



Yx-TEK
亚湘科技

APPROVED SHEET

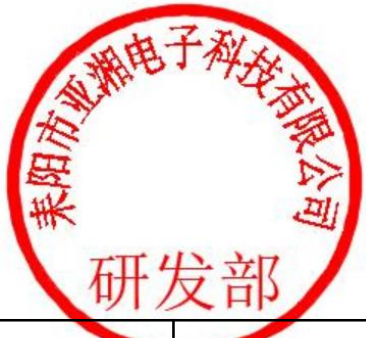
CUSTOMER: _____

CUSTOMER P/N: _____

P/N: TB1603G

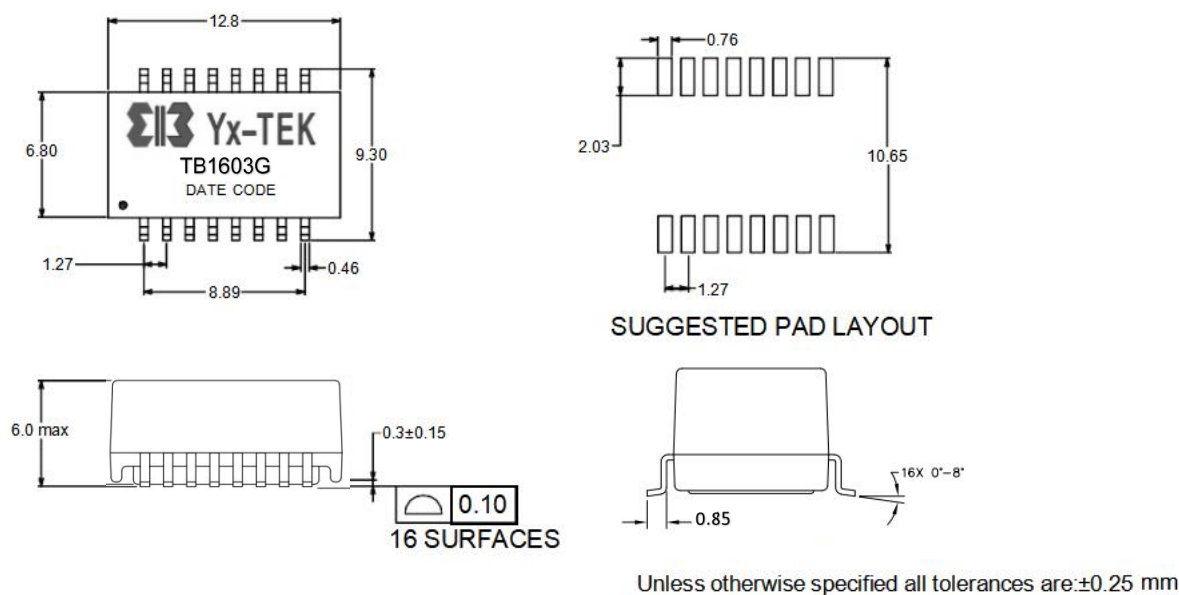
REV: R1

DESCRIPTION: 10/100Base-TX Single Port Automotive LAN Transformer

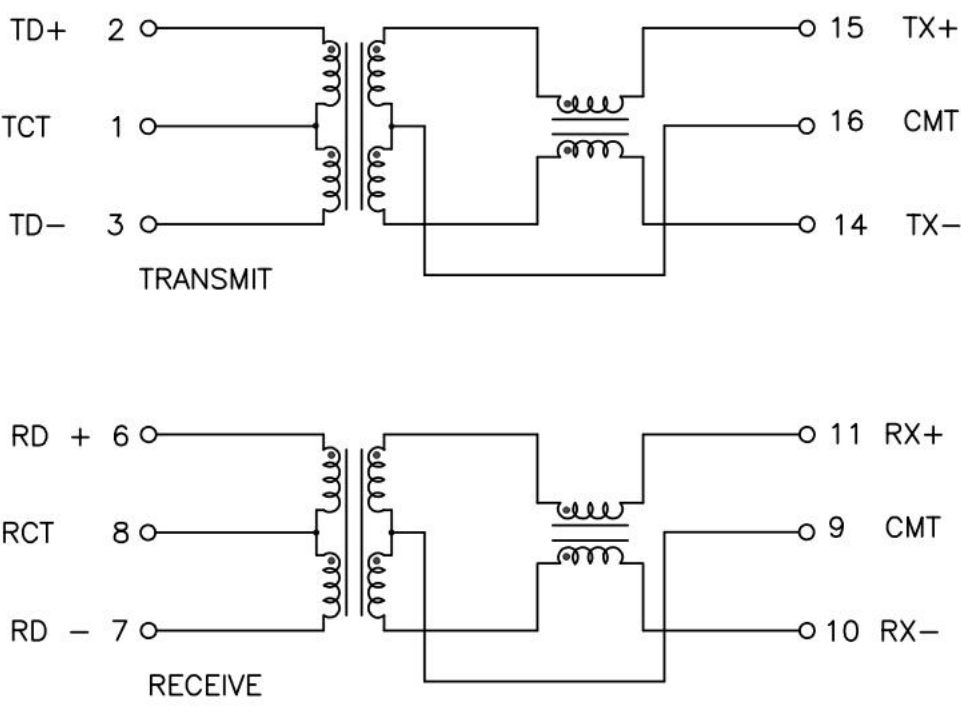
CUSTOMER APPROVAL		COMPANY APPROVAL	
			
INSPECTED BY:		ISSUED BY:	Yang.Z
CHECKED BY:		CHECKED BY:	An.L
APPROVED BY:		APPROVED BY:	Mcdull
APPROVED DATE:		ISSUED DATE:	July.31.2023

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

A: MECHANICAL



B: SCHEMATICS



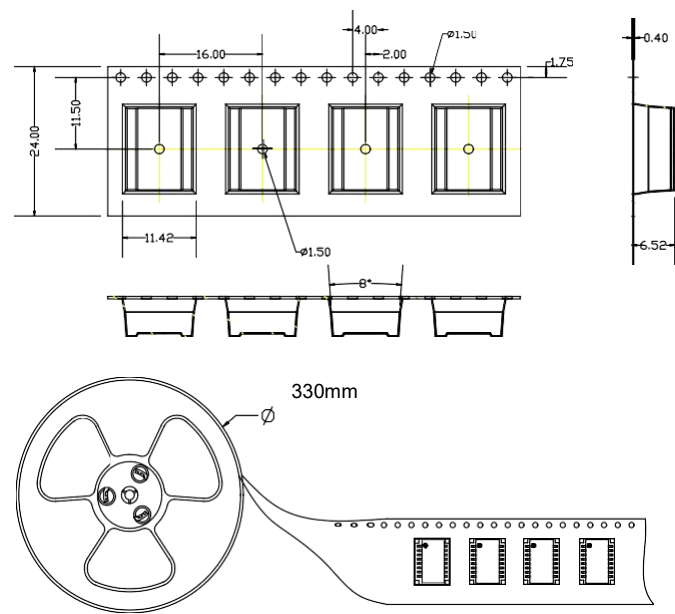
DESCRIPTION	YX P/N	SPEC NO.	REV: R1
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C. ELECTRICAL SPECIFICATIONS @25°C

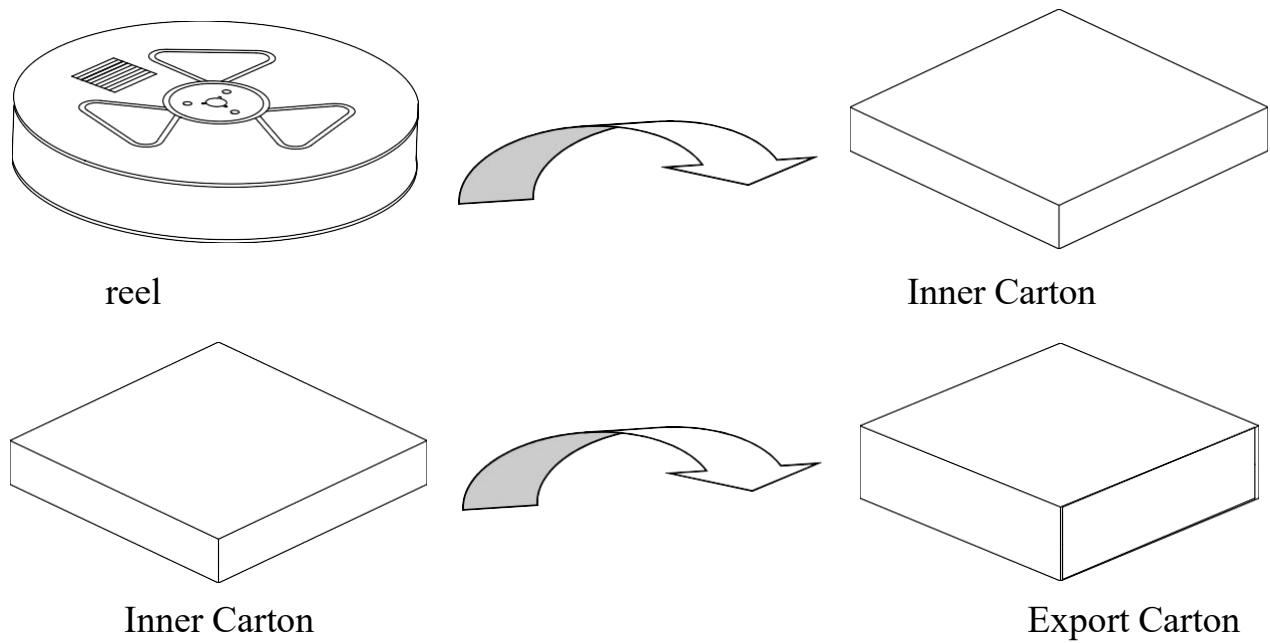
1. AEC-Q200 Qualified.
2. OCL: 200 uH Min @ 100 KHz, 0.1V .& 100uH Min @ 100 KHz, 0.1V , -40°C/+90°C 。
3. Leakage Inductance: 0.5uH Max @ 100KHz, 0.1V.
4. DCR: 1.2 Ω Max.
5. Cww:18 pF Max @ 100KHz, 0.1V.
6. Turns Ratio: TRANSMIT (1CT:1CT) ±2%; RECEIVE (1.5CT:1CT) ±2%
7. Insertion Loss: (TRANSMIT) : -1.0 dB Max @ 1-50 MHz
(RECEIVE) : -1.5 dB Max @ 1-50 MHz
8. Return Loss: (TRANSMIT) : -18 dB Min @0.5-40 MHz
-14.5 dB Min @ 60 MHz
-12 dB Min @ 80 MHz
(RECEIVE) : -18 dB Min @0.5 MHz
-10 dB Min @ 40 MHz
-8 dB Min @ 60 MHz
-6 dB Min @ 80 MHz
9. Cross Talk: -45 dB Min @ 30 MHz
-35 dB Min @ 60 MHz
-30 dB Min @ 100MHz
10. Isolation Hi-pot: 1500VAC 1mA 60S.
11. Operating temperature : -40°C to +95°C
12. Storage temperature: -50°C to +125°C
13. Compliant: RoHS-6.

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D. PACKAGE INFORMATION



备注: 每卷载带前空15PCS格,后空20PCS格(靠近卷轴端为前)



Package Quantity

- One Reel=600Pcs
- One Inner Carton=600*2=1200Pcs
- One Export Carton=600*6=3600Pcs

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