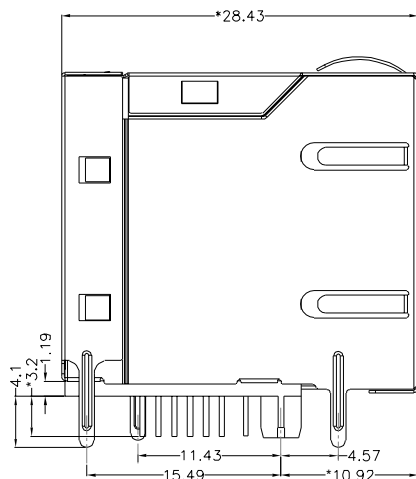
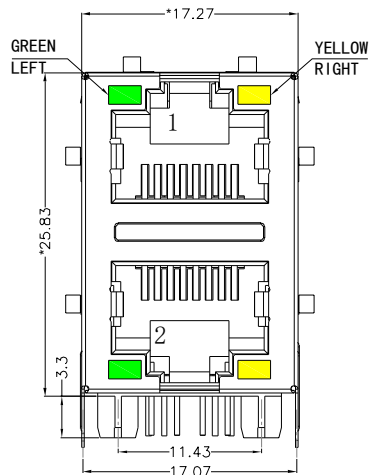


REACH & RoHS
COMPLIANT

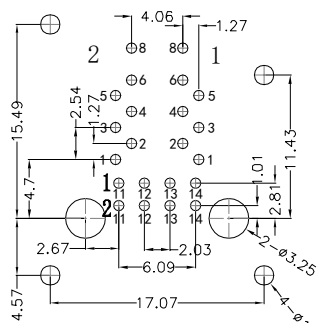
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2018.10.16
A1	铜壳窗口面带凹槽	X.YAN	2021.08.11



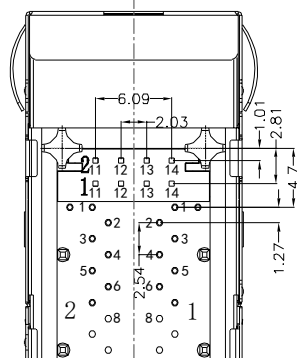
LEFT SIDE VIEW



FRONT VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE



BOTTOM VIEW

MATERIAL:

HOUSING: PA66,UL94V-0,BLACK.
 TERMINALS BRACKET: PBT,UL94V-0,BLACK.
 SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.
 TERMINAL: PHOSPHOR BRONZE C5191,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 "*"

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磁联达

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

Address: 505, West Block, No. 221, Niucheng Road, Niucheng Village, Baiwang
Community, Xili Street, Nanshan District, Shenzhen
E-mail: sales1@cd-tek.com 0755-27652992 29016433 Website:www.cd-tek.com

TITLE:
RJ45 2X1 100BASE

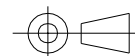
PART NO.:
T21083ML6B

REMARK:

SIZE
A4
UNITS
MM[INCH]

SACLE
1:1
REV
A1

SHEET
1/4



GENERAL TOLERANCES
UNLESS SPECIFIED

x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

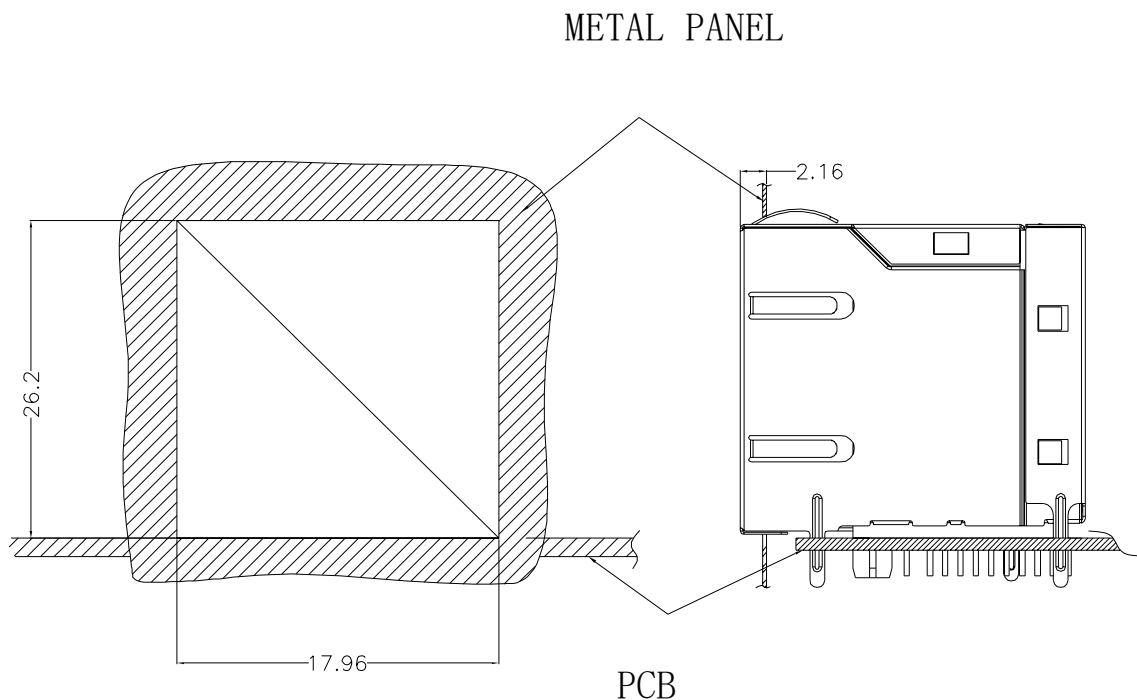
APPROVED BY:
QG.CHEN

CHECKED BY:
SL.WANG

DESIGND BY:
X.YAN

REACH & RoHS
COMPLIANT

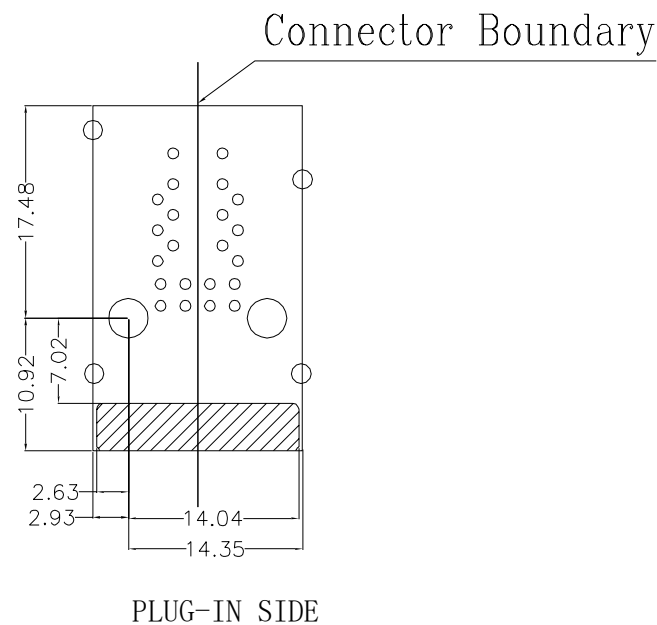
SUGGESTED PANEL OPENING:



UNIT: MM / INCH
TOLERANCES: $\pm 0.10 / 0.004$

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2018.10.16
A1	铜壳窗口面带凹槽	X.YAN	2021.08.11

KEEP-OUT AREA (COMPONENT SIDE VIEW):



UNIT: MM / INCH
TOLERANCES: $\pm 0.10 / 0.004$

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TITLE:
RJ45 2X1 100BASE

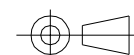
PART NO.:
T21083ML6B

REMARK:

SIZE
A4

SACLE
1:1

SHEET
2/4



GENERAL TOLERANCES
UNLESS SPECIFIED

$x \pm 0.35$	$x^\circ \pm 3.0^\circ$
$.xx \pm 0.30$	$.x^\circ \pm 2.0^\circ$
$.xx \pm 0.25$	$.xx^\circ \pm 1.5^\circ$
$.xxx \pm 0.10$	$.xxx^\circ \pm 1.0^\circ$

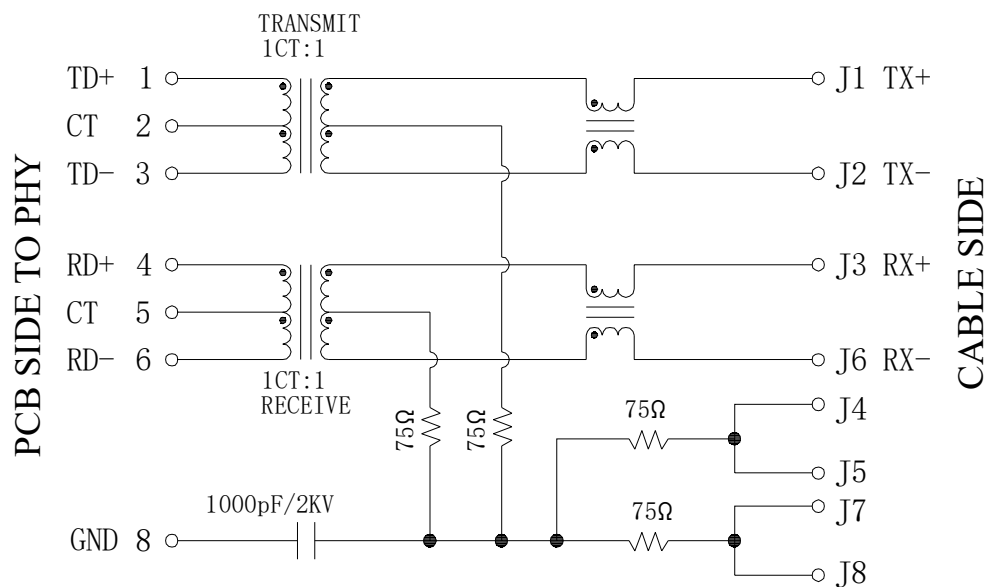
APPROVED BY:
QG.CHEN

CHECKED BY:
SL.WANG

DESIGN BY:
X.YAN

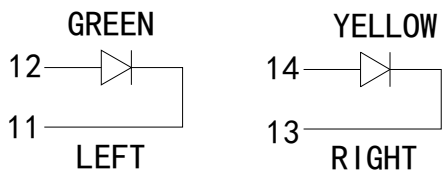
REACH & RoHS
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2018.10.16
A1	铜壳窗口面带凹槽	X.YAN	2021.08.11



Electrical:

- Turn ratio: 1~3: J1~J2=1CT:1CT(±2%).
4~6: J3~J6=1CT:1CT(±2%).
- OCL: 350uH Min. at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.2 dB Max 1~100MHz.
- Return loss: -16dB Min 1~30MHz;
-12dB Min 30~60MHz.
-10dB Min 60~80MHz.
- Cross talk: -30dB Min 1~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot: 1500V AC & 2250V DC
6S 1mA PRI TO SEC



LED Specification

Standard LED Color	LED Wavelength	Foward(A)	Foward(V)
Green	565nm	20mA	2.2-2.4V
Yellow	605nm	20mA	2.1-2.5V

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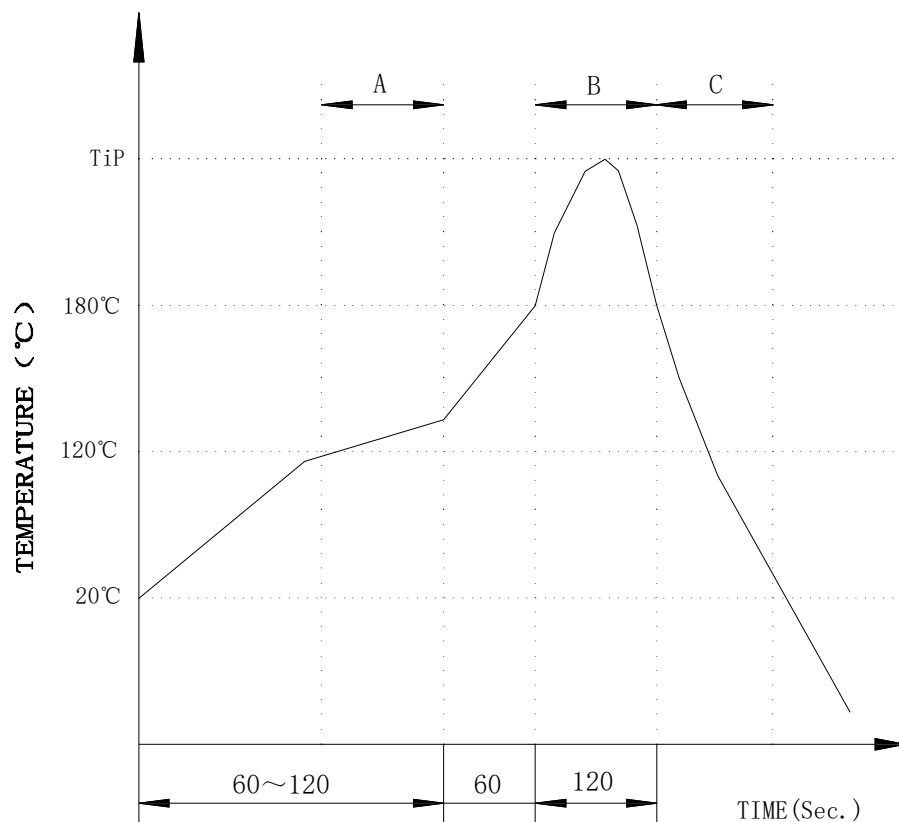
深圳磁联达电子有限公司
Shenzhen magnetic Lianda Electronics Co., LTD
Address: 505, West Block, No. 221, Niucheng Road, Niucheng Village, Baiwang
Community, Xili Street, Nanshan District, Shenzhen
E-mail: sales1@cd-tek.com 0755-27652992 29016433 Website: www.cd-tek.com

TITLE: RJ45 2X1 100BASE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: QG.CHEN
PART NO.: T21083ML6B	SACLE 1:1	REV A1	x±0.35 .x±0.30	x°±3.0° .x°±2.0°	CHECKED BY: SL.WANG
REMARK:	SHEET 3/4		.xx±0.25 .xxx±0.10	.xx°±1.5° .xxx°±1.0°	DESIGND BY: X.YAN

REACH & RoHS
COMPLIANT

PROFILE OF WAVE SOLDER

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	X.YAN	2018.10.16
A1	铜壳窗口面带凹槽	X.YAN	2021.08.11



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:
RJ45 2X1 100BASE

PART NO.:
T21083ML6B

REMARK:

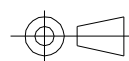
SIZE
A4

SACLE
1:1

SHEET
4/4

UNITS
MM[INCH]

REV
A1



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