

1 2 3 4 5 6 7

A

B

C

D

E

F

G

H

LED 1	LED 2
11 12 GREEN	13 14 YELLOW

NOTES:
Characteristics Description:

1. RJ45 10/100 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

Electrical Specifications:

1. Inductance At 100KHz, 100mV 8mA DC Bias: 350uH Min.
2. Leakage Inductance 0.3uH Max, @100KHz 100mV.
3. Insertion Loss: 1.1dB Max, @1-100MHz.
4. Return Loss: 18dB Min, @1-30MHz
16dB Min, @30-60MHz
12dB Min, @60-80MHz.
5. Cross Talk: 1-100MHz 30dB Min.
6. Common Mode Rejection: 30dB Min, @1-100MHz.
7. Isolation Voltage @60Hz: 1500Vrms(Input To Output) 60 Seconds.

Mechanical:

1. Housing Material: High Temperature Black UL94V-0.
2. Contact Material: Phosphor Bronze t=0.30mm.
3. Plating: Contact Area:
A-MJT-8-EA-HRR-SGY50: 30u"Au
A-MJT-8-EA-GRR-SGY50: Gold Flash
Tails- 150u" Tin Min, Over 50u" Nickel.
4. Shield Material: 0.2mm Thickness Brass Plating Nickel.
5. Operating Life: 750 Cycles Min.
- 6.PCB retention pre-solder:1LB Min
- 7.PCB retention pre-solder:10LB Min

Environmental:

1. Storage: -40°C To +85°C.
2. Operation: 0°C To +70°C.
3. Wave Soldering Temperature: 255~265°C (5~10 Seconds)

Mates With Modular Plug Conforming To TIA-1096-A.

Packing: Tape&Reel

Schematic:GIGA

TYPE 30

PC Board Layout
Component Side Shown

RoHS compliant
Unit: mm

Scale	Free					Date	Name	Customer-No.
TOLERANCE					Drawn	28.05.2020	Winnie	
x.x	±0.20				Approved	28.05.2020	Winnie	ASSMANN WSW-No.
x.xx	±0.15							A-MJT-8-EA-xRR-SGY50
x.xxx	±0.10							Drawing-No.
DIM	TOL							ASS 8603 CO
		①	Drawn	28.05.2020	Winnie			rev00
Angle	±5°	ld.	Modification	Date	Name			Sheet

1 2 3 4 5 6 7

SV4897