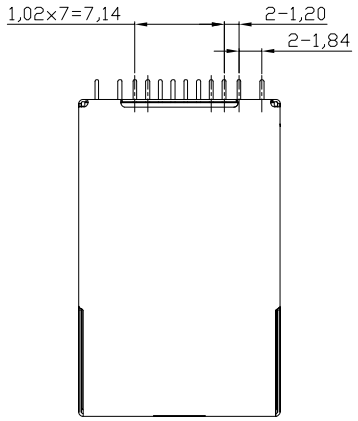
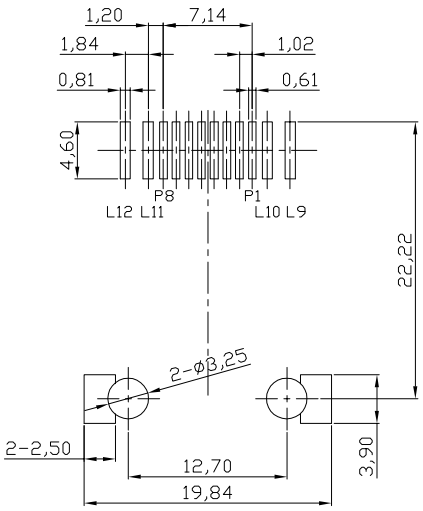
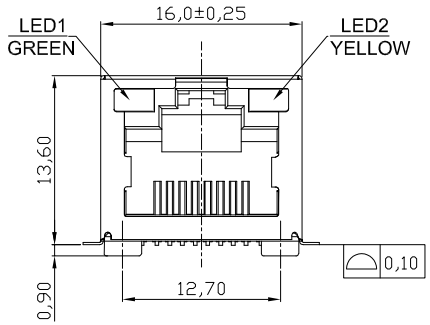
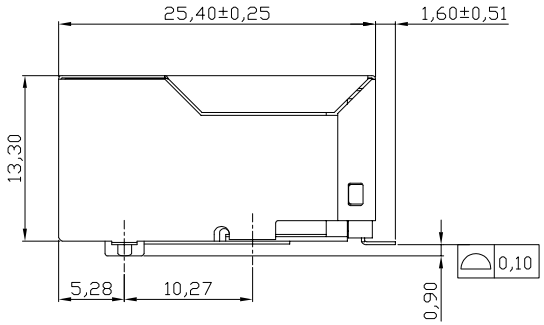


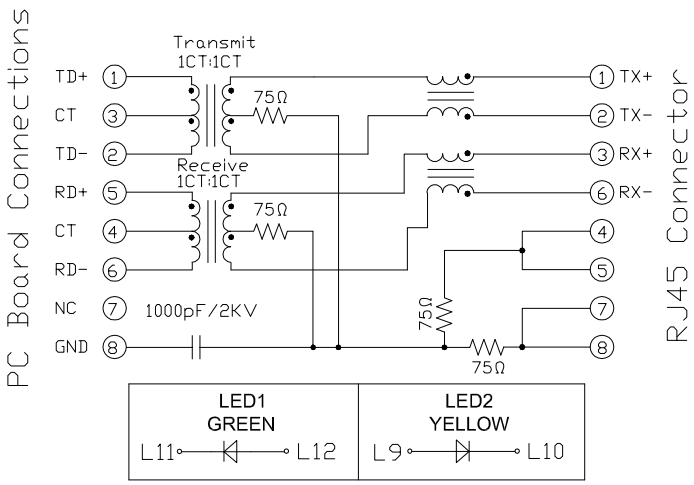


PC Board Layout Component Side Shown





Schematic:



NOTES:

Characteristics Description:
1. RJ45 10/100 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 10/100 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 Voltage @60Hz: 1500Vrms(Input to Output) 60 sec.

Mechanical:
1. Housing/Intert Material: High Temp. UL94V-0
   Color: Black
2. Contact Material: Phosphor Bronze
   T=0.30mm
3. Plating: 6u" Gold on contact area
   100~200u" Tin on solder area
   all over 30~80u" Nickel
4. Shield Material: Brass T=0.20mm
5. Shield Plating: 50u" Nickel plating
6. Operating Life: 750 cycles min.

Environmental:
1. Storage: -40°C to +85°C
2. Operation: -40°C to +85°C
3. Wave soldering temperature: 255~265°C
   (5~10Seconds)
4. Packing: Tape reel

Mates with Modular Plug Conforming to TIA-1096-A

RoHS compliant
Unit: mm

Scale	Free
TOLERANCE	
.X	±0.20
.XX	±0.15
.XXX	±0.10
DIM	TOL
Angle	±5°

Id.	Modification	Date	Name
0	Drawn	30.11.2015	Amy

	Date	Name
Drawn	30.11.2015	Amy
Approved	30.11.2015	Amy

ASSMANN WSW components

Customer-No.

ASSMANN WSW-No.
AMJH-8-S-R-R13

Drawing-No.
ASS 7071 CO

rev00

Replace

Sheet