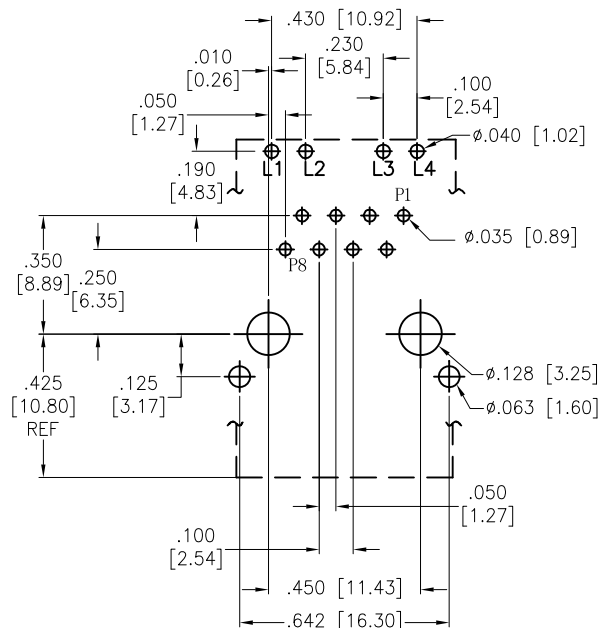
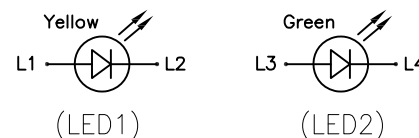
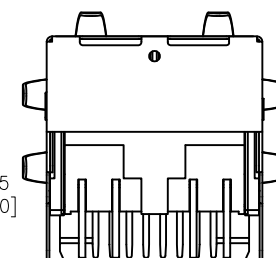
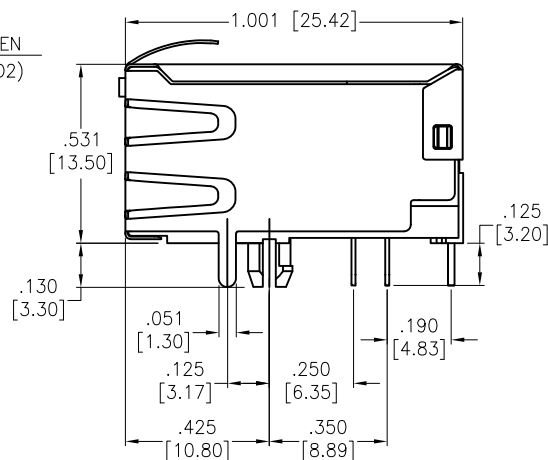
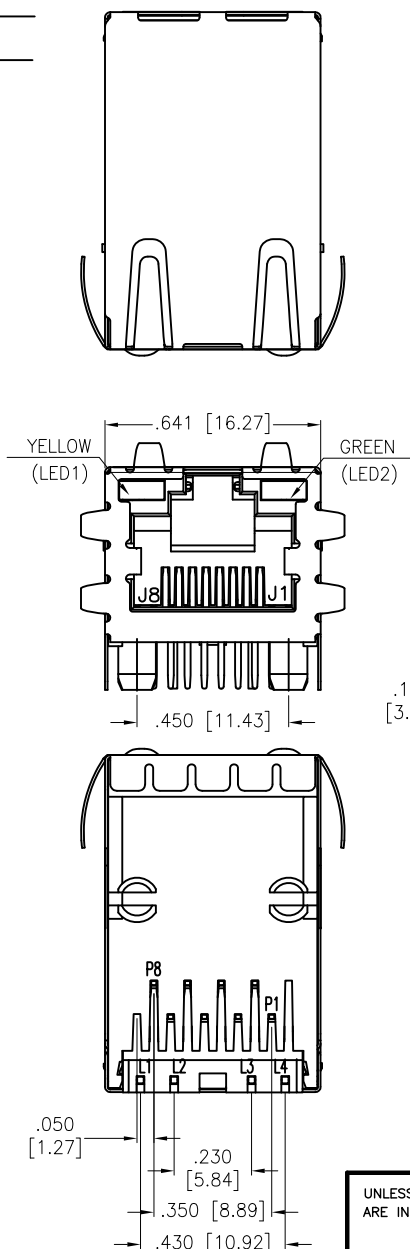


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/22/14	
A		UPDATE DRAWING	6/5/23	WX/MC



RECOMMENDED PCB LAYOUT



Emitting Color	λp (nm)	Vf @ If=20mA	Ir @ Vr=5V
Green	565	1.7V~2.6V	10μA max.
Yellow	585	1.7V~2.6V	10μA max.

SPECIFICATIONS:

Material:
 Housing: Thermoplastic, rated UL 94V-0
 Housing color: Black
 Module case: Thermoplastic, rated UL 94V-0, Color: Black
 Contacts: Phosphor Bronze
 Solder Tail terminal: Brass, Tin plated
 Shield: Stainless, pre-soldering
 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:
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 1500VAC or 2250VDC for 1 minute
 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	ØX ±.10
.XX ±.020	ØXX ±.015
.XXX ±.015	ØXXX ±.010

DRAWN	AY	4/22/14
CHECKED	NP	4/22/14
APPROVED		

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

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

SIZE X	PART NO. MTJ-88SX1-FSP-PG-LG-M7Y	REV. A
REF: S00101C	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

Board side

Cable side

P7

J4

J5

P8

J7

J8

TD+ P1

1:1

J1 TX+

TCT P4

1:1

J2 TX-

TD- P2

1:1

J3 RX+

RD+ P3

1:1

J6 RX-

RCT P5

1:1

RD- P6

1:1

ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
 - 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100 Ω) :
 - 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
 - (P1-P2),(P3-P6) : 350 μ H MIN
6. HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
7. TURNS RATION 100KHz
 - (P1-P2) : (J1-J2) = 1:1 $\pm$ %5
 - (P3-P6) : (J3-J6) = 1:1 $\pm$ %5

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

INCHES	HOLES
.X $\pm$.10	$\varnothing$.X $\pm$.10
.XX $\pm$.020	$\varnothing$.XX $\pm$.015
.XXX $\pm$.015	$\varnothing$.XXX $\pm$.010

DRAWN

AY

4/22/14

CHECKED

NP

4/22/14

APPROVED

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TECH909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P8C
W/ LED1 YELLOW & LED2 GREENSIZE
X

PART NO.

MTJ-88SX1-FSP-PG-LG-M7Y

REV.
A

REF: S00101C

SCALE: NTS

SHEET 2 OF 2

6

5

4

3

2

1