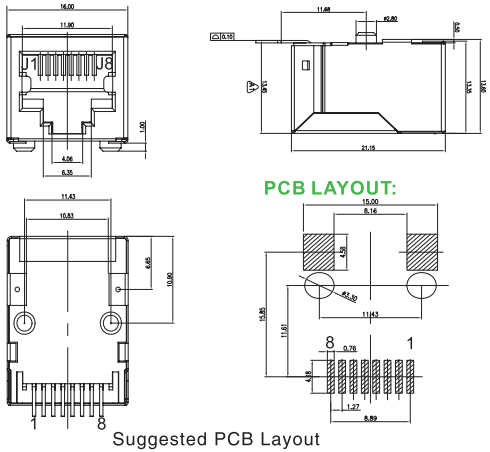
Suggested PCB Layout (Component side view)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB DOWN SMT

YKXD22X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

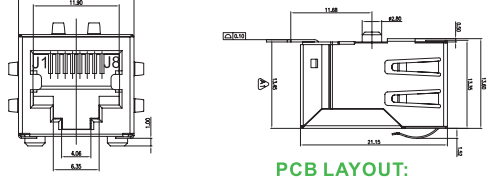
Suggested PCB Layout

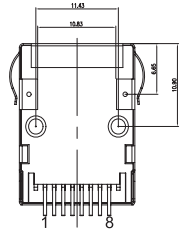
(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB DOWN SMT

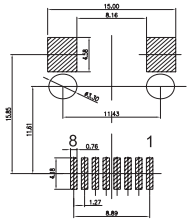
YKXD22X9NL

MECHANICAL DIMENSIONS:





PCB LAYOUT:



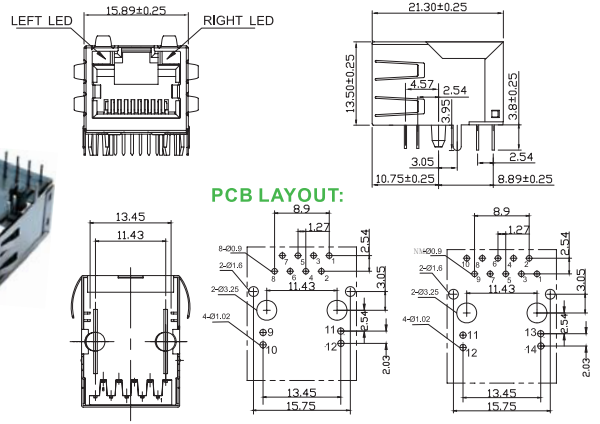
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUXXX9NL

MECHANICAL DIMENSIONS:



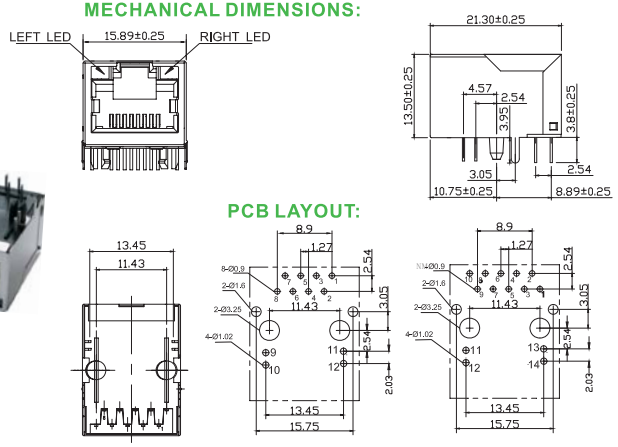
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUXXX0NL

MECHANICAL DIMENSIONS:



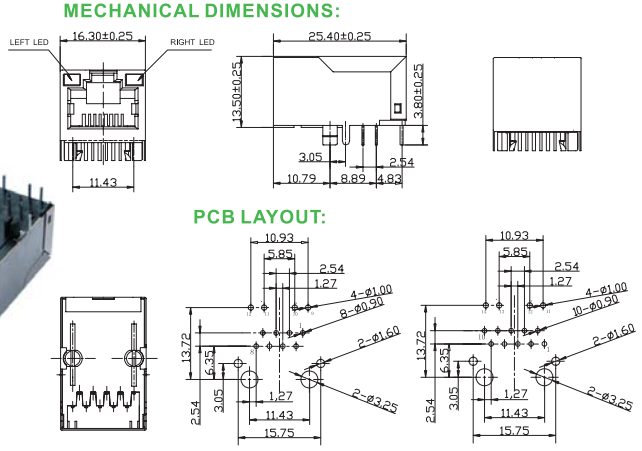
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUX0X0NL

MECHANICAL DIMENSIONS:



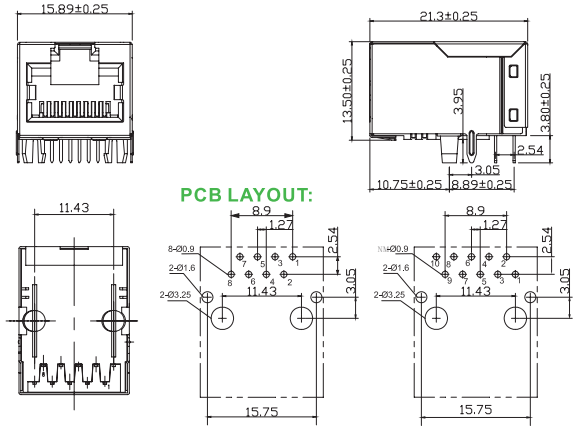
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXU92X0NL

MECHANICAL DIMENSIONS:



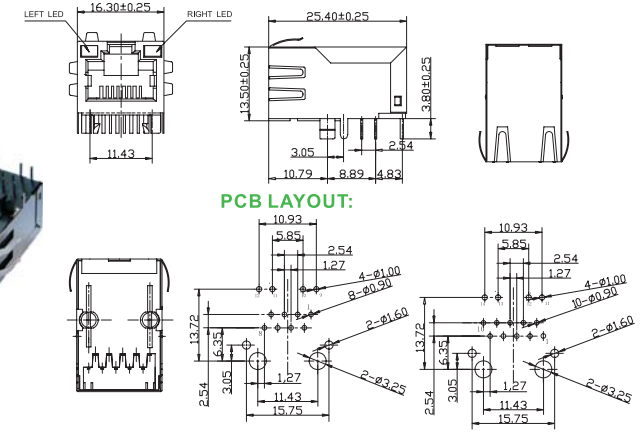
Viewed from PCB component side

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUX0X9NL

MECHANICAL DIMENSIONS:



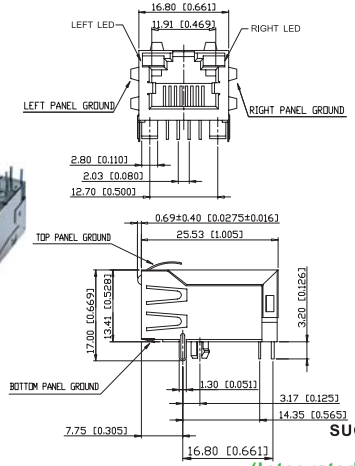
Viewed from PCB component side

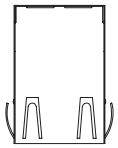
(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

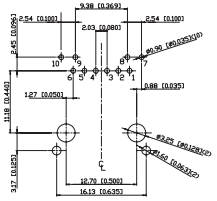
YKXUX3X9NL

MECHANICAL DIMENSIONS:





PCB LAYOUT:



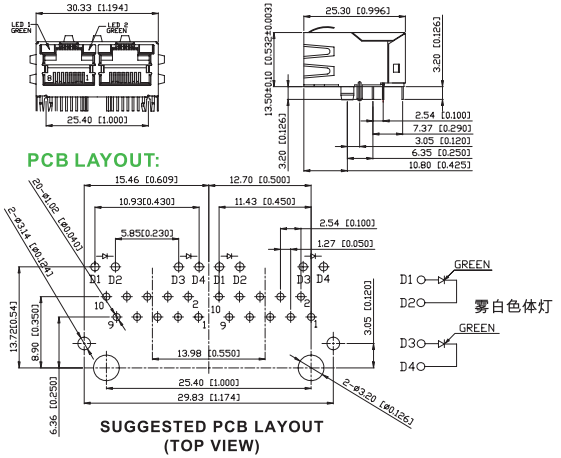
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUXX12X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

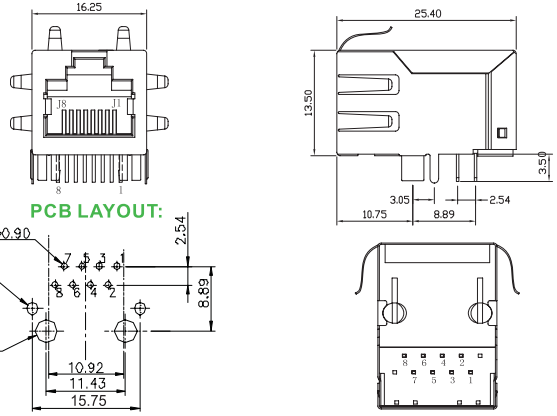
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUX2X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

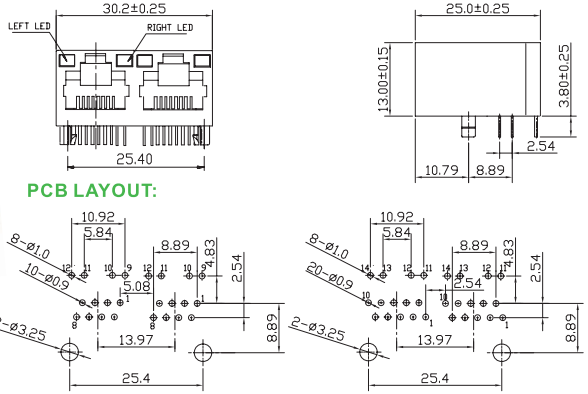
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXU9112X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

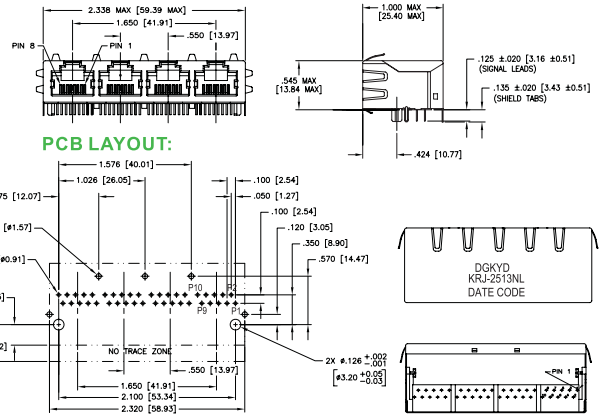
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKXUX214X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

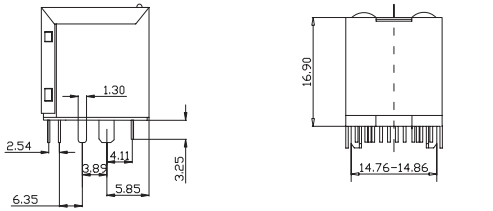
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

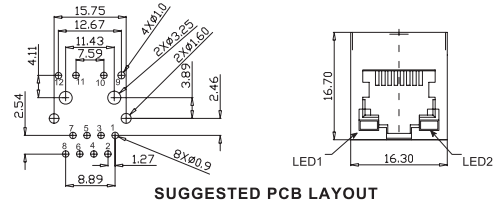
RJ45+TRANSFORMER DIP 180°

YKXVX1X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



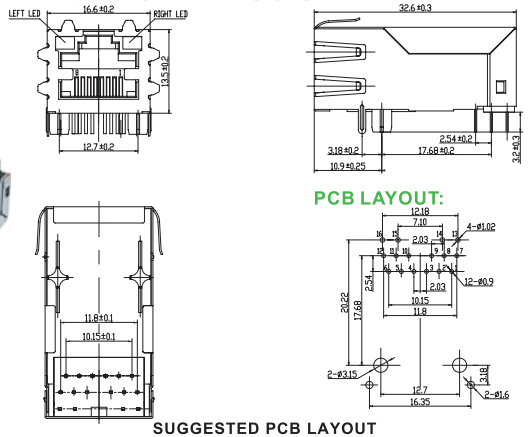
SUGGESTED PCB LAYOUT

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER TAB UP DIP 90°

YKKUXXX9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

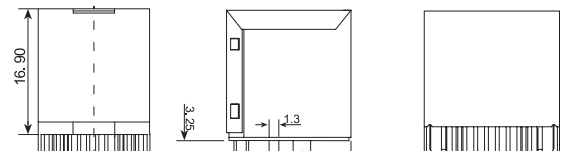
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

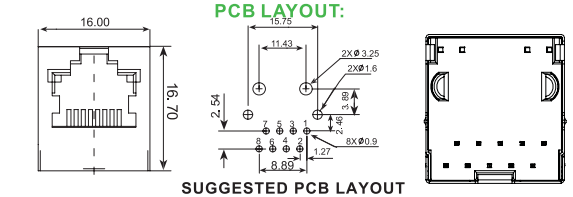
RJ45+TRANSFORMER DIP 180°

YKXVX2X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



SUGGESTED PCB LAYOUT
(TOP VIEW)

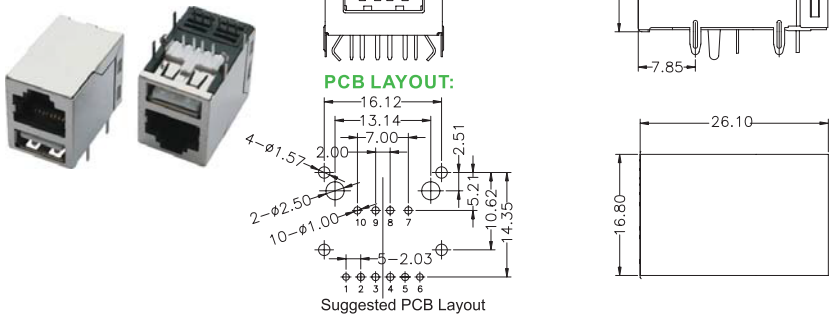
(Integrated Magnetics See Page 12-16)

FIVEL RJ45+TRANSFORMER SERIES

RJ45+TRANSFORMER WITH USB DIP 90°

YKXU62X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

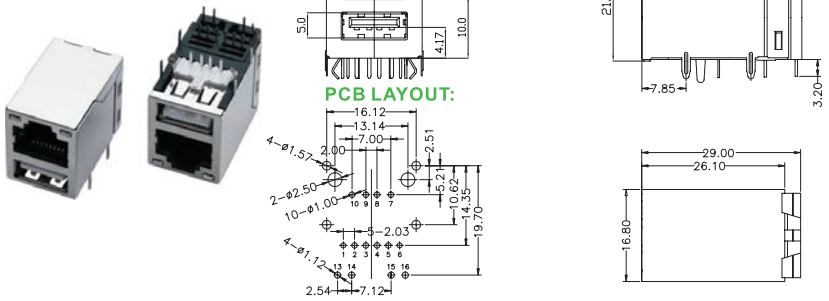
Suggested PCB Layout

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER WITH USB DIP 90°

YKXU6XX0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:

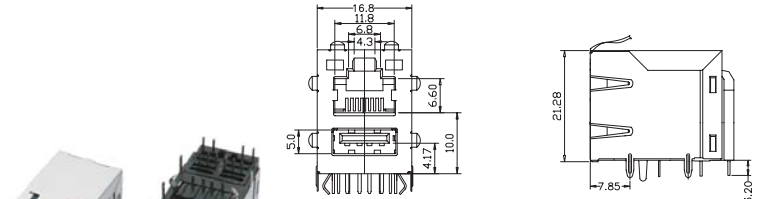
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

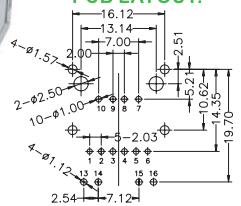
RJ45+TRANSFORMER WITH USB DIP 90°

YKXU6XX9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



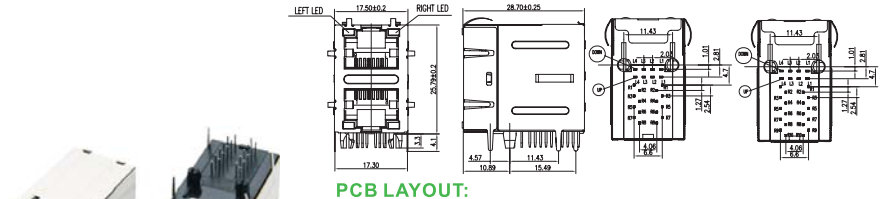
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

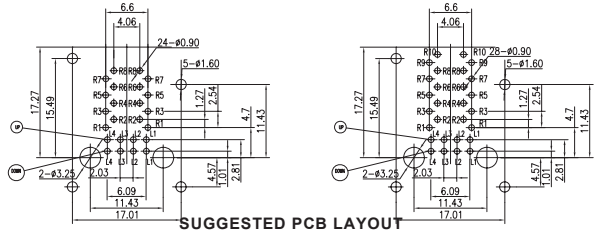
RJ45+TRANSFORMER 2XN PORT WITH LED DIP 90°

YKXXX21X9NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



SUGGESTED PCB LAYOUT
(TOP VIEW)

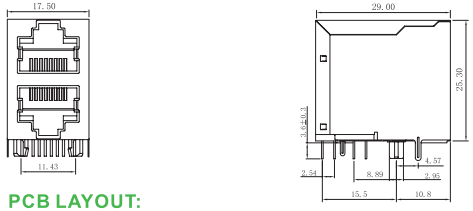
(Integrated Magnetics See Page 12-16)

FIVEL RJ45+TRANSFORMER SERIES

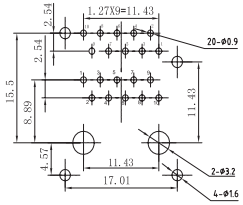
RJ45+TRANSFORMER 2XN PORT DIP 90°

YKXX221X0NL

MECHANICAL DIMENSIONS:



PCB LAYOUT:



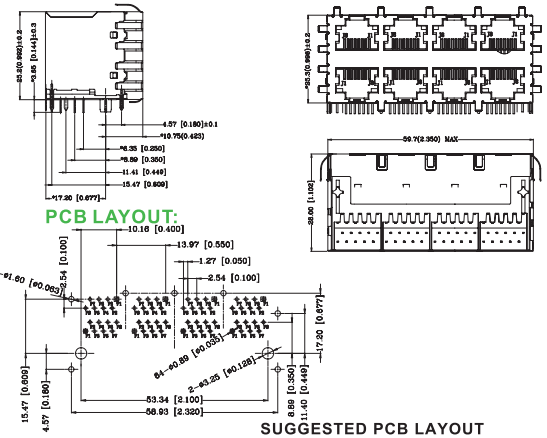
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 2XN PORT WITH LED DIP 90°

YKXXX24X9NL

MECHANICAL DIMENSIONS:



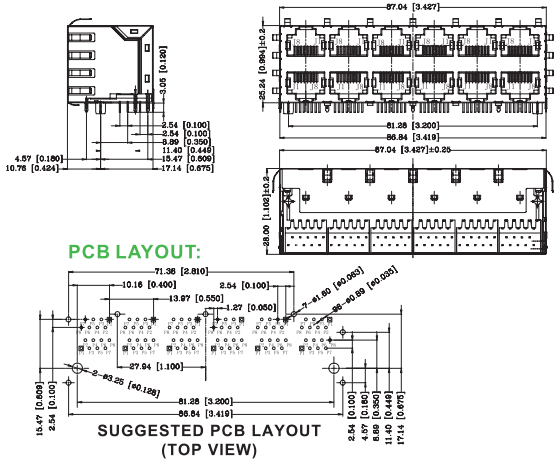
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 2XN PORT WITH LED DIP 90°

YKXXX26X9NL

MECHANICAL DIMENSIONS:



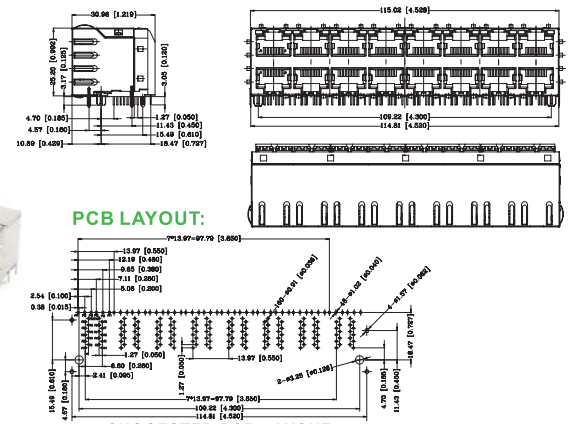
SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

RJ45+TRANSFORMER 2XN PORT WITH LED DIP 90°

YKXXX28X9NL

MECHANICAL DIMENSIONS:

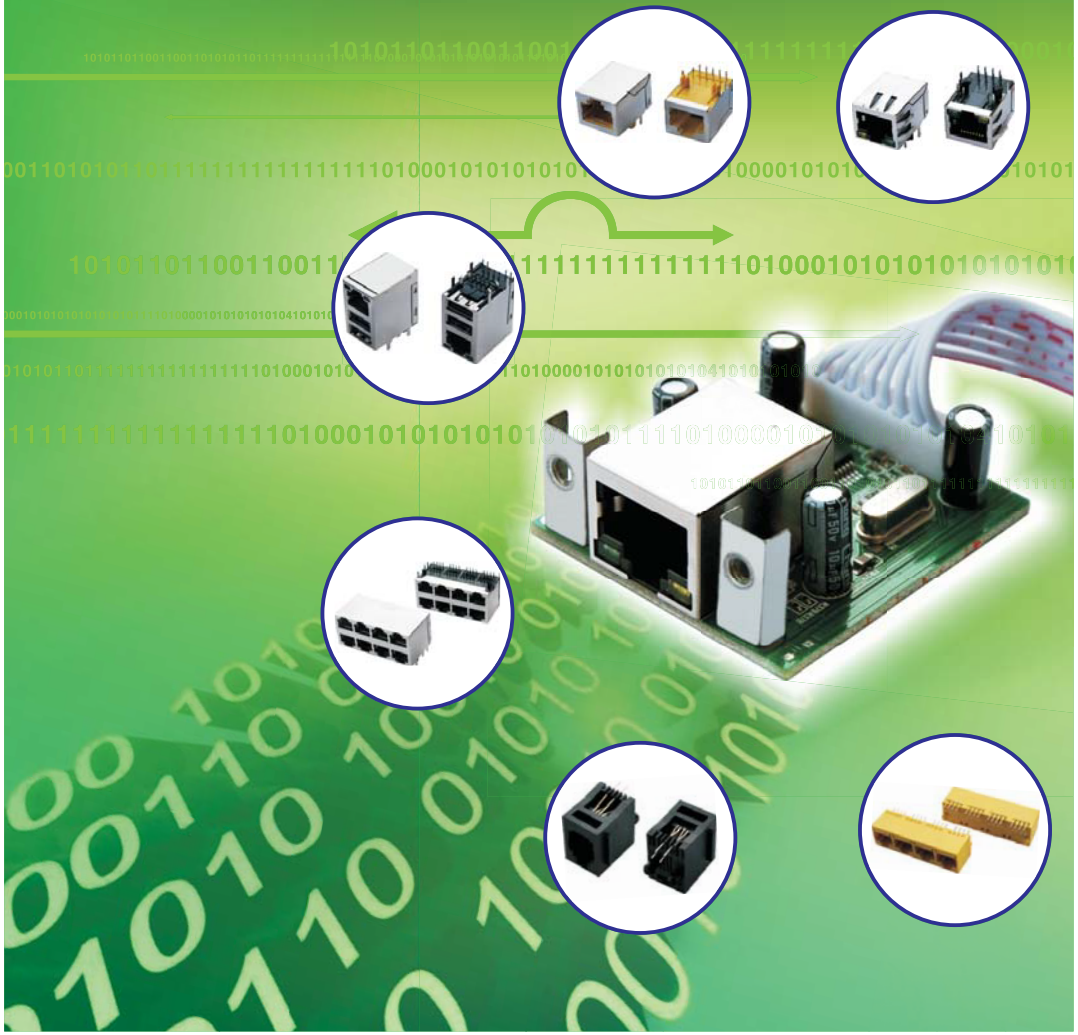


SUGGESTED PCB LAYOUT
(TOP VIEW)

(Integrated Magnetics See Page 12-16)

THE SECOND PART

PRODUCTS



INTEGRATED MAGNETICS

YKSD-8200NL

YKAU-7001BNL

YKTD-8389NL

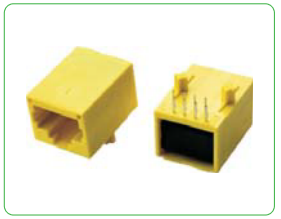
YKTU-1509CNL

YKGD-8109NL

YKGD-8209NL

YKJD-8208NL

YKGD-8208NL



YKJD-9200NL

YKGD-9200NL

YKJD-9210NL

YKJD-2209NL

INTEGRATED MAGNETICS


YKJD-8300NL


YKKU-2200NL


YKJV-8200NL


YKJV-8100NL


YKJ-3200NL


YKGU-0100NL


YKGU-1309NL


YKGU-8200NL


YKGU-0309NL


YKGU-0019NL


YKGU-1010NL


YKJU-2019NL

INTEGRATED MAGNETICS


YKKU-8609NL


YKKU-8309NL


YKKU-8209NL


YKJD-831209NL


YKJD-801209NL

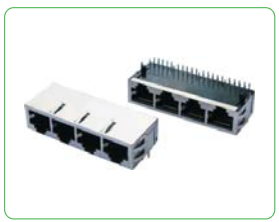

YKJ-822100NL

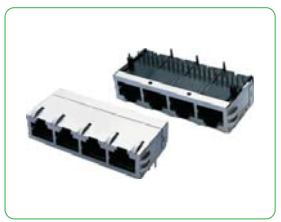

YKJU-6200NL


YKGU-6300NL


YKJU-6010NL


YKJD-921409NL


YKJD-821419NL


YKKU-821409NL

WITHOUT MAGNETIC


YKV-92004P4CNL


YKV-92104P4CNL


YKV-92206P6CNL


YKV-92308P8CNL


YKV-8010ENL

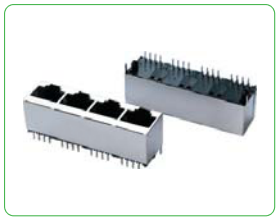

YKV-8210ENL

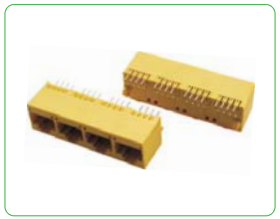

YKV-8110ENL


YKV-9240ENL


YKV-8220ENL


YKV-821200ENL


YKV-821400ENL


YKV-921400ENL

WITHOUT MAGNETIC


YKV-92008P8CNL


YKV-92004P4CNL


YKV-92006P6CNL


YKV-92208P8CNL


YKV-92206P6CNL


YKV-92308P8CNL


YKV-92408P8CNL


YKV-921200NL


YKV-92004P4CNL


YKD-92008P8CNL


YKU-8210ENL

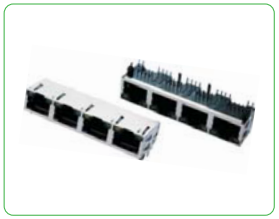

YKU-8100ENL

WITHOUT MAGNETIC

YKU-8300ENL

YKU-811209ENL

YKU-821400ENL



YKU-811409ENL

YKU-821600ENL

YKU-821809ENL

YKD-8250ENL

YKD-8260ENL

YKD-8270ENL

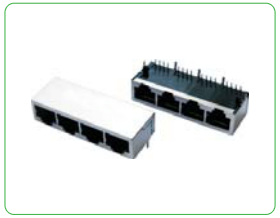
YKD-8280ENL

YKD-8209ENL

YKD-821200ENL

FIVEL PRODUCTS

WITHOUT MAGNETIC



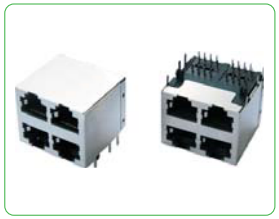
YKD-821490ENL

YKD-821480ENL

YKD-821500ENL

YKD-821800ENL

YK-822119ENL



YK-822200ENL

YK-822400ENL

YK-832409ENL

YK-82US00ENL

YK-82US20ENL

YKU-6310ENL

YKU-6320ENL

UNUSUAL

YKJU-2109NL

YKU-8320ENL

YKU-8330ENL

YK-8200MMNL

YK-8220MMNL

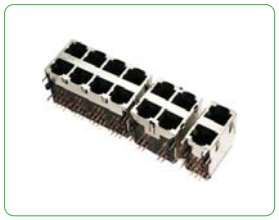
YK-8230MMNL

YKU-8390NL

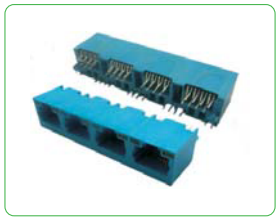
YKU-8380NL

YKU-8370NL

YKV-921400NL



YK-822709NL



YKV-931400NL

UNUSUAL

YKV-9390NL

YKF-8P8CNL

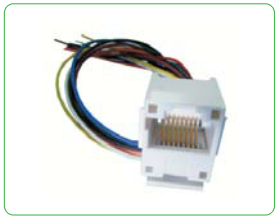
SMT RJ11 JACK

45° DIP LED Jack

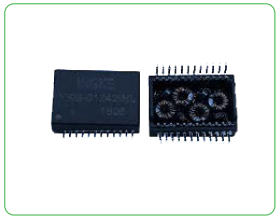
Vertical SMT RJ11

RJ45 JACK TO PLUG AND DC JACK

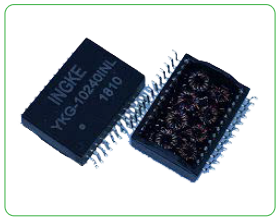
HDB15M(Triple Row PIN) TO RJ45 JACK



Rj45 JACK 648 8P8C



YKG-01242INL



YKG-10240INL

YKRJ-3809DRNL

YKD-8280NL