

# Specification for Approval

## 产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHDG96503PTG

Version No.:

V0.1

Description:

100/1000 BASE-T

Laser Marking

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE::2024/7/13		日期DATE:

Please Return One Copy to Us After Approved,TKS! (承认后请回寄一份,谢谢)

**VOOHU 沃虎**

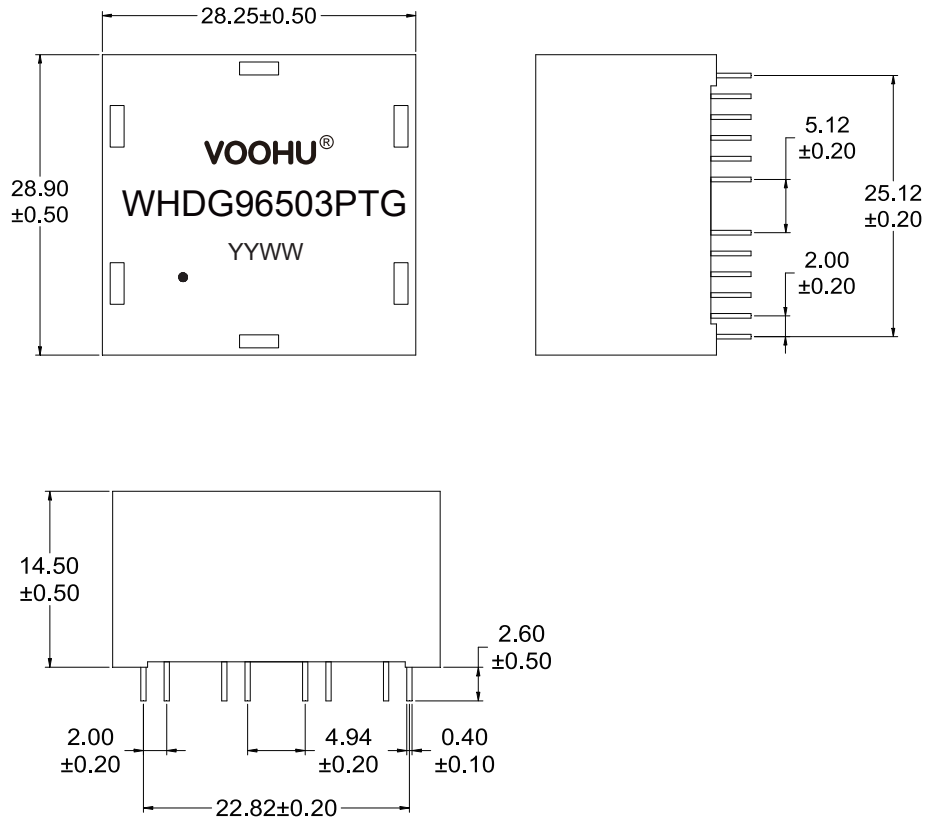
—— 连接世界 · 通信未来 ——

苏州沃虎电子科技有限公司  
SuZhou Voohu Electronic Tech.Co.,Ltd

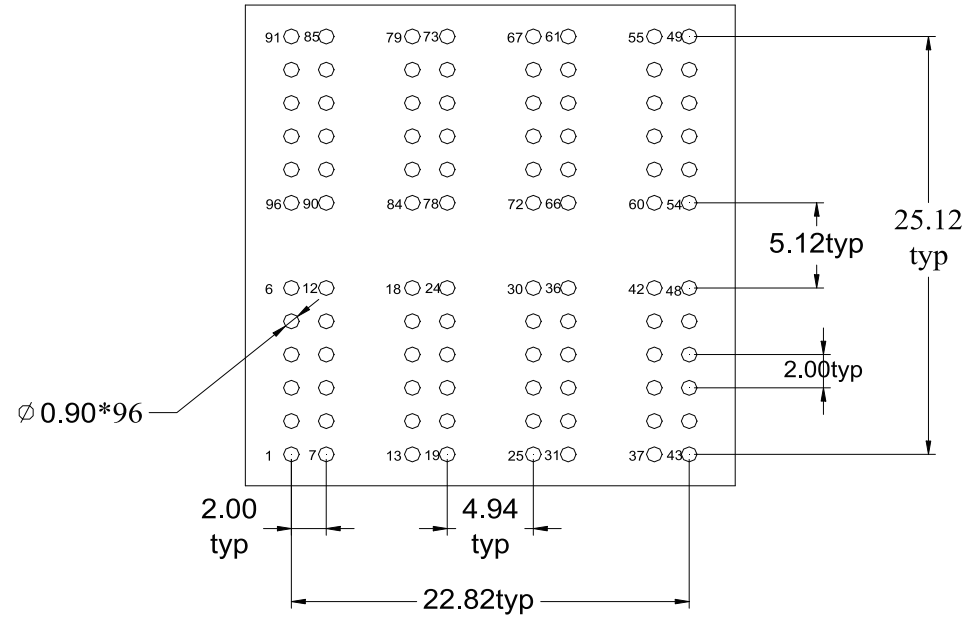
地址：江苏省苏州市吴江区阿尔法大厦A栋  
ADD: Building A, Alpha Building, Wujiang District,  
Suzhou City, Jiangsu Province

TEL: +86 400 1048 018      WEB: www.wohu-tek.com/  
+86 13338655578      E-MAIL: wohu@wohu-tek.com

# A. MECHANICAL(unit:mm)



# B. PCB Layout mounting Hole(Top View)



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TITLE:  
100/1000 BASE-T

PART NO.:  
WHDG96503PTG

REMARK:

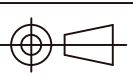
SIZE  
A4

SACLE  
1:1

SHEET  
1/3

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

$x \pm 0.35$   
 $.x \pm 0.30$

$.xx \pm 0.25$   
 $.xxx \pm 0.10$

$x^\circ \pm 3.0^\circ$   
 $.x^\circ \pm 2.0^\circ$

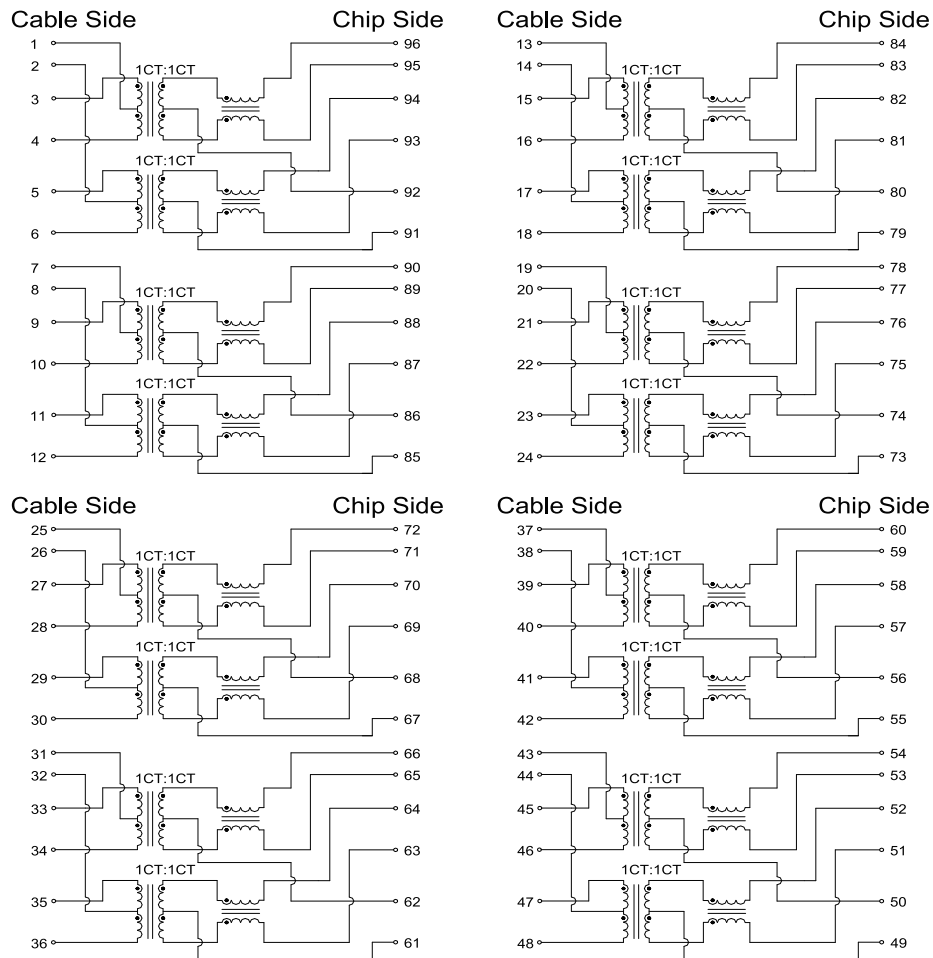
$.xx^\circ \pm 1.5^\circ$   
 $.xxx^\circ \pm 1.0^\circ$

APPROVED BY:  
Geoffrey.Song

CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

C. SCHEMATICS



D. ELECTRICAL SPECIFICATIONS @25°C

- Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C
1. OCL: 350 uH Min @ 100KHz, 0.1V with 8mA DC BIAS
  2. Leakage Inductance: 0.5 uH Max @ 100KHz, 0.1V
  3. DCR: 1400 mΩ Max
  4. Turns Ratio: 1CT:1CT±5%
  5. Insertion Loss: -1.2 dB Max @ 0.5-1 MHz  
-0.2-0.002\*f<sup>1.4</sup> dB Max @ 1-125 MHz
  6. Return Loss: -16 dB Min @ 1-40 MHz  
-10+20\*log (f/80) dB Min @ 40.1-100 MHz
  7. Cross Talk: -30 dB Min @ 1-100 MHz
  8. Common Mode Rejection: -30 dB Min @ 1-100 MHz
  9. Isolation Hipot: 1500VAC 1mA 60S
  10. Operating temperature -40°C to +85°C(Included The Temperature Rise)
  11. Storage temperature -40°C to +85°C
  12. IEEE802.3at compliant performance---720mA Current Capability

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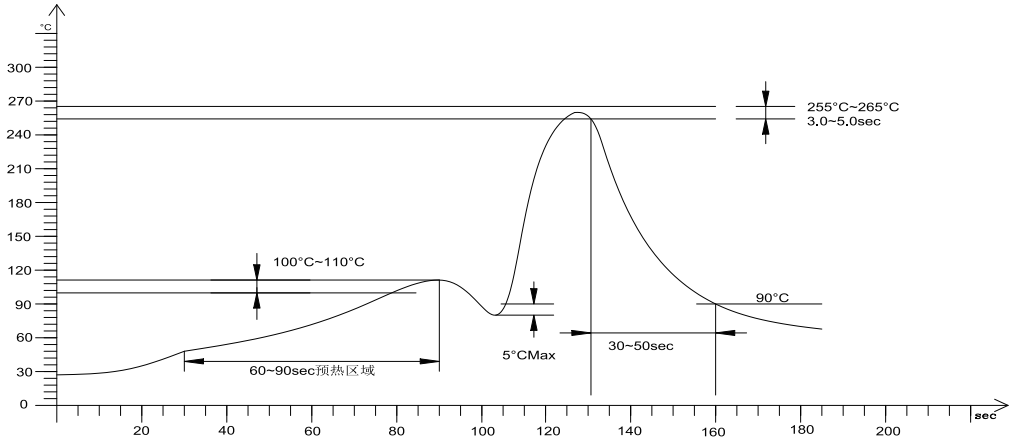
x±0.35	x°±3.0°
.x±0.30	.x°±2.0°
.xx±0.25	.xx°±1.5°
.xxx±0.10	.xxx°±1.0°

APPROVED BY:  
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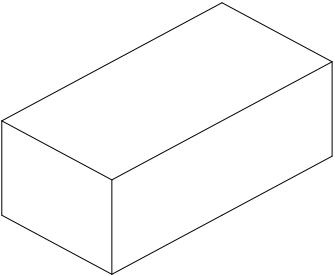
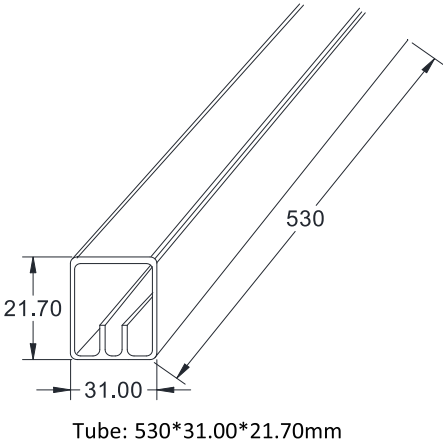
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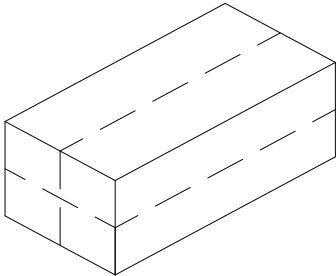
D. RECOMMEND WAVE SOLDERING CURVE



E. Packaging specification



Inner Carton: L575\*W170\*H87mm



Export Carton: L583\*W380\*H210mm

Package Quantity:

- One Tube=17Pcs
- One Inner Carton=17\*20=340Pcs
- One Export Carton=340\*4=1360Pcs

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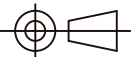
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