

APPROVED SHEET

CUSTOMER:

CUSTOMER P/N:

JWD P/N:

S16037GA

REV:

R0

DESCRIPTION:

10/100Base-TX

Automotive Application

Meet AEC-Q200 Standard

Laser Marking

CUSTOMER APPROVAL		COMPANY APPROVAL	
INSPECTED BY:		ISSUED BY:	Mingrui, Song
CHECKED BY:		CHECKED BY:	/
APPROVED BY:		APPROVED BY:	Focus Wang
APPROVED DATE:		ISSUED DATE:	2019/10/16

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

四川经纬达科技集团有限公司

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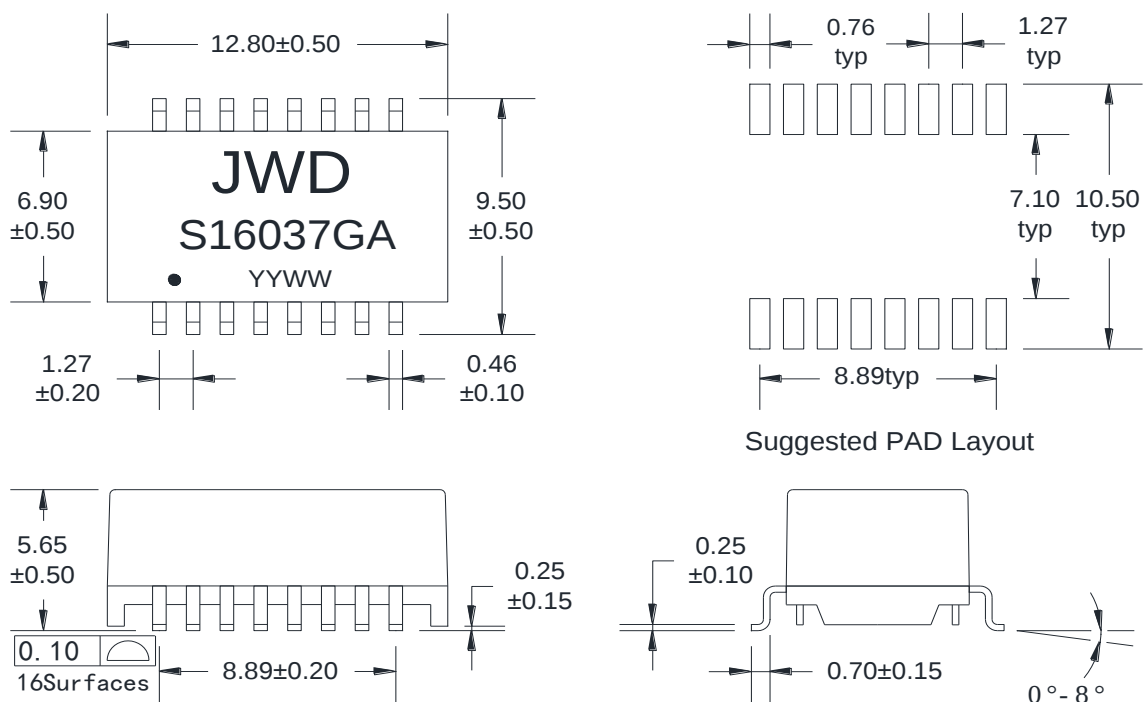




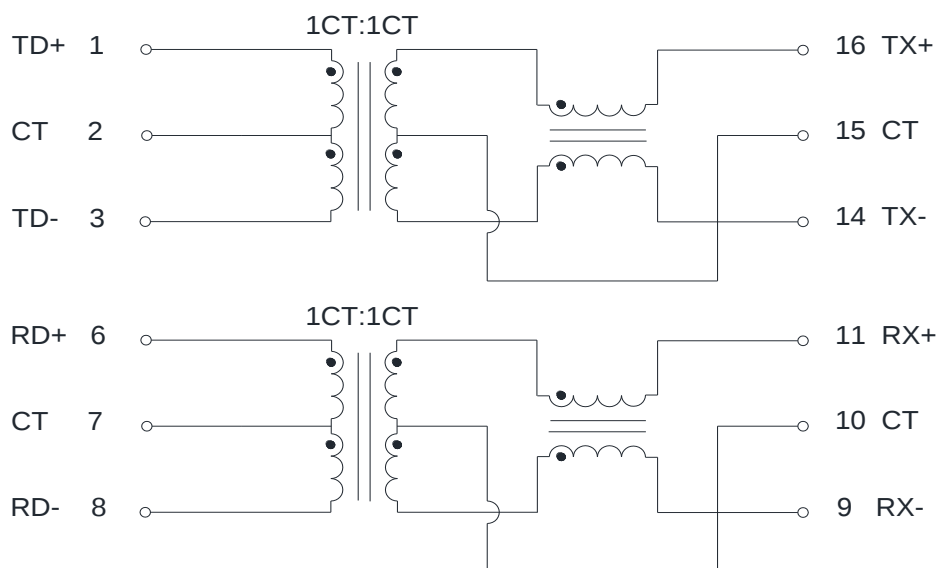
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A. MECHANICAL(unit:mm)



B. SCHEMATICS



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C. ELECTRICAL SPECIFICATIONS @25°C

1. OCL(TD/RD): 350uH Min @ 100 KHz, 0.1V with 8mA DC BIAS
2. Leakage Inductance(TD,TX Shorted/RD,RX Shorted): 0.5uH Max @ 100KHz, 0.1V
3. DCR: Pri(TD/RD): 1.0 OHM Max
Sec(TX/RX): 1.4 OHM Max
4. Turns Ratio(TD:TX/RD:RX): 1CT:1CT±5%
5. Insertion Loss(TD to TX / RD to RX): -1.1 dB Max @ 1-100 MHz
6. Return Loss(100 ohm load on TX/RX side):
 - 18 dB Min @ 1-30 MHz
 - 13 dB Min @ 30-60 MHz
 - 12 dB Min @ 60-80 MHz
7. Cross Talk(Between each channel):
 - 40 dB Min @ 1-60 MHz
 - 35 dB Min @ 60-100 MHz
8. Common Mode Rejection(TD to TX/RD to RX):
 - 37 dB Min @ 1-60 MHz
 - 30 dB Min @ 60-100 MHz
9. C_{ww}(TD to TX/RD to RX): 35pF Max @ 100KHz, 0.1V
10. Isolation Hipot(Pri-Sec): 1500VAC 1mA 60S or 1650VAC 1mA 2S
11. Operating temperature -40°C to +125°C
12. Storage temperature -40°C to +125°C
13. Compliant with IEEE 802.3 standard.
14. Meet AEC-Q200 Standard.
15. RoHS compliant.

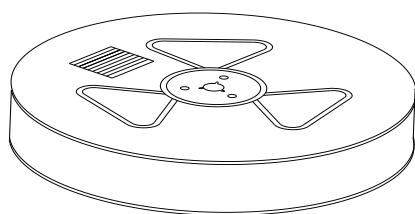
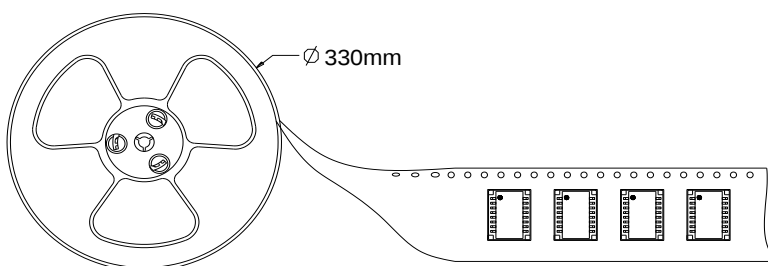
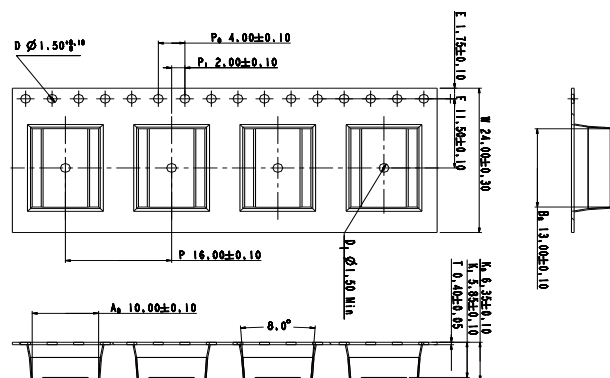
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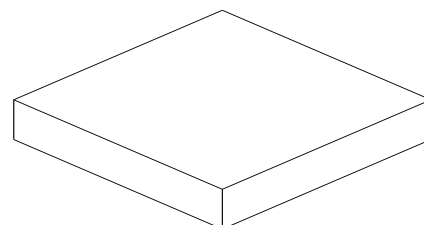
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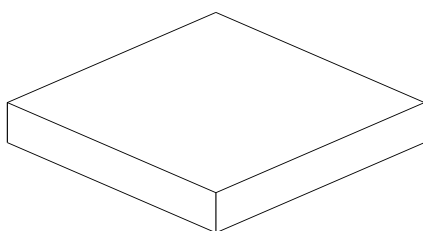
D. PACKAGE INFORMATION



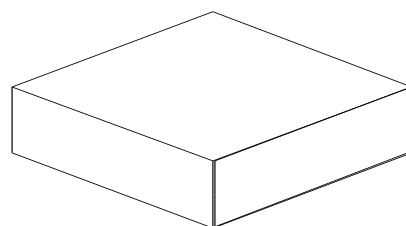
Three Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

One Reel=600Pcs

One Inner Carton=600*3=1800Pcs

One Export Carton=1800*2=3600Pcs

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