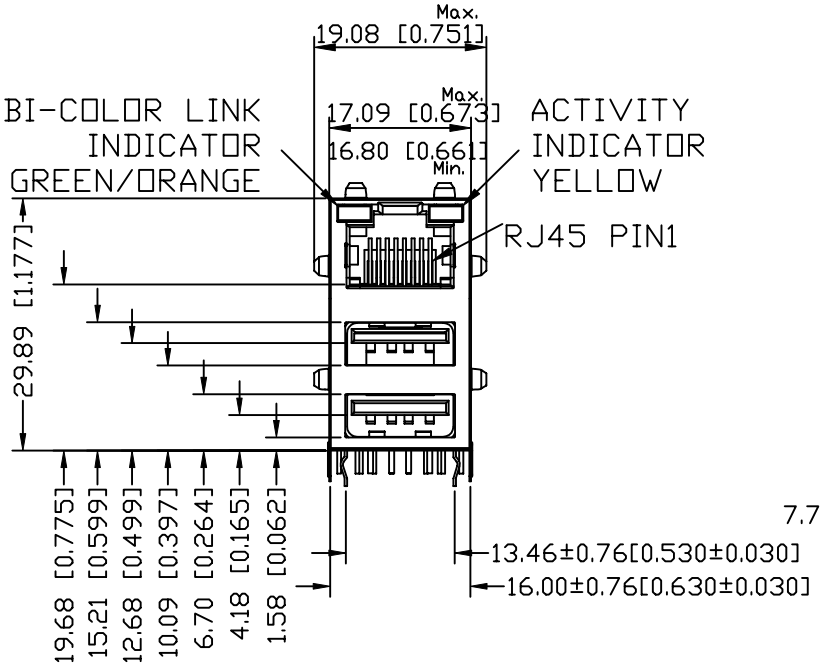
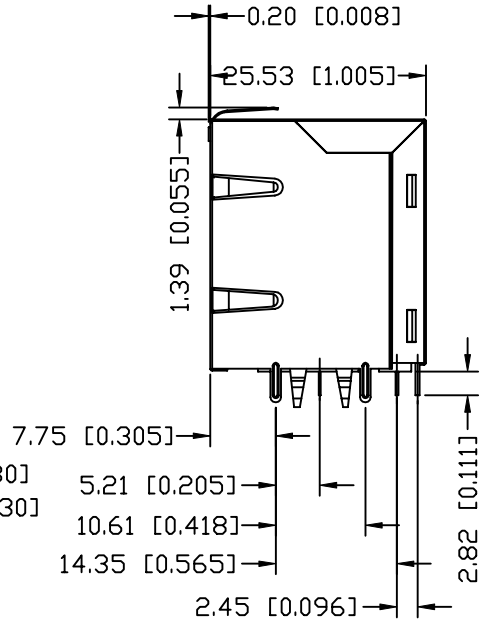
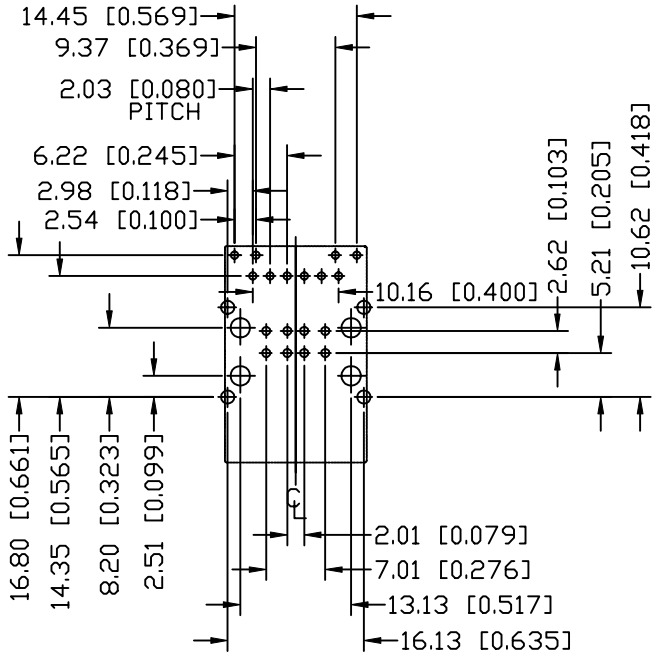
1. MECHANICAL DIMENSIONS :







RECOMMENDED P.C.B. FOOTPRINT / COMPONENT SIDE
P.C.B LATOUT TOLERANCE : .XX ±0.08[0.003]

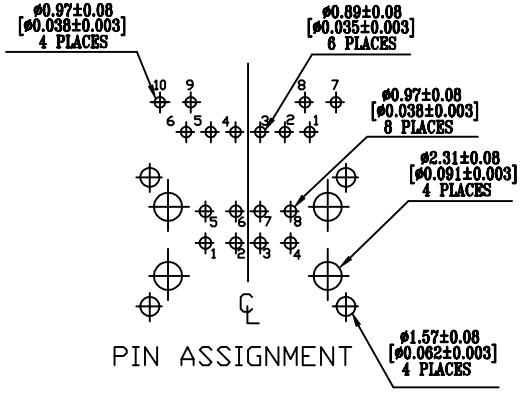
Part Numbering

XRJB-S-1-86-Z-K6-MH1

XRJB Series
S : Shielded
U : Unshielded
86:8P6C
88:8P8C
8A:8P10C
LED COLOR OPTION

0	w/o FILTER
1	10/100 BASE FILTER
2	10/100/1000 BASE FILTER
3	10 BASE FILTER

Preliminary



NOTES:

1. RJ45 MECHCNICAL:
   PLASTIC HOUSING: THERMOPLASTIC PBT BLACK
   FLAMMABILITY RATINHG UL 94V-0
   FRONT CONTACT: PHOSPHOR-BRONZE T=0.35mm±0.01
   50u" GOLD PLATING ON CONTACT AREA,
   OVER 50u" NICKEL PLATING ON ALL AREA,
   WITH 120u" Sn/Pb PLATINTG ON SOLDER AREA.
   BACK CONTACT: BRASS T=0.40mm±0.01
   50u" NICKEL PLATING ON ALL AREA,
   WITH 120u" Sn/Pb PLATINTG ON SOLDER AREA.
   SHIELD: BRASS T=0.20mm±0.01
   50u" NICKEL PLATING ON ALL AREA,
   SOLDERABILITY: PER MIL STD. 202, METHOD 208.
   DURABILITY: 750 MATING CYCLES MIN.

2. USB MECHANICAL:
   CONTACT: PHOSPHOR-BRONZE T=0.30mm±0.01
   GOLD FLASH PLATING ON CONTACT AREA,
   OVER 50u" NICKEL PLATING ON ALL AREA,
   WITH 100u" Sn/Pb PLATINTG ON SOLDER AREA.
   SHIELD: BRASS T=0.30mm±0.01
   120u" Sn/Pb PLATINTG ON SOLDER AREA,
   OVER 50u" NICKEL PLATING ON ALL AREA.
   MATING FORCE: 35 NEWTONS MAXIMUM
   UNMATING FORCE: 10 NEWTONS MINITUM
   DURABILITY: 1500 MATING CYCLES MIN.
3. UNSPECIFIED TOLERANCE: .XX ±0.15[0.006]
   .X ±0.20[0.008]

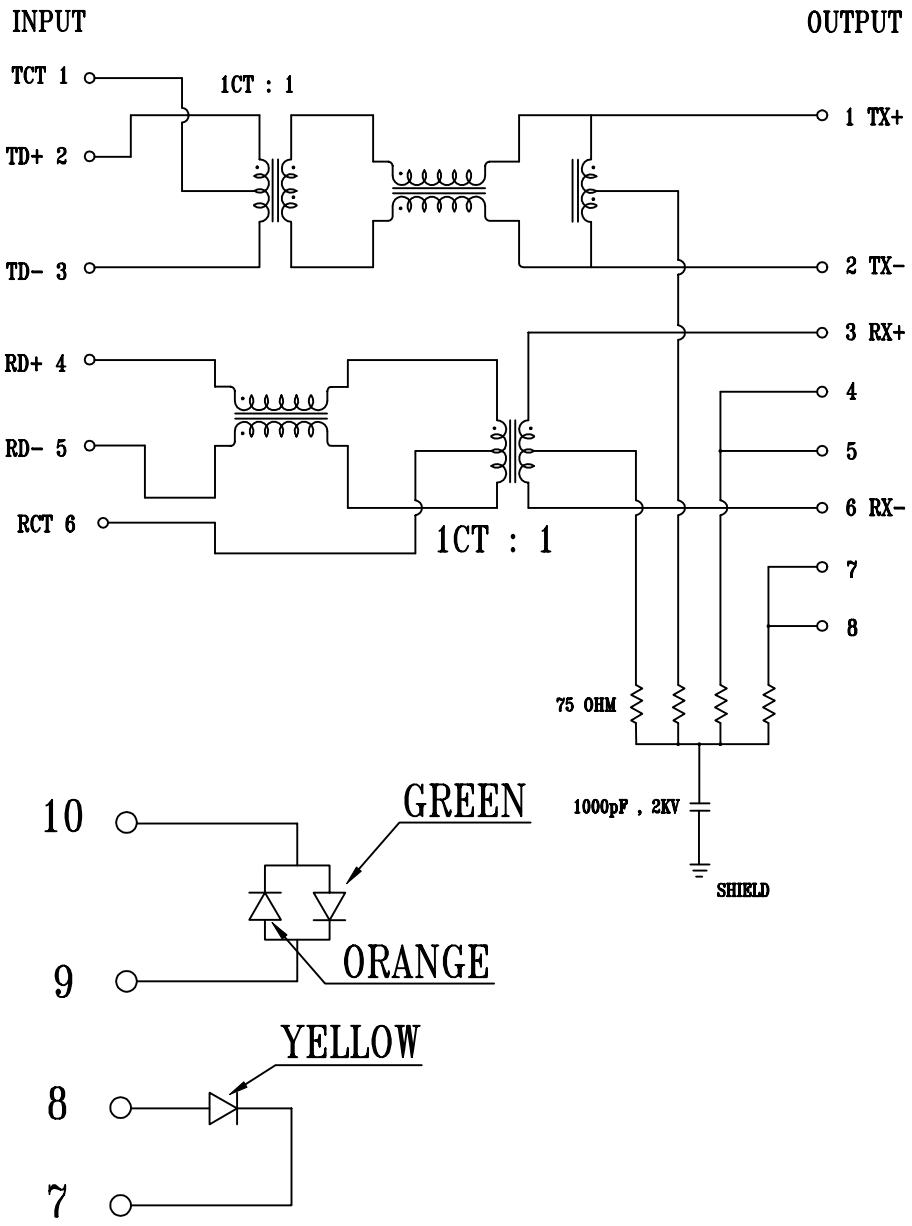
XMULTIPLE — CONNECTING THE INFORMATION AGE

XMULTIPLE ASIA 3F, No. 60, Juluen St., Taipei, 10488, Taiwan.	XMULTIPLE USA 3555 Old Conejo Road Newbury Park, CA 91320
THIS DRAWING IS A CONTROLLED DOCUMENT.	
TITEL: RJ45+USB A Type, w/LED,w/Filter 10/100 Mbps 8P,10C,Shielded,Thru-Hole	
PART NO: XRJB-S-1-86-Z-K6-MH1	

DIMENSIONS	SHEET	REV
mm [inch]	1 of 2	01

G/ND:	
DWG NO:	XRJB-S-1-86-Z-K6-MH1
DRAWN:	JEFF
CHKD:	C. TSAI
DATE:	12/03/02

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

3-1.Transmitter filter:

Type : Balance low pass 100 ΩHM impedance.

Insertion Loss : 1~100 MHz-1.0dB MAX

Return Loss : 1~30 MHz-18dB MIN. load 100 ΩHM.

30~60 MHz-16dB MIN. load 100 ΩHM.

60~80 MHz-12dB MIN. load 100 ΩHM.

3-2.Receiver filter:

Type : Balance low pass 100 ΩHM impedance.

Insertion Loss : 1~100 MHz-1.0dB MAX

Return Loss : 1~30 MHz-18dB MIN. load 100 ΩHM.

30~60 MHz-16dB MIN. load 100 ΩHM.

60~80 MHz-12dB MIN. load 100 ΩHM.

3-3.Common Mode Rejection:

@ 1~100MHZ -30dB MIN.

3-4.CRΩSS TALK:

@ 1~100MHZ -35dB MIN.

3-5.Inductance @ 100KHz, 0.1V, 8mA DC BIAS

Input(2-3), Input(4-5) : 400uH MIN

3-6.Hipot TEST:

Input(2-3), Ωutput(1-2) : 1500VAC, 60sec

Input(4-5), Ωutput(3-6) : 1500VAC, 60sec

XMULTIPLE			CONNECTING THE INFORMATION AGE
XMULTIPLE ASIA 3F, No. 60, Juluen St., Taipei, 10488, Taiwan.	XMULTIPLE USA 3555 Old Conejo Road Newbury Park, CA 91320		G/ND:
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWG ND: XRJB-S-1-86-Z-K6-MH1
TITEL: RJ45+USB A Type, w/LED,w/Filter 10/100 Mbps 8P,6C,Shielded,Thru-Hole			DRAWN: JEFF
PART ND: XRJB-S-1-86-Z-K6-MH1			CHKD: C. TSAI
DIMENSIONS: mm [inch]	SHEET: 2 of 2	REV: 01	DATE: 12/03/02