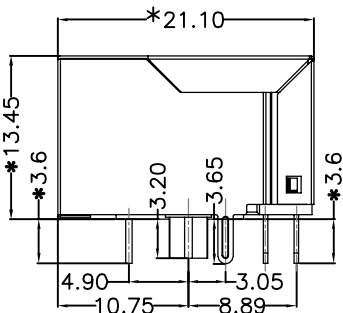


FRONT VIEW



1.27TYP

Technical drawing of a 14-pin connector layout. The drawing shows a rectangular arrangement of 14 pins, numbered 1 through 14. The layout is symmetrical about a vertical center line. Dimensions are provided in millimeters (mm) and inches (in). Key dimensions include:

- Overall width: 15.75 mm (0.62 in)
- Overall height: 4.90 mm (0.19 in)
- Pin pitch (horizontal): 2.54 mm (0.1 in)
- Pin pitch (vertical): 2.54 mm (0.1 in)
- Pin 1 to Pin 14 distance: 13.26 mm (0.52 in)
- Pin 1 to Pin 13 distance: 11.43 mm (0.45 in)
- Pin 1 to Pin 12 distance: 8.18 mm (0.32 in)
- Pin 1 to Pin 11 distance: 2.54 mm (0.1 in)
- Pin 1 to Pin 10 distance: 8.89 mm (0.35 in)
- Pin 1 to Pin 9 distance: 1.27 mm (0.05 in)
- Pin 1 to Pin 8 distance: 8.89 mm (0.35 in)
- Pin 1 to Pin 7 distance: 1.27 mm (0.05 in)
- Pin 1 to Pin 6 distance: 8.89 mm (0.35 in)
- Pin 1 to Pin 5 distance: 1.27 mm (0.05 in)
- Pin 1 to Pin 4 distance: 8.89 mm (0.35 in)
- Pin 1 to Pin 3 distance: 1.27 mm (0.05 in)
- Pin 1 to Pin 2 distance: 8.89 mm (0.35 in)
- Pin 1 to Pin 1 distance: 8.89 mm (0.35 in)

Labels include:

- 10-40.89
- 8.89
- 1.27
- 2.54
- 3.05
- 4.90
- 15.75
- 13.26
- 11.43
- 8.18
- 2.54
- 4- $\phi 1.02$
- 2- $\phi 3.20$
- 2- $\phi 1.63$
- Center line

MATERIAL:

HOUSING : PBT,UL94V-0,BLACK.
TERMINALS BRACKET: PBT,UL94V-0,BLACK.
SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.
TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,
6U" GOLD PLATING ON CONTACT AREA.

MECHANICAL:

DURABILITY : 750 CYCLES MIN.
MATING FORCE : 23N MAX.
OPERATING TEMPERATURE: -40°C~+85°C.
STORAGE TEMPERATURE: -40°C~+85°C.
ALL CRITICAL DIMENSIONS WITH "mm"

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磁联达

深圳磁联达电子有限公司
Shenzhen magnetic Lianda Electronics Co., LTD

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Community, Xili Street, Nanshan District, Shenzhen
E-mail: sales1@cd-tek.com 0755-27652992 29016433 Website: www.cd-tek.com

TITLE:
TAB-DOWN 1X1 10/100/1000BASE

PART NO.:	R911130A E
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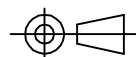
REMARK:

SIZE
A4

SACLE
1:1

SHEET
1/4

UNITS
MM[INCH]

REV
A0

GENERAL TOLERANCES
UNLESS SPECIFIED

.xÑ0.35	.xÁ3.0Á
.xÑ0.30	.xÁ2.0Á
.xxÑ0.25	.xxÁ1.5Á
.xxxÑ0.10	.xxxÁ1.0Á

APPROVED BY:
QG.CHEN

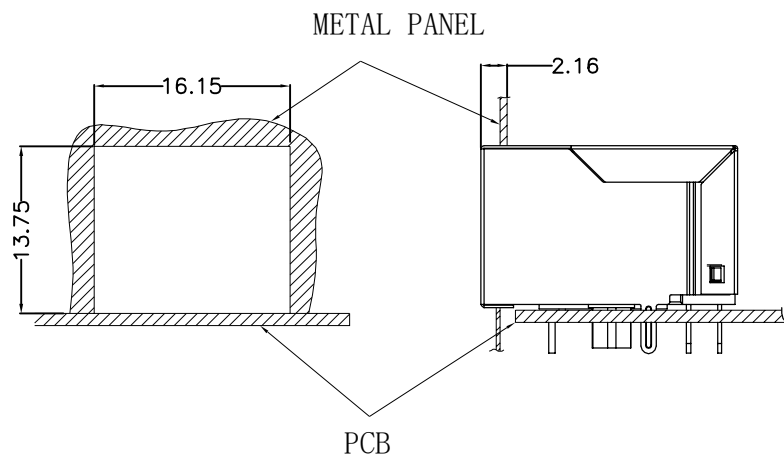
CHECKED BY:
SL.WANG

DESIGND BY:
X.YAN

REACH & RoHS
COMPLIANT

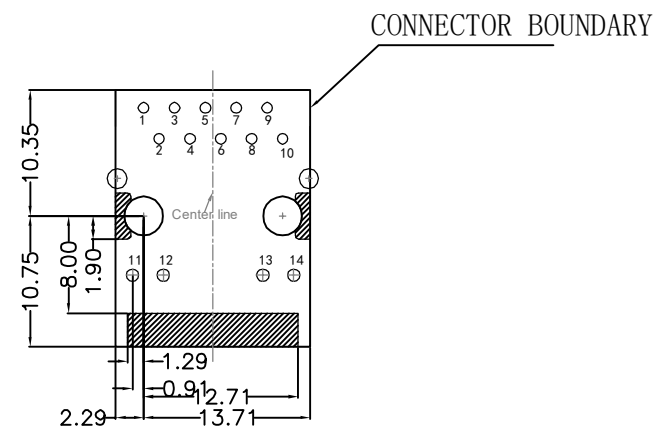
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2017.11.13

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY):



UNIT: MM / INCH
TOLERANCES: ± 0.10 / 0.004
REFERENCE ONLY

KEEP-OUT AREA (COMPONENT SIDE VIEW):



PLUG-IN SIDE

UNIT: MM / INCH
TOLERANCES: ± 0.10 / 0.004

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TITLE:
TAB-DOWN 1X1 10/100/1000BASE

PART NO.:
R911130A E

REMARK:

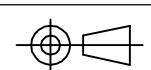
SIZE
A4

SACLE
1:1

SHEET
2/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$
 $.x \pm 0.30$
 $.xx \pm 0.25$
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$
 $.x^\circ \pm 2.0^\circ$
 $.xx^\circ \pm 1.5^\circ$
 $.xxx^\circ \pm 1.0^\circ$

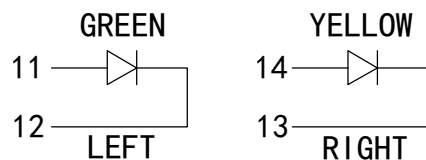
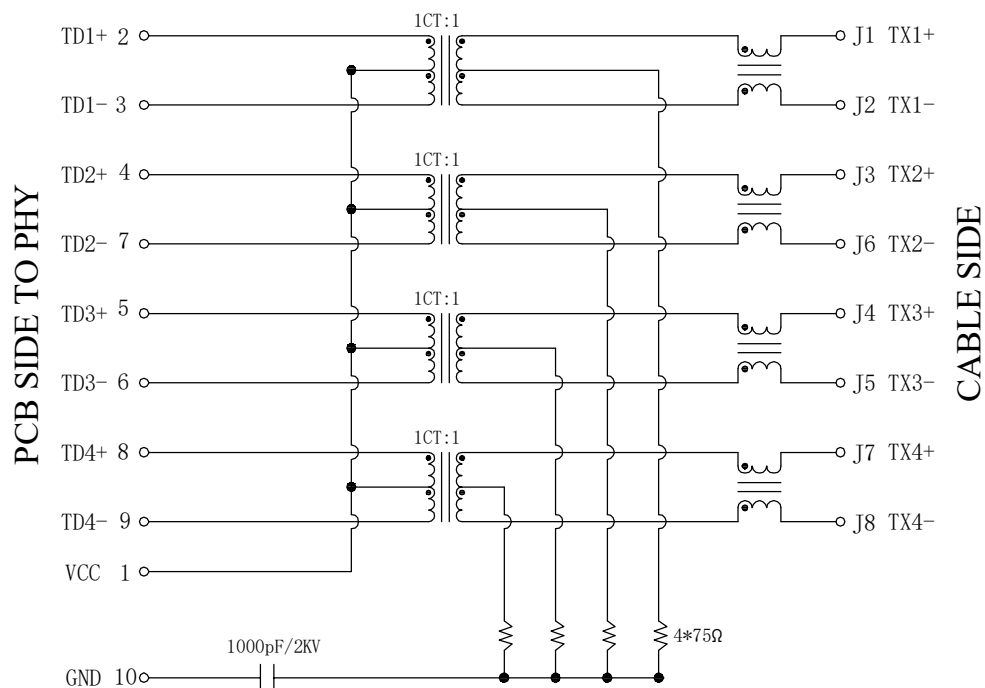
APPROVED BY:
QG.CHEN

CHECKED BY:
SL.WANG

DESIGND BY:
X.YAN

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6	7	8
REV.	ECN / DESCRIPTION	BY
A0	NEW	X.YAN
		DATE
		2017.11.13



Electrical:

- Turn ratio: 2~3: J1~J2=1CT:1CT($\pm 2\%$).
4~7: J3~J6=1CT:1CT($\pm 2\%$).
5~6: J4~J5=1CT:1CT($\pm 2\%$).
8~9: J7~J8=1CT:1CT($\pm 2\%$).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -18dB Min 1~30MHz;
-14dB Min 30~60MHz.
-12dB Min 60~80MHz.
-10dB Min 80~100MHz.
- Cross talk: -40dB Min 1~30MHz;
-35dB Min 30~60MHz;
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 2250V DC 6S 1mA PRI TO SEC

LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	568nm	20mA	1.85-2.45V
Yellow	585nm	20mA	1.7-2.2V

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TITLE:

TAB-DOWN 1X1 10/100/1000BASE

PART NO.:

R911130A E

REMARK:

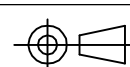
SIZE
A4

SACLE
1:1

SHEET
3/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x $\pm$ 0.35

.x $\pm$ 0.30

.xx $\pm$ 0.25

.xxx $\pm$ 0.10

x $^{\circ}$ $\pm$ 3.0 $^{\circ}$

.x $^{\circ}$ $\pm$ 2.0 $^{\circ}$

.xx $^{\circ}$ $\pm$ 1.5 $^{\circ}$

.xxx $^{\circ}$ $\pm$ 1.0 $^{\circ}$

APPROVED BY:
QG.CHEN

CHECKED BY:

SL.WANG

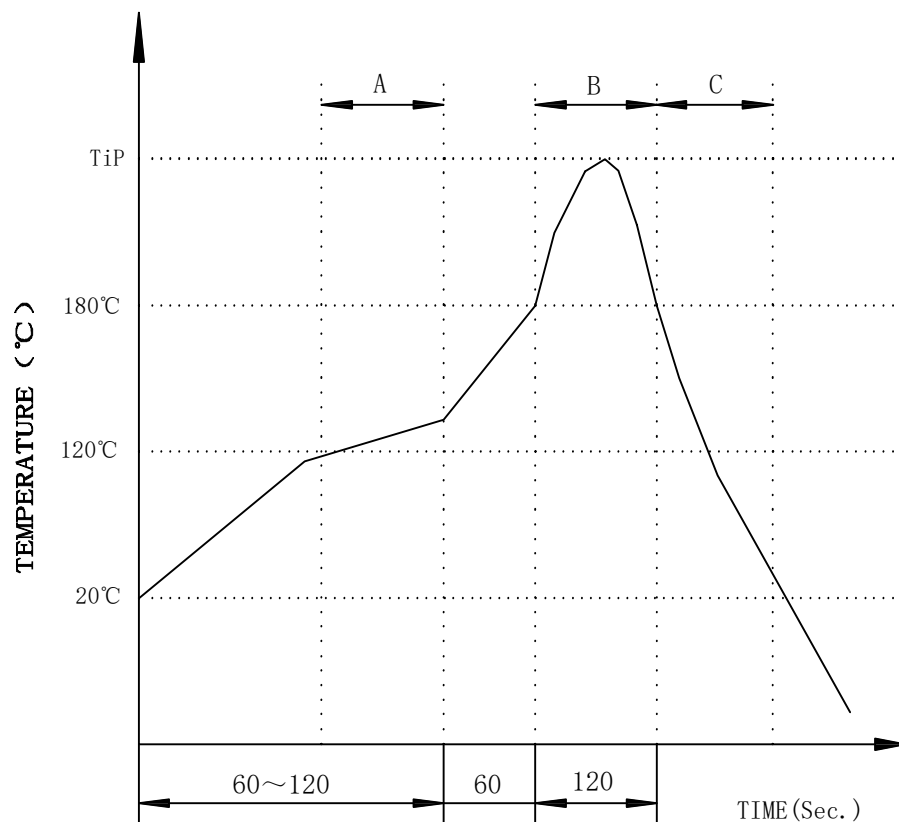
DESIGND BY:

X.YAN

REACH & RoHS
COMPLIANT

PROFILE OF WAVE SOLDER

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2017.11.13



A.Preheating B.Soldering C.Gradual Cooling
Tip temperature:260±5°C.
Tip temperature time:5Sec Max.
Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

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TITLE:
TAB-DOWN 1X1 10/100/1000BASE

PART NO.:
R911130A E

REMARK:

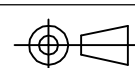
SIZE
A4

SACLE
1:1

SHEET
4/4

UNITS
MM[INCH]

REV
A0



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35
.x±0.30
.xx±0.25
.xxx±0.10

x°±3.0°
.x°±2.0°
.xx°±1.5°
.xxx°±1.0°

APPROVED BY:
QG.CHEN

CHECKED BY:
SL.WANG

DESIGND BY:
X.YAN