

A

B

C

D

E

F

G

H

A

B

C

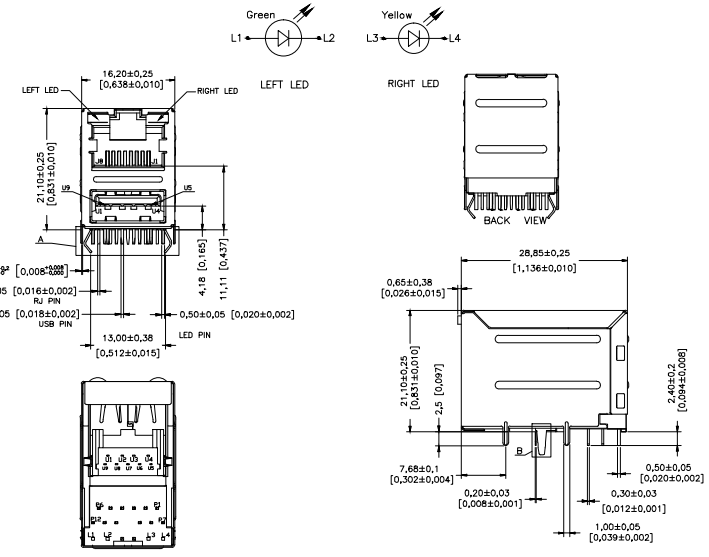
D

E

F

G

H



Notes:  
Characteristics Description:

1. RJ45 1000 Base-Tx Transformer Jack With Transformer Impedance Resistor/High Voltage Capacitor.
2. Size Same As RJ-45 Modular Jack To Save PCB Space.
3. Reduce EMI Radiation, Improve EMI Performance.
4. Designed For Network Interface Card Application.
5. Designed To Meet IEEE 802.3u Requirement.
6. Designed For 1000 Base Transmission over UTP-5 Cable.

Electrical Specifications:

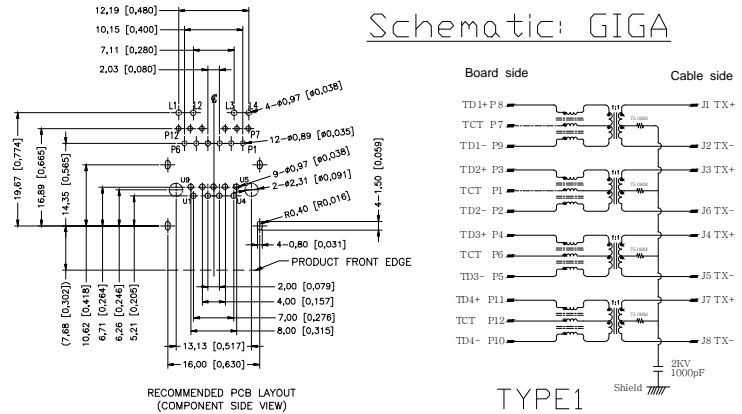
1. Inductance At 100 KHz, 100 mV 8mADC Bias: 350 uH Min.
2. Leakage Inductance 0.4 uH Max. @100KHz 100mV
3. Insertion Loss: 1.1 dB Max. @ 1-100 MHz
4. Return Loss: 18dB Min. @ 1-30MHz  
16dB Min. @ 30-60MHz  
12dB Min. @ 60-80MHz
5. Cross Talk: 30dB Min. @ 1-100MHz
6. Common Mode Rejection: 30dB Min. @1-100MHz
7. Isolation @60Hz: 1500Vrms (Input To Output) 60 Seconds

Mechanical:

1. Housing Material: Temperature BLACK UL94V-0
2. USB Housing Material: Temperature BLUE UL94V-0
3. Contact Mateial: Phosphor Bronze t=0.35mm.
4. Plating: Contact Area-Gold Plating.
5. Shield Material: Brass C2680 .T=0.2mm

Environmental:

1. Storage: -40°C To +85°C.
2. Operation: -40°C To +85°C.



RoHS compliant  
Unit:mm

Scale	Free						Date	Name	Description: MODULAR JACK RJ45 JACK / USB3.0 AF	
TOLERANCE							Drawn	21.05.2020	Luca	ASSMANN WSW-No. <b>A-MJU-8-DA-GTP-SGY50</b>
.X	±0.20						Approved	21.05.2020	Luca	
.XX	±0.15									
.XXX	±0.10									
DIM	TOL									Drawing-No. <b>ASS 8597 CO</b>
X.°	±5°	①	Drawn		21.05.2020	Luca	<b>ASSMANN</b> WSW components		rev00	
Angle	TOL	Id.	Modification		Date	Name			Customer-No.	SHEET 1 / 1