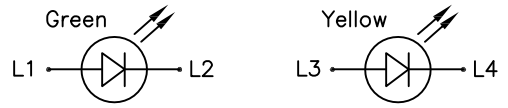
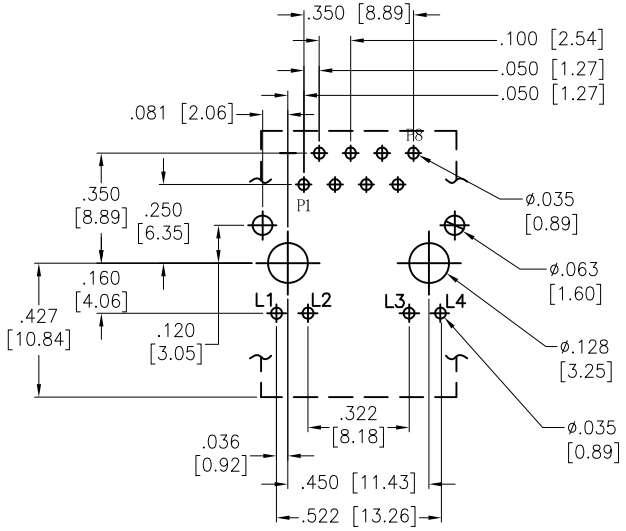
Rev	AWO #	Description	Date	Appr
-		RELEASED	5/28/14	
A		UPDATED	6/16/14	

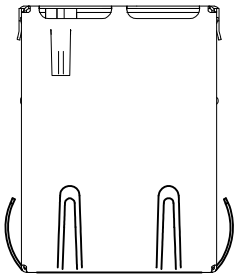
APPROVED: _____

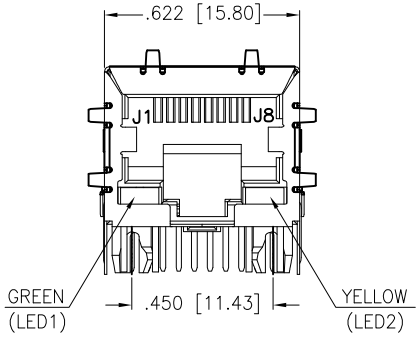
DATE: _____ TITLE: _____

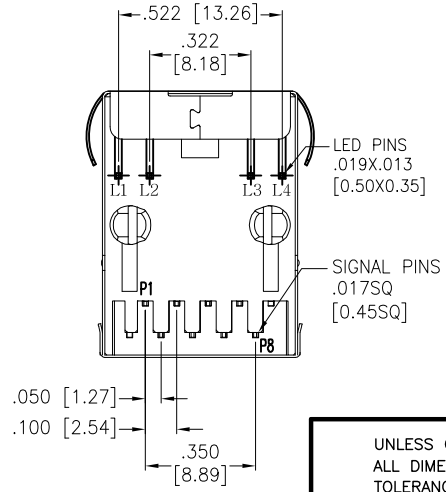


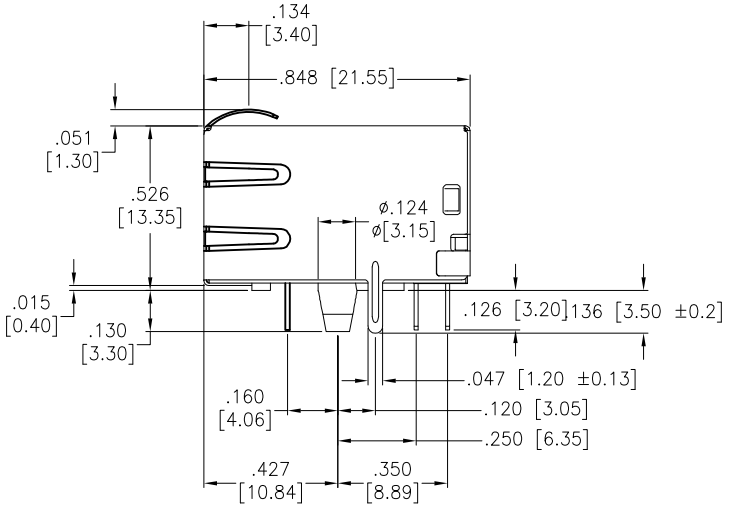


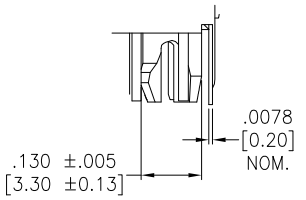
RECOMMENDED PCB LAYOUT











X	PLATING
0	15 µin Gold
1	30 µin Gold
2	50 µin Gold

SPECIFICATIONS:

Material:

Insulator: Hi-temp thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Phosphor Bronze

Solder Tail Terminal: Brass, Tin plated

Shield: Stainless, Pre-Tin Soldering

Contact Plating:

Gold Flash over 30u" min. Nickel underplate on contact area, 80u" to 100u" Matte Tin over 30u" Min Nickel underplate on tails. (See chart for Gold thickness.)

Electrical:

Insulation resistance: 500 Mohms min @ 500 VDC

Dielectric withstanding voltage: 1000 VAC for 1 minute

Mechanical:

Temperature Rating:

Operating temperature: 0°C to +70°C

Operting Life: 2,500 Cycles Min.

Environmental:

Lead free, RoHS compliant.

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	5/28/14
CHECKED	YC	5/28/14
APPROVED		

ADAM TECH
909 Rahway Avenue, Union, NJ 07083
Phone: 908-687-5000 Fax: 908-687-5710

TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C RJ45, W/ LED1 GREEN LED2 YELLOW

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LH-M41	A

REF: S00101C | SCALE: NTS | SHEET 1 OF 2

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

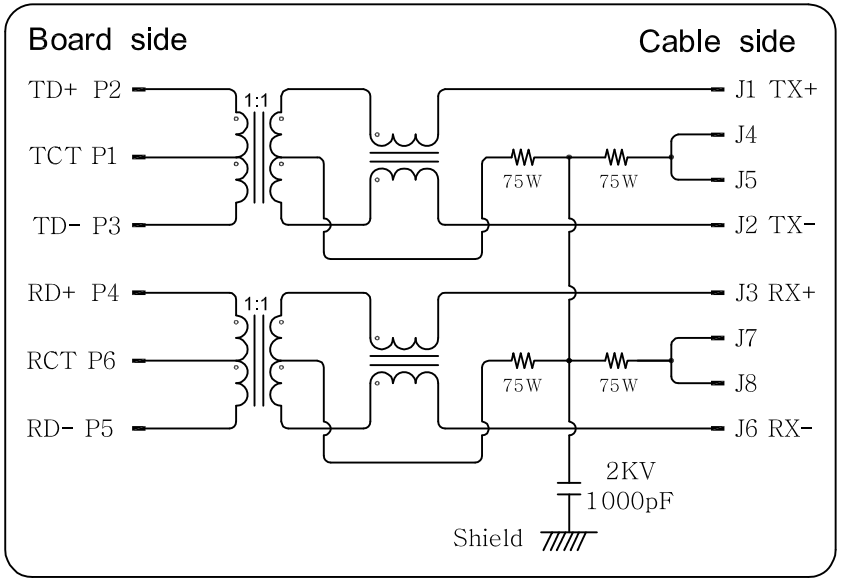
APPROVED: _____

DATE: _____ TITLE: _____

SCHEMATIC:

−10/100 BASE−T

−WITH LED



ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
   − 1~100 MHz −1.0dB MAX.

2. RETURN LOSS(LOAD 100W) :
   − 1~30 MHz −18dB MIN
   − 30~60 MHz −16dB MIN
   − 60~80 MHz −12dB MIN

3. COMMON MODE REJECTION
   − 1~100 MHz −30dB MIN

4. CROSS TALK
   − 1~100 MHz −30dB MIN

5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
   − (P2−P3),(P4−P5) : 350 uH MIN

6. HI−POT TEST
   − BOARD SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

7. TURNS RATION 100KHz
   − (P2−P3) : (J1−J2) = 1:1 ±%5
   − (P4−P5) : (J3−J6) = 1:1 ±%5

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE INCHES [MM]
TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	± .10	Ø.X	±.10
.XX	± .020	Ø.XX	±.015
.XXX	± .015	Ø.XXX	±.010

APPROVALS		DATE
DRAWN	AY	5/28/14
CHECKED	YC	5/28/14
APPROVED		

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TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C
RJ45, W/ LED1 GREEN LED2 YELLOW

SIZE	PART NO.	REV.
X	MTJ-88TX1-FSD-PG-LH-M41	A

REF: S00101C | SCALE: NTS | SHEET 2 OF 2