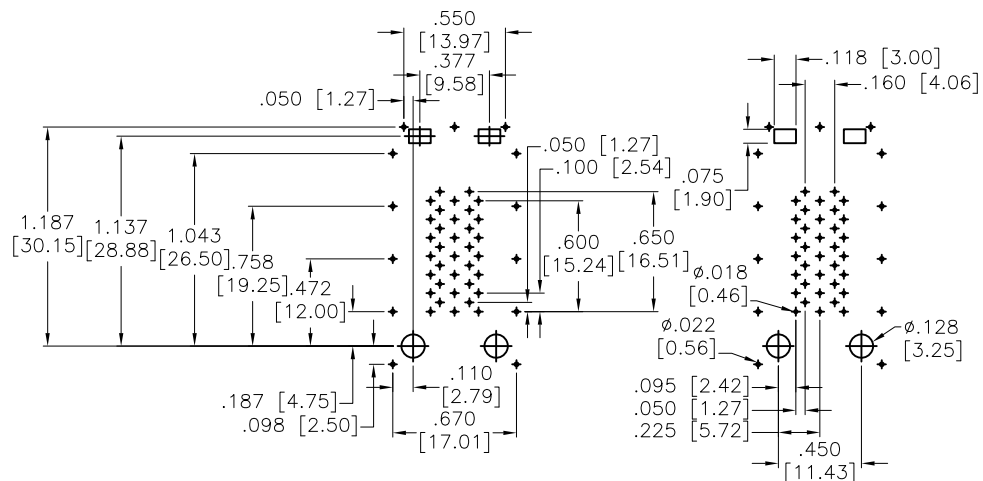


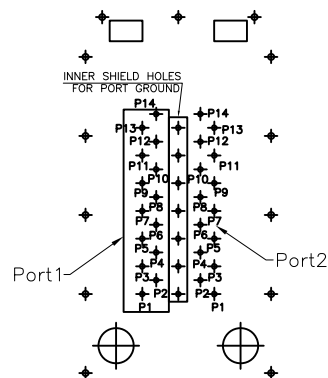
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/18/23	



RECOMMENDED PCB LAYOUT



Pin OUT Information Component Side View

SPECIFICATIONS:

Material:

Insulator: Thermoplastic, rated UL 94V-0

Insulator color: Black

Module Case: Hi-Temp Thermoplastic rated UL 94V-0

Contacts: Phosphor Bronze

Solder Tail Terminal: Brass, Tin Plated

Shell: Stainless Steel, 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:

Insulation resistance: 500 Mohms min

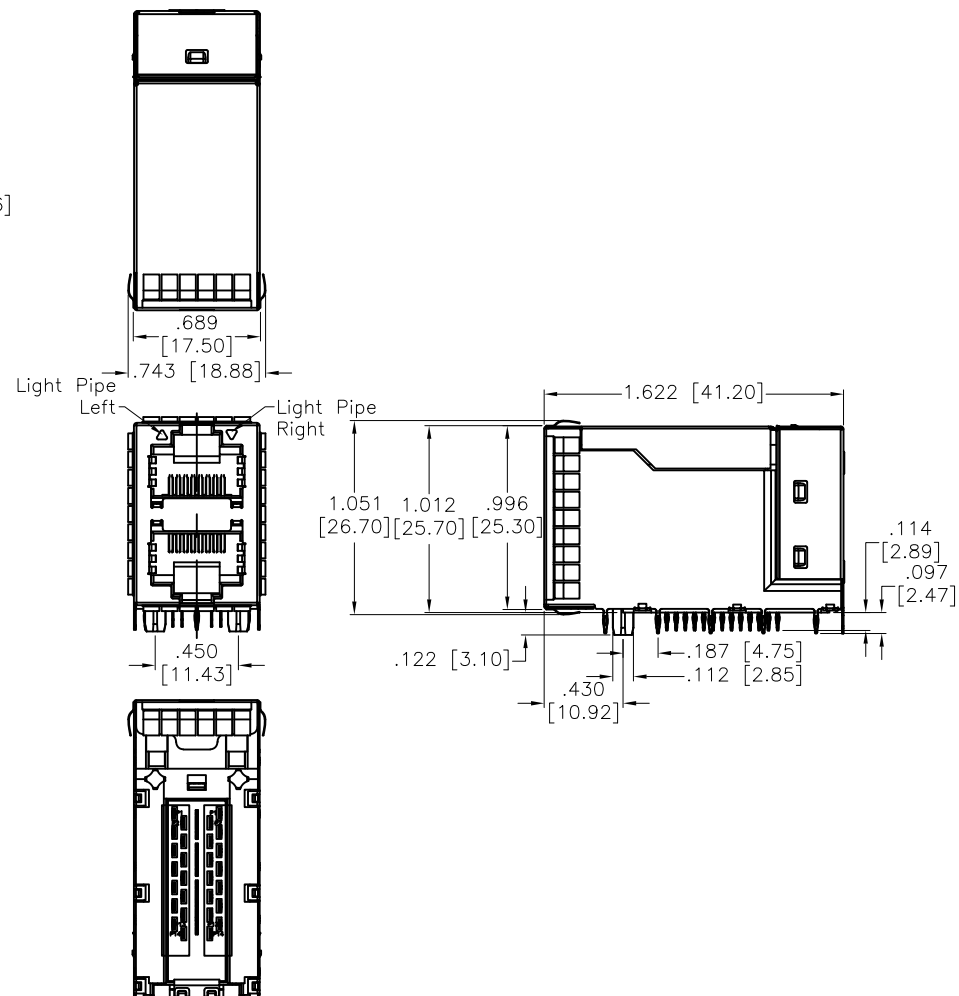
Dielectric withstanding voltage: 1,500VAC or 2250VDC

Temperature Rating:

Operating temperature: -40°C to +85°C

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	ØXX ± .015
.XXX ± .015	ØXXX ± .010

DRAWN	LH	4/18/23
CHECKED	TW	4/18/23
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH



TITLE MODULAR TELEPHONE JACK, GANGED, 8P8C, 2 PORTS, W/ LIGHT PIPE

SIZE X	PART NO. MTJG-2-88JX1-FS-PG-LTP-M464Y-WOT	REV. -
REF: S00101C	SCALE: NTS	SHEET 1 OF 2

6

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APPROVED: _____

DATE: _____ TITLE: _____

Rev

AWO #

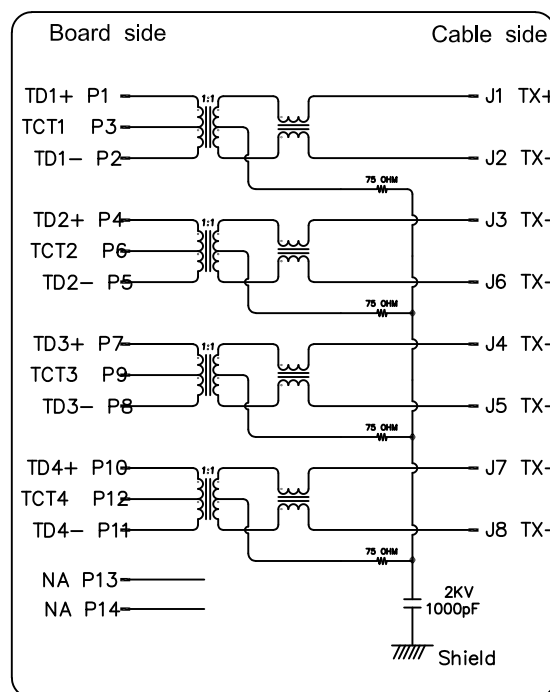
Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION

SCHEMATIC FOR RJ45:



ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
 - 1-400 MHz -3.0dB MAX
2. RETURN LOSS(LOAD 100Ω) :
 - 1-100 MHz -22dB MIN
 - 100-500 MHz -22+20.75LOG(F/100)dB MIN
3. CMRR
 - 1-500 MHz -20dB MIN
4. DCMR
 - 1-500 MHz <-45+(F/35) dB MIN
7. CROSS TALK
 - 1-500 MHz -25dB MIN
8. INDUCTANCE @ 100KHz, 0.1V
 - (P1-P2),(P4-P5),(P7-P8),(P10-P11) : 180 uH MIN
9. HI-POT TEST
 - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S

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

DRAWN LH 4/18/23

CHECKED TW 4/18/23

APPROVED

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PERMISSION FROM ADAM TECHTITLE
MODULAR TELEPHONE JACK, GANGED, 8P8C,
2 PORTS, W/ LIGHT PIPE

SIZE X PART NO. MTJG-2-88JX1-FS-PG-LTP-M464Y-WOT REV. -

REF: S00101C SCALE: NTS SHEET 2 OF 2

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