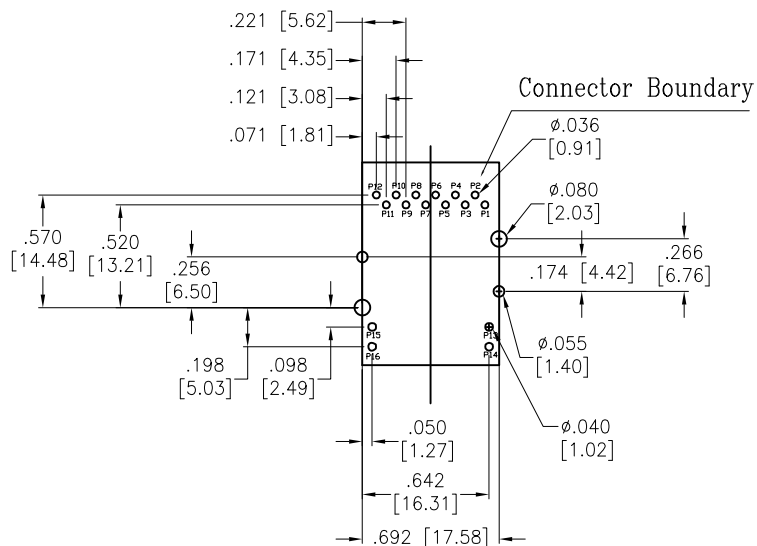
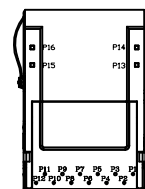
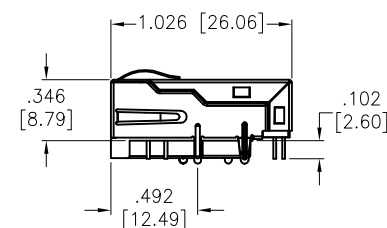
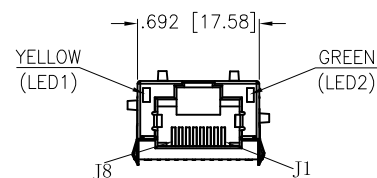


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/20/19	



RECOMMENDED PCB LAYOUT



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: 2250 VDC minimum for 1 minute

Temperature Rating:

Operating temperature: -40°C to +85°C

Agency Certifications:

UL Recognized 

Environmental:

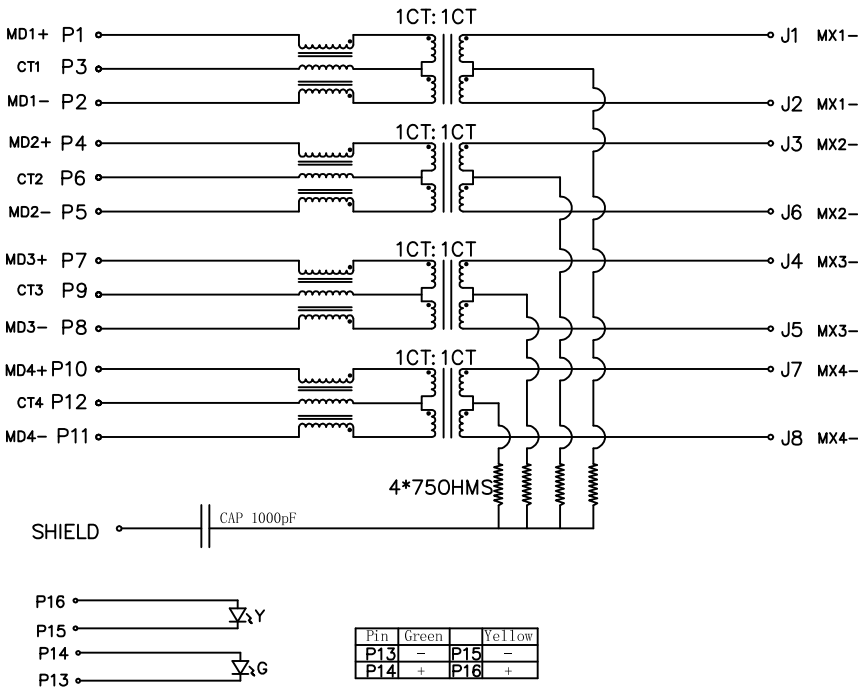
Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED INCHES HOLES .X ± .10 ØX ± .10 .XX ± .020 Ø.XX ± .015 .XXX ± .015 Ø.XXX ± .010		ADAM TECH INTERCONNECTS 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710	
APPROVALS		TITLE	
DRAWN	OW	MODULAR TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED W/ LED1 YELLOW, LED2 GREEN, 5G BASE-T	
CHECKED	IW	SIZE PART NO. REV.	
APPROVED		X MTJ-88BAX1-FS-PG-LG-M383C-WOT -	
		REF: S00005C	SCALE: NTS
		SHEET 1 OF 2	

APPROVED: _____
DATE: _____ TITLE: _____

Circuit Schematic:



Electronical Specifications:

PARAMETER	SPECIFICATIONS		
TURN'S 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		
INDUCTANCE (OCL)	120uH MIN @100KHZ,0.1V 8mA		
INPUT - OUTPUT ISOLATION	2250 VDC 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

APPROVALS

DATE

DRAWN	OW	8/20/19
CHECKED	IW	8/20/19
APPROVED		

ADAM
TECH
INTERCONNECTS

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

TITLE
MODULAR TELEPHONE JACK, 1 PORT, 8P8C, FULL SHIELDED
W/ LED1 YELLOW, LED2 GREEN, 5G BASE-T

SIZE X	PART NO. MTJ-88BAX1-FS-PG-LG-M383C-WOT	REV. -
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REF: S00005C SCALE: NTS SHEET 2 OF 2