

# Specification for Approval

## 产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHSG48601-2PTG

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**

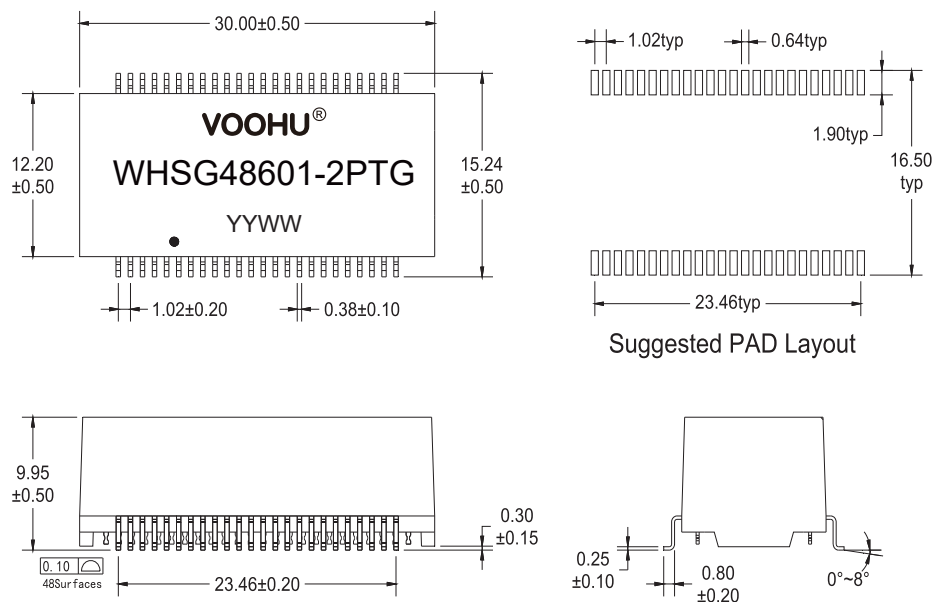
—— 连接世界 · 通信未来 ——

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

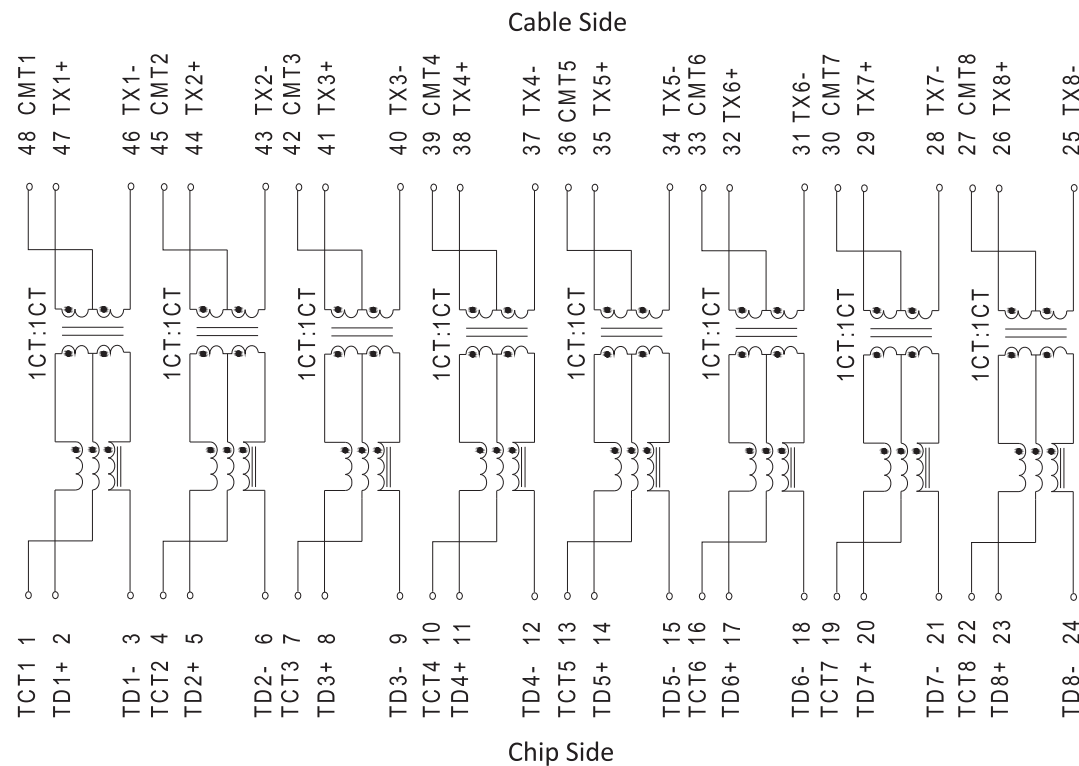
地址：江苏省苏州市吴江区阿尔法大厦A栋  
ADD: Building A, Alpha Building, Wujiang District,  
Suzhou City, Jiangsu Province



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

### A. MECHANICAL(unit:mm)



## B. SCHEMATICS

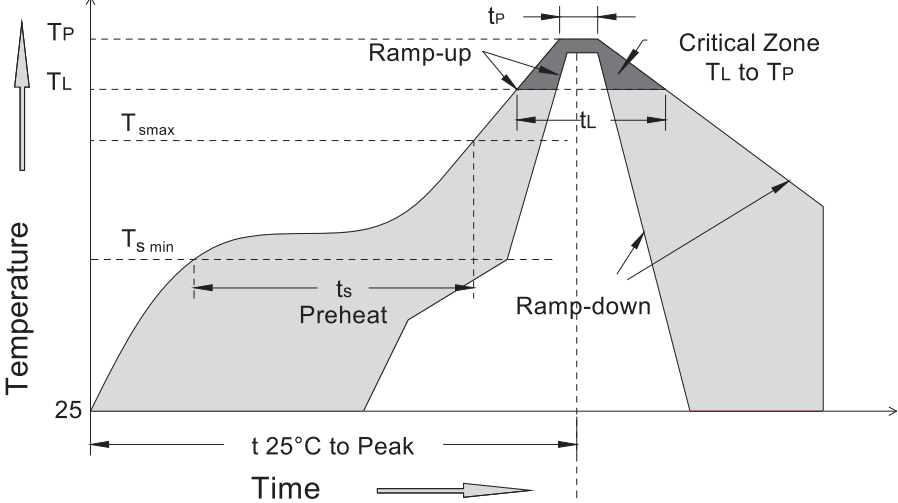


<div> 苏州沃虎电子科技有限公司</div> <div>Su Zhou Voohu Electronic Tech.Co.Ltd</div>		TITLE: 100/1000 BASE-T		SIZE A4	UNITS MM[INCH]	GENERAL TOLERANCES UNLESS SPECIFIED		APPROVED BY: Geoffrey.Song	
		PART NO.: WHSG48601-2PTG		SACLE 1:1	REV A0	x±0.35	x°±3.0°	CHECKED BY: Elvis.Song	
						.x±0.30	.x°±2.0°		
TEL: +86 400 1048 018	WEB: <a href="http://WWW.WOHU-TEK.COM">WWW.WOHU-TEK.COM</a>	REMARK:		SHEET 1/3		.xx±0.25	.xx°±1.5°	DESIGND BY: Sunny.Xu	
						.xxx±0.10	.xxx°±1.0°		

C. ELECTRICAL SPECIFICATIONS @25°C

- Unless Otherwise Specified, Testing is Performed at 25°C ± 5°C
- 1. OCL: 350uH Min @ 100 KHz, 0.1V 21mA DC BIAS
  - 2. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V
  - 3. DCR: 1.4Ω Max
  - 4. Turns Ratio: 1CT:1CT±5%
  - 5. Insertion Loss: -1.2 dB Max @ 0.5-1 MHz  
-0.2-0.002\*f^1.4 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. 720mA Current Capability--It is suitable for IEEE 802.3at

D. RECOMMEND REFLOW SOLDERING CURVE



MSL:  
Grade: 1 level. Floor life: 0.5 year Condition:≤30°C/60%RH.  
Ramp up rate=3°C/s max Ramp down rate=6°C/s max  
TL=217°C tL=60s-150s Tp=250+/-3°C Time within 5°C of actual Peak Temperature (tp): 20~40s  
Ts min=150°C Ts max=200°C Ts min to Ts max: 60s-180s, 25°C to peak Temperature: 8minutes max

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TITLE:  
100/1000 BASE-T

PART NO.:  
WHS G48601-2PTG

REMARK:

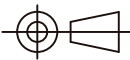
SIZE  
A4

SACLE  
1:1

SHEET  
2/3

UNITS  
MM[INCH]

REV  
A0



GENERAL TOLERANCES  
UNLESS SPECIFIED

x±0.35  
.x±0.30

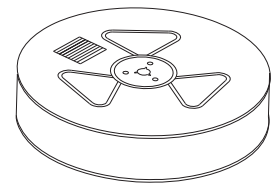
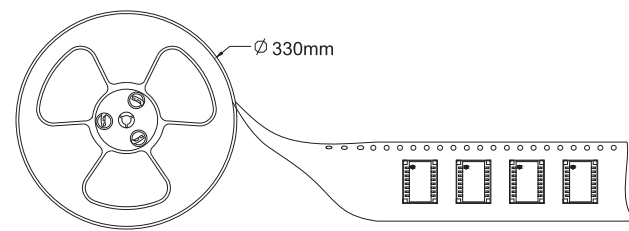
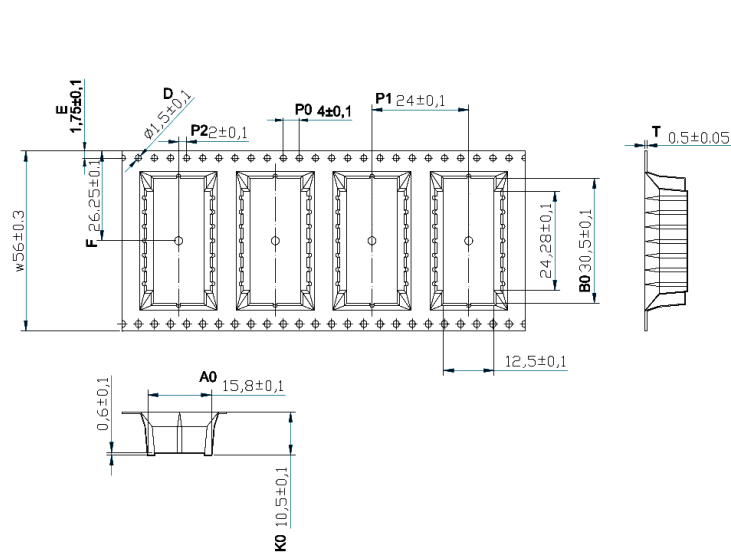
.xx±0.25  
.xxx±0.10

APPROVED BY:  
Geoffrey.Song

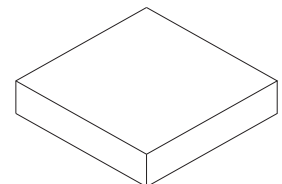
CHECKED BY:  
Elvis.Song

DESIGND BY:  
Sunny.Xu

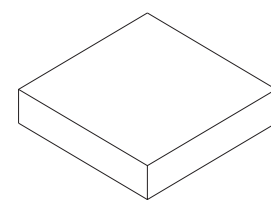
E. PACKAGE INFORMATION



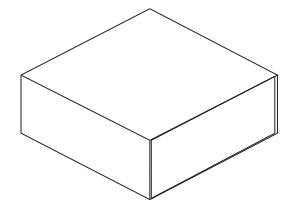
One Reel



Inner Carton



Five Inner Carton



Export Carton

Package Quantity:

One Reel=200Pcs

One Inner Carton=200\*1=200Pcs

One Export Carton=200\*5=1000Pcs

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TITLE:  
100/1000 BASE-T  
PART NO.:  
WHS48601-2PTG

SIZE  
A4  
SACLE  
1:1  
SHEET  
3/3

UNITS  
MM[INCH]  
REV  
A0

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

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REMARK: