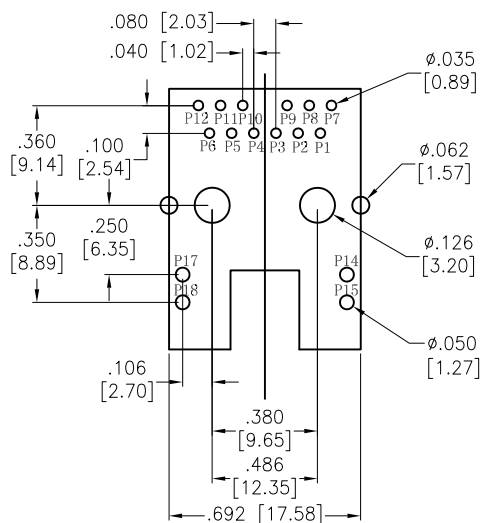


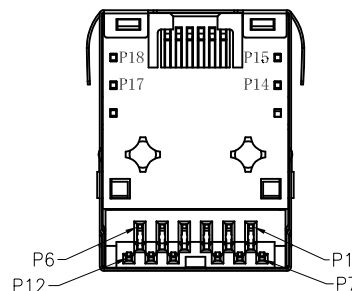
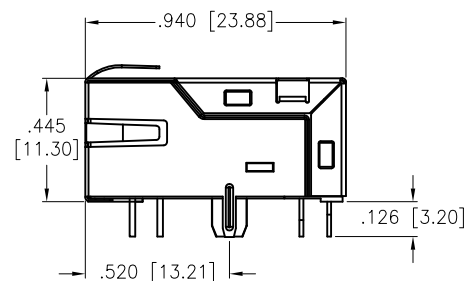
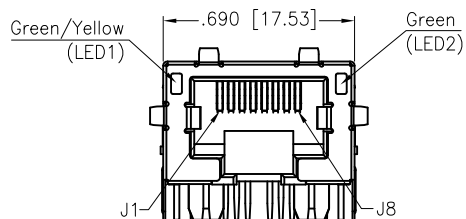
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/12/18	



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: 2250 VDC for 1 minute

Temperature Rating:

Operating temperature: -40°C to +85°C

Environmental:

Lead free, RoHS compliant.



(10G 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	11/12/18
CHECKED	NL	11/12/18
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-M367C-WOT	-
REF: S00005C		SCALE: NTS
		SHEET 1 OF 2

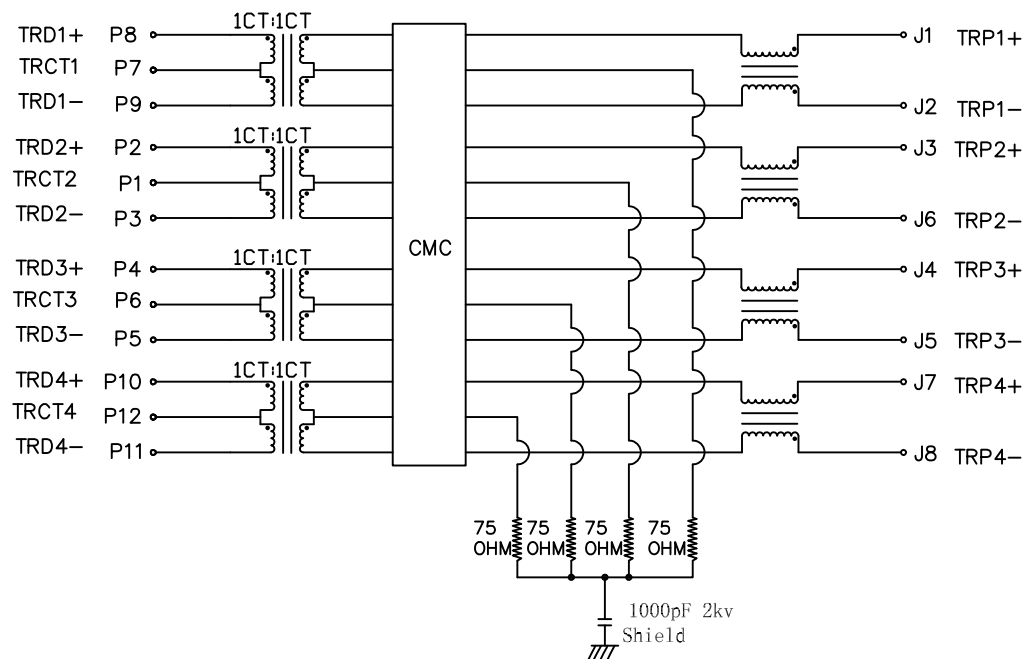
APPROVED: _____

DATE: _____ TITLE: _____

Rev AWO # Description Date Appr

SEE SHT 1 OF 2 FOR REVISION

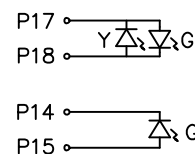
Circuit Schematic:



ELECTRICAL SPECIFICATIONS :

PARAMETER	SPECIFICATIONS		
Turns Ratio	1.00 ± 2%		
Polarity	PER SCHEMATIC		
Insertion Loss (DATA CHANNELS)	100 KHz	1-400 MHz	
	-3.0 dB MAX	-2.0 dB MAX (-1.4dB TYP)	
RETURN LOSS (Z OUT=100 OHM ±1%)	1-40 MHz	40 MHz-400 MHz	400 MHz-500 MHz
	-16 dB MIN	-16+10LOG(f/40)dB	-6+30LOG(f/400)dB
INDUCTANCE (OCL)	160 uH MIN @ 100 KHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1-100 MHz	100-500 MHz	
	-28 dB MIN	-19 dB MIN	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-500 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-250 MHz	250-500 MHz	
	-30 dB MIN	-22 dB MIN	
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHz.



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

(10G BASE-T)

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



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

APPROVALS		DATE
DRAWN	AY	11/12/18
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APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88NX1-FS-PG-L38-M367C-WOT	-
REF: S00005C		SCALE: NTS
		SHEET 2 OF 2