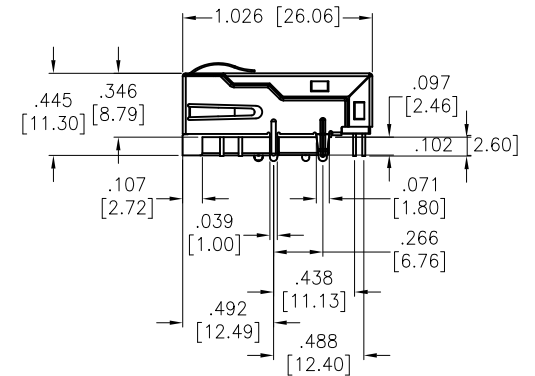
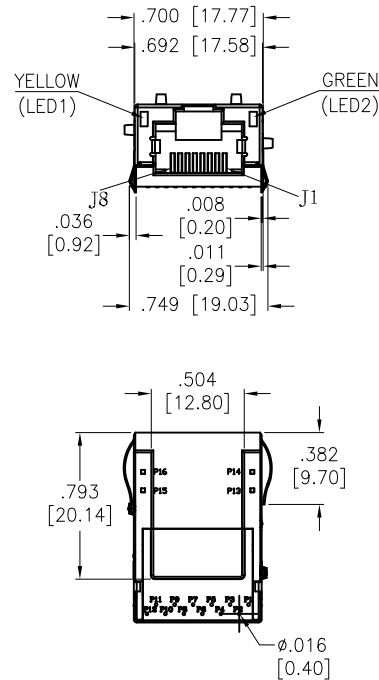
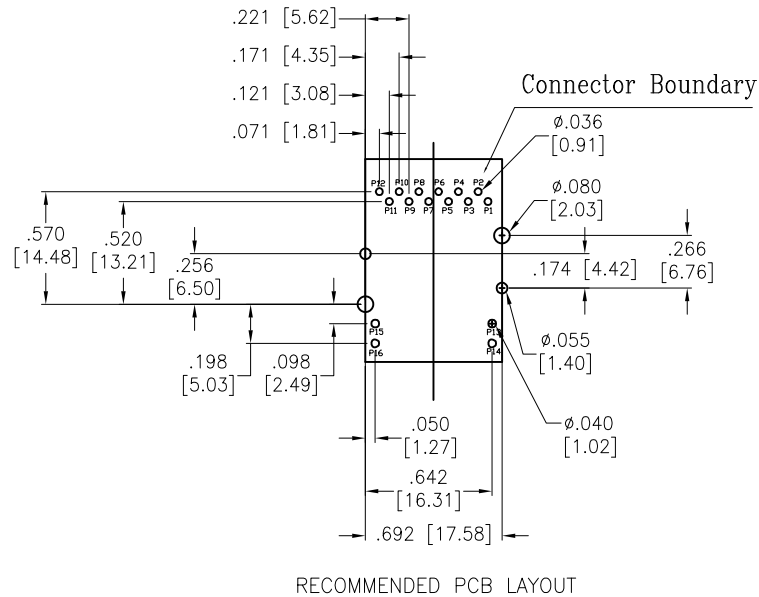


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/19/19	
A		UPDATE DRAWING	11/9/20	OW/JL



SPECIFICATIONS:

Material:

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

Contacts: Phosphor Bronze

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: 500 VDC minimum for 1 minute

Temperature Rating:

Operating temperature: -40°C to +85°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 OW 8/19/19

CHECKED IW 8/19/19

APPROVED



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

SIZE X PART NO. MTJ-88BAX1-FS-PG-LG-M236C-WOT REV. A

REF: S00005C SCALE: NTS SHEET 1 OF 2

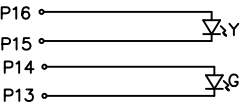
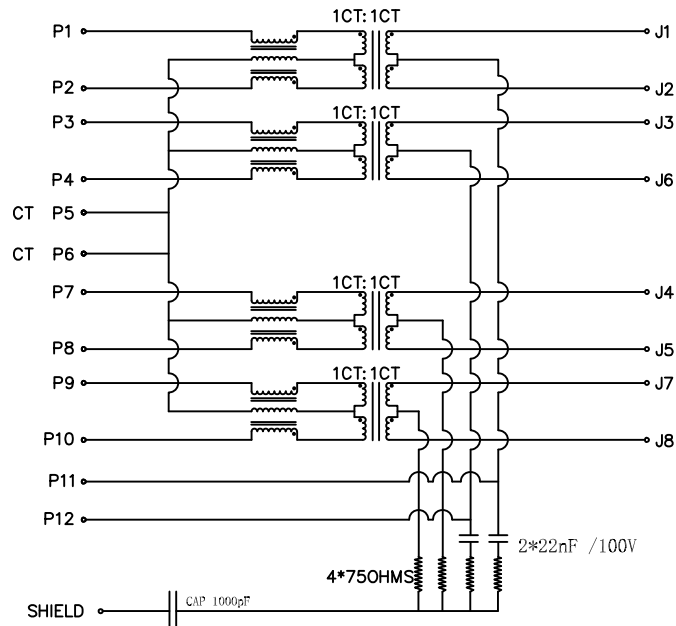
6 5 4 3 2 1

APPROVED: _____

DATE: _____ TITLE: _____

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

Circuit Schematic:



Pin	Green	Yellow
P13	-	-
P14	+	+

Electronical Specifications:

PARAMETER	SPECIFICATIONS		
Turns Ratio	1.00 ± 2%		
Polarity	PER SCHEMATIC		
Insertion Loss	1-50MHz	50-125MHz	125-250MHz
	-0.5 dB MIN	-1.2 dB MIN	-2 dB MIN
Return Loss	1-40 MHz	40-250 MHz	
	-16 dB MIN	-16+10Log10(f/40) 40<f≤250 dB	
Common Mode Rejection Ratio	1-40 MHz	40-100 MHz	100-250 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
Differential Mode to Common Mode Attenuation	1-250 MHz		
	-30dB MIN		
Crosstalk Adjacent Channels	1-100 MHz	100-250 MHz	
	-30dB MIN	-25dB MIN	
Induciance (OCL)	180uH MIN @100KHZ,0.1V WITH 8mA DC BIAS		
Current Carrying CAPABILITY,RJ45 PIN 1-8	720mA MAX. @57VDC CONTINUOUS		
INPUT - OUTPUT ISOLATION	500VDC MINIMUM FOR 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.

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

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

APPROVALS	DATE
DRAWN	OW
CHECKED	IW
APPROVED	

SIZE	PART NO.	REV.
X	MTJ-88BAX1-FS-PG-LG-M236C-WOT	A

REF:	S00005C	SCALE:	NTS	SHEET	2 OF 2
------	---------	--------	-----	-------	--------