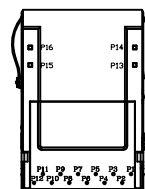
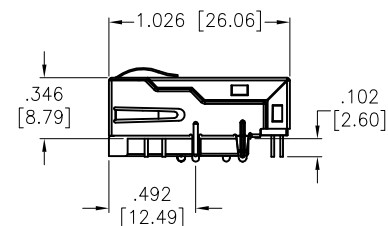
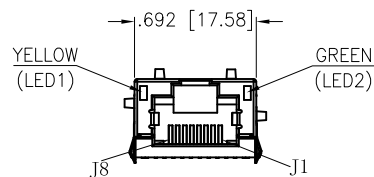
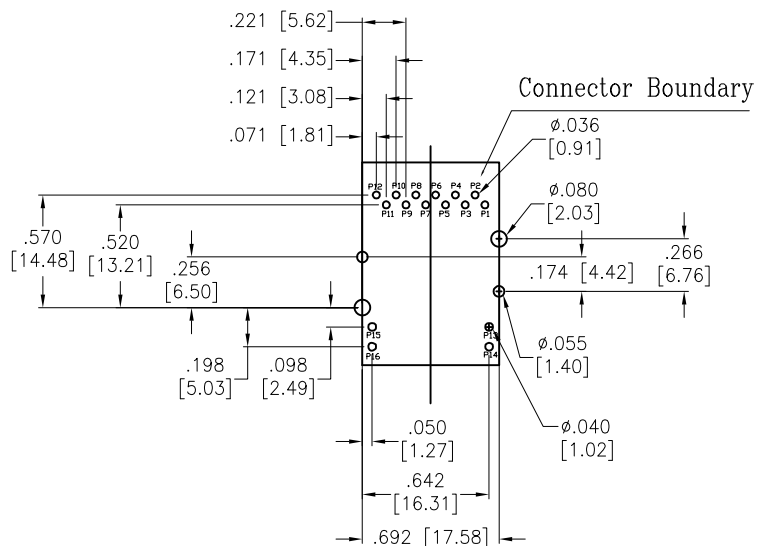


APPROVED: _____
DATE: _____ TITLE: _____

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



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	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		



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. -	
REF: S00005C	SCALE: NTS	SHEET 1 OF 2	

654321

RevAWO #DescriptionDateAppr

SEE SHT 1 OF 2 FOR REVISION

APPROVED: _____

DATE: _____ TITLE: _____

Circuit Schematic:

MD1+ P1

CT1 P3

MD1- P2

MD2+ P4

CT2 P6

MD2- P5

MD3+ P7

CT3 P9

MD3- P8

MD4+ P10

CT4 P12

MD4- P11

1CT:1CT

1CT:1CT

1CT:1CT

1CT:1CT

4*75OHMS

SHIELD

CAP 1000pF

J1 MX1-

J2 MX1-

J3 MX2-

J6 MX2-

J4 MX3-

J5 MX3-

J7 MX4-

J8 MX4-

P16

P15

P14

P13

Y

G

Pin	Green	Yellow	
P13	-	P15	-
P14	+	P16	+

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		
Inductance (OCL)	120uH MIN @100KHZ,0.1V 8mA		
Input - Output Isolation	2250 VDC MINIMUM FOR 60 SECONDS		

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

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CHECKED

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8/20/19

APPROVED

TITLE

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

SIZE

PART NO.

REV.

X

MTJ-88BAX1-FS-PG-LG-M383C-WOT

-

REF: S00005C

SCALE: NTS

SHEET 2 OF 2

654321