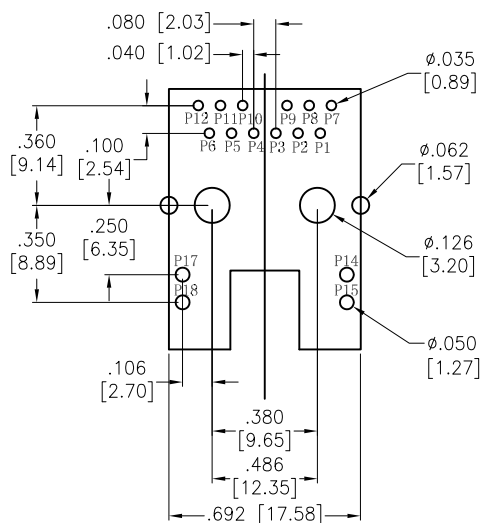


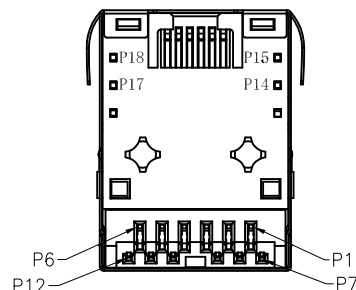
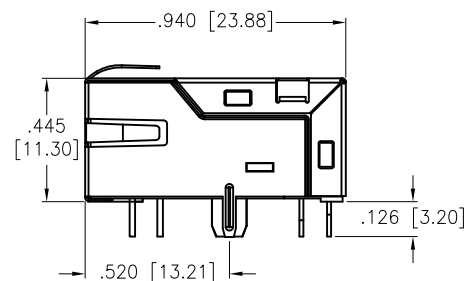
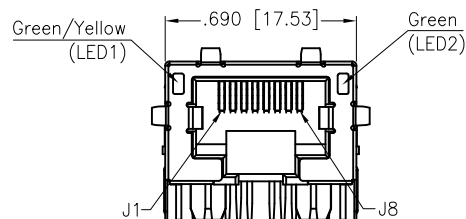
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/13/18	



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator 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: 1500 Vrms for 1 minute

Temperature Rating:

Operating temperature: 0°C to +70°C

Environmental:

Lead free, RoHS compliant.



(2.5G BASE-T)

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	11/13/18
CHECKED	NL	11/13/18
APPROVED		



TITLE
MODULAR JACK, 1 PORT, 8P8C, R/A
W/ LED1 GREEN/YELLOW, LED2 GREEN

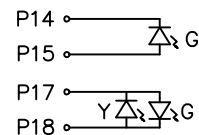
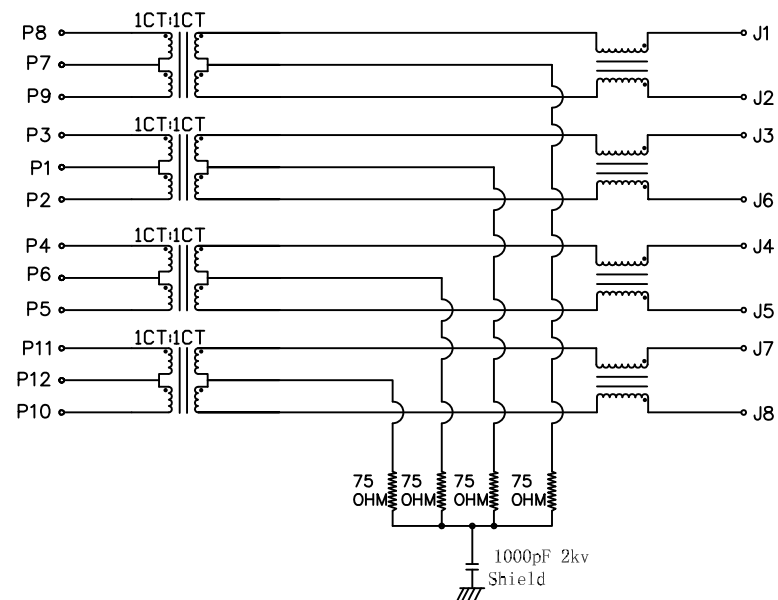
SIZE	PART NO.	REV.
X	MTJ-88NX1-FS-PG-L38-M369C	-
REF: S00005C		SCALE: NTS
		SHEET 1 OF 2

APPROVED: _____
DATE: _____ TITLE: _____

Rev AWO # Description Date Appr

SEE SHT 1 OF 2 FOR REVISION

Circuit Schematic:



Pin	Green	Pin	Green	Yellow
P14	-	P17	+	-
P15	+	P18	-	+

ELECTRICAL SPECIFICATIONS @ 25°C:

PARAMETER	SPECIFICATIONS	
URNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	1 MHZ TO 125 MHZ	
	-1.0 dB MAX	
RETURN LOSS LOAD 100 OHMS	1-40 MHZ	40-200 MHZ
	-20 dB MIN	-20+15LGG ₁₀ (f/40MHz) MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	180uH MIN @100KHz,0.1V	
CROSSTALK, ADJACENT CHANNELS	1-125 MHZ	
	-30 dB TYP	
COMMON MODE REJECTION RATIO	30-200 MHZ	
	-30 dB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

(2.5G BASE-T)

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

APPROVALS

DATE

DRAWN

AY

11/13/18

CHECKED

NL

11/13/18

APPROVED



TITLE
MODULAR JACK, 1 PORT, 8P8C, R/A
W/ LED1 GREEN/YELLOW, LED2 GREEN

SIZE

PART NO.

X

MTJ-88NX1-FS-PG-L38-M369C

REV.

-

REF: S00005C

SCALE: NTS

SHEET 2 OF 2