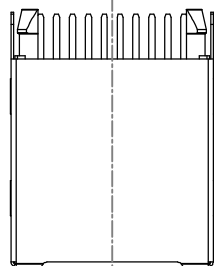
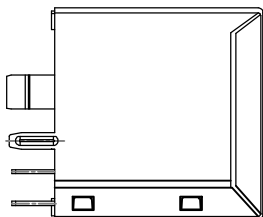


REACH & RoHS
COMPLIANT

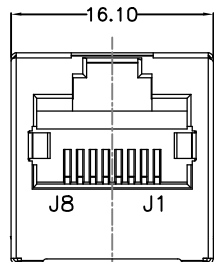
REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2017.10.30



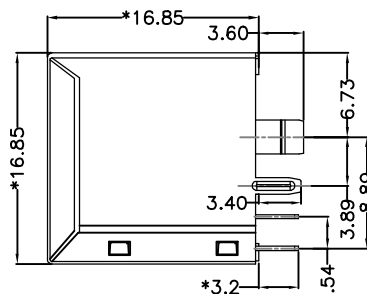
TOP VIEW



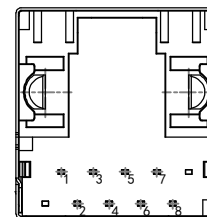
LEFT SIDE VIEW



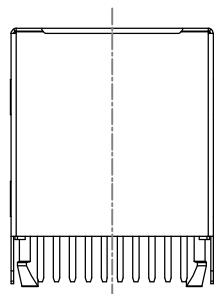
FRONT VIEW



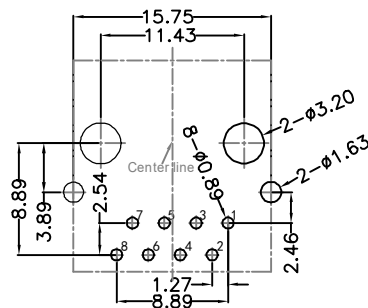
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT
VIEWED FROM COMPONENT SIDE

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 "**"

DGKYD

东莞市科优达电子科技有限公司
Dong Guan Ke You Da Electronic Tech.Co.,Ltd

Tel:+86-0769-87334608; Fax:+86-0769-87847129 WWW.DGKYD.COM

TITLE:
180° TAB-UP 1X1 100BASE POE

PART NO.:
DGKYD511B580GWA8DP

REMARK:

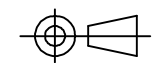
SIZE
A4

SACLE
1:1

SHEET
1/4

UNITS
MM[INCH]

REV
A0



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:
JP.Gong

CHECKED BY:
TW.Xu

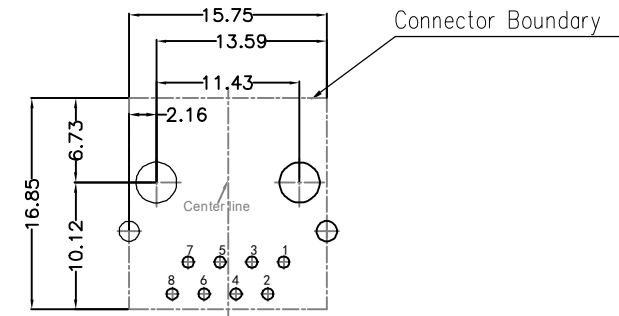
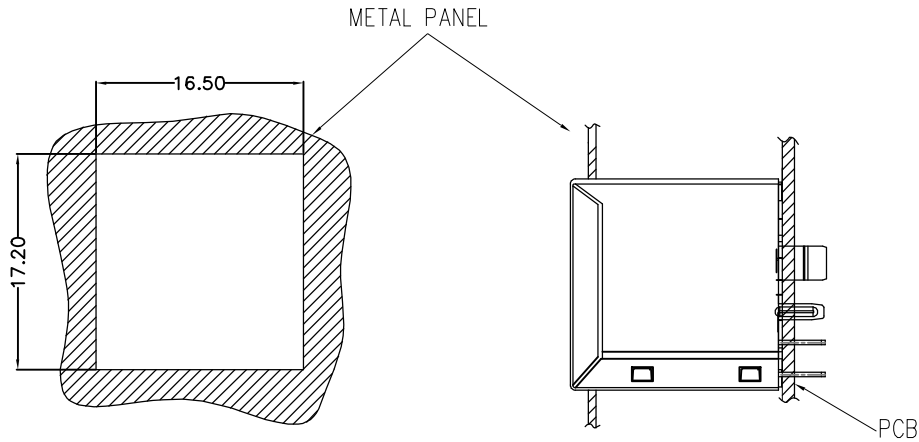
DESIGND BY:
ZG.Hu

REACH & RoHS
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2017.10.30

Suggested Panel Opening:

Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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TITLE:
180° TAB-UP 1X1 100BASE POE
PART NO.:
DGKYD511B580GWA8DP
REMARK:

SIZE
A4
SACLE
1:1
SHEET
2/4

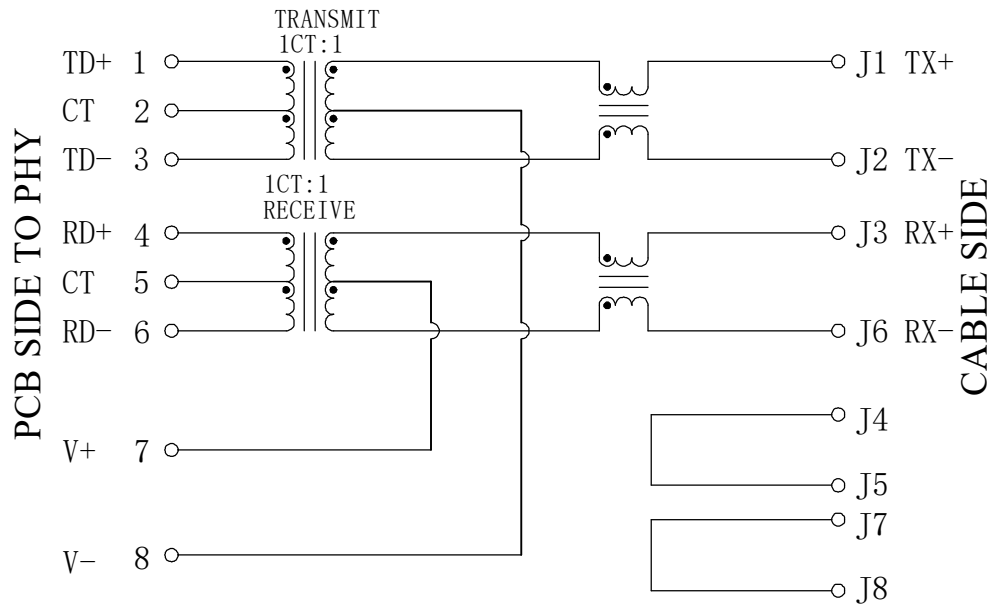
UNITS
MM[INCH]
REV
A0

GENERAL TOLERANCES
UNLESS SPECIFIED
x ± 0.35
x ± 0.30
xx ± 0.25
xxx ± 0.10
x° $\pm 3.0^\circ$
x° $\pm 2.0^\circ$
xx° $\pm 1.5^\circ$
xxx° $\pm 1.0^\circ$

APPROVED BY:
JP.Gong
CHECKED BY:
TW.Xu
DESIGND BY:
ZG.Hu

REACH & RoHS
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2017.10.30



Electrical:

- Turn ratio:1~2:J1~J2=1CT:1CT($\pm 2\%$).
3~6:J3~J6=1CT:1CT($\pm 2\%$).
- OCL:350uH Min.at 100KHz 100mV 8mA DC.
- Insertion Loss: -1.0 dB Max 1~100MHz.
- Return loss: -20dB Min 1~10MHz;
-16dB Min 10~30MHz.
-12dB Min 30~60MHz.
-10dB Min 60~80MHz.
- Cross talk: -40dB Min 1~30MHz;
-35dB Min 30~60MHz;
-30dB Min 60~100MHz;
- CMR: -30dB Min 1~100MHz;
- Hi-Pot:(1.2.3.4.5.6)TO(J1.J2.J3.J6)1500V AC 6S 1mA
- Single port magnetic jack POE magnetics acc.
To IEEE802.3af for PSE or PD applications.
- 100% of production tested to comply with
IEEE 802.3 isolation equirements balanced DC
line current 350mA max. @57V DC continuous.

DGKYD

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TITLE:

180° TAB-UP 1X1 100BASE POE

PART NO.:

DGKYD511B580GWA8DP

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

APPROVED BY:

JP.Gong

CHECKED BY:

TW.Xu

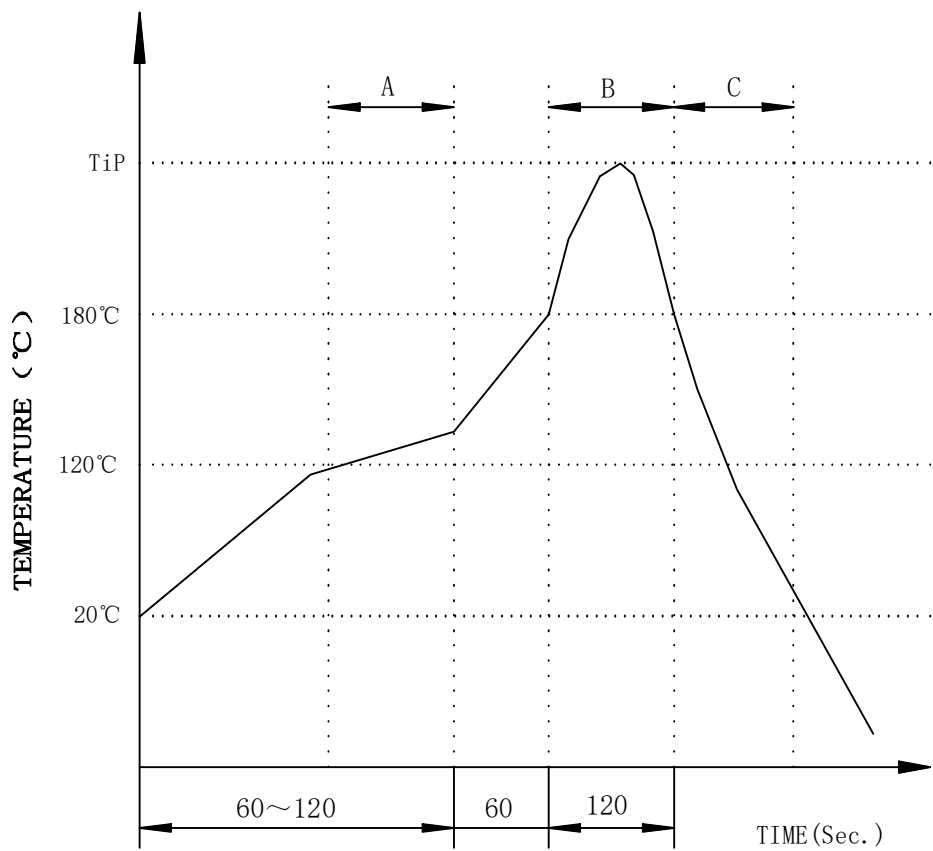
DESIGND BY:

ZG.Hu

PROFILE OF WAVE SOLDER

REACH & RoHS
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	ZG.Hu	2017.10.30



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.

A	东莞市科优达电子科技有限公司 Dong Guan Ke You Da Electronic Tech.Co.,Ltd Tel:+86-0769-87334608; Fax:+86-0769-87847129 WWW.DGKYD.COM	TITLE: 180° TAB-UP 1X1 100BASE POE	SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: JP.Gong
		PART NO.: DGKYD511B580GWA8DP	SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: TW.Xu
		REMARK:	SHEET 4/4		.xx±0.25	.xx°±1.5°	DESIGND BY:
					.xxx±0.10	.xxx°±1.0°	ZG.Hu