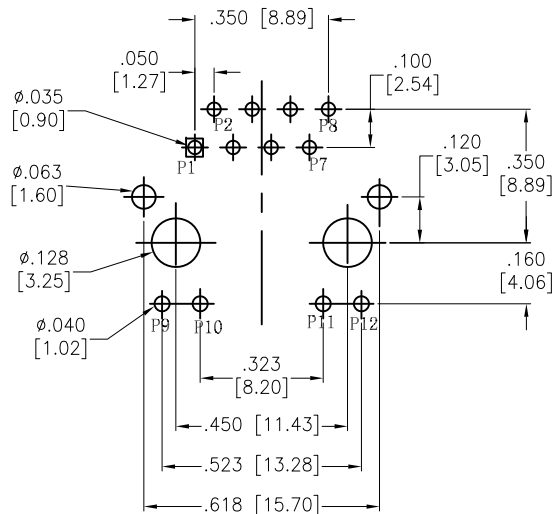
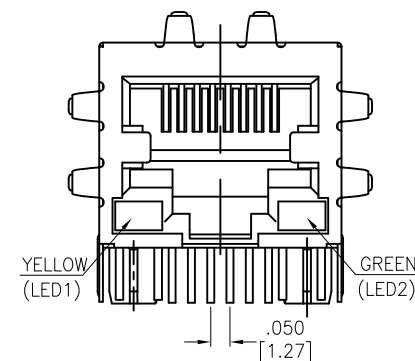
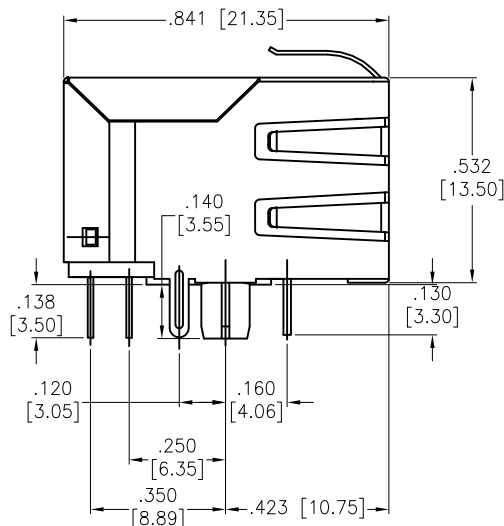


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	6/14/10	
A		REVISED SPEC.	7/7/11	
B		REVISED SPEC.	7/31/14	HR/SY
C		UPDATE DRAWING	7/16/20	AY/NL



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Housing: Thermoplastic, rated UL 94V-0, Color: Black

Contacts: Copper Alloy

Shield: Brass, Nickel plated

Plating:

Round contact

Gold over Nickel underplate overall

Flat contact

Gold over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Voltage rating: 150 VAC

Contact resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1500 VAC or 2250 VDC

Temperature Rating:

Operating temperature: 0°C to +70°C

Environmental:

Lead free, 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	DY	6/14/10
CHECKED		
APPROVED		

ADAM
TECH
INTERCONNECTS

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

TITLE		MODULAR TELEPHONE JACK, 1 PORT, 8P8C RJ45, W/ LED1 YELLOW LED2 GREEN	
SIZE	PART NO.	REV.	
X	MTJ-88TX1-FSD-PG-LG-M4	C	
REF:	S00005C	SCALE:	NTS
SHEET 1 OF 2			

6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

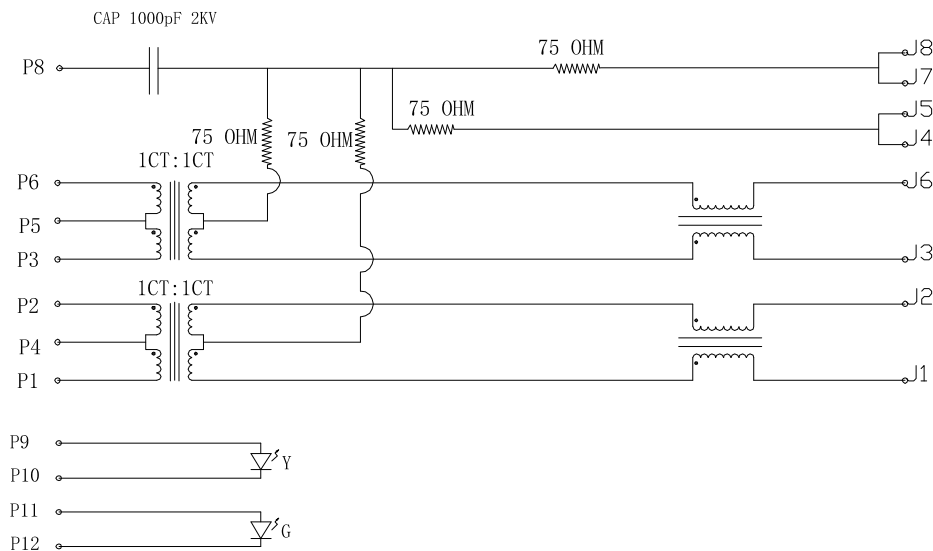
AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION



Pin	Yellow	Pin	Green
P9	+	P11	+
P10	-	P12	-

ELECTRICAL SPECIFICATIONS @25° C:

- TURN RATIO: (P1~P2) : (J1~J2)
(P3~P6) : (J3~J6)
:1:1±3%
:1:1±3%
- INDUCTANCE: (P1~P2) AND (P3~P6)
350uH MIN @0.1V, 100KHZ, 8mA DC BIAS
- LEAKAGE INDUCTANCE: P1~P2 (WITH J1 AND J2 SHORT)
:0.35uH MAX @1MHZ
P3~P6 (WITH J3 AND J6 SHORT)
:0.35uH MAX @1MHZ
- INTERWINDING CAPACITANCE: (P1~P2) : (J1~J2)
:35pF MAX @ 1MHZ
(P3~P6) : (J3~J6)
:35pF MAX @ 1MHZ
- DC RESISTANCE: (J1~J2) : (J3~J6)
1.2 OHMS MAX
- RETURN LOSS: 1MHZ TO 30MHZ
:-18dB MIN
30MHZ TO 60MHZ
:-(18-20log(f/30))dB MIN (WHERE f IS IN MHz)
60MHZ TO 80MHZ
:-12dB MIN
- DIELECTRIC WITHSTAND: (P1~P2) : (J1~J2)
:1500VAC OR 2250VDC
(P3~P6) : (J3~J6)
:1500VAC OR 2250VDC
- INSERTION LOSS: 1MHZ TO 100MHZ
:-1.2dB MAX
- CROSS TALK: 1MHZ TO 100MHZ
:-30dB MIN
- COMMON TO COMMON MODE ATTENUATION: 1MHZ TO 100MHZ
:-30dB MIN

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

DY

6/14/10

CHECKED

APPROVED

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Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE

MODULAR TELEPHONE JACK, 1 PORT, 8P8C
RJ45, W/ LED1 YELLOW LED2 GREEN

SIZE
X

PART NO.

MTJ-88TX1-FSD-PG-LG-M4

REV.
C

REF:

S00005C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1