

6 5 4 3 2 1

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

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DRAWN	AY	11/13/18
CHECKED	NL	11/13/18
APPROVED		

ADAM TECH
INTERCONNECTS

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

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

6 5 4 3 2 1

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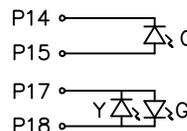
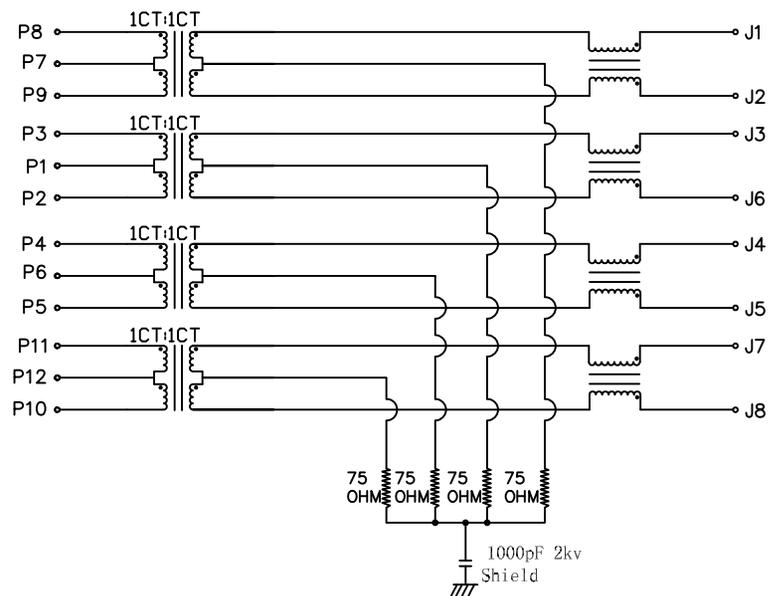
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SEE SHT 1 OF 2 FOR REVISION

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+15LOG 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.

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