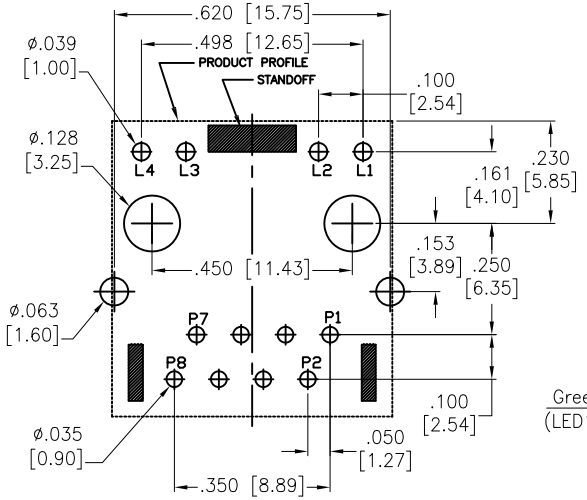
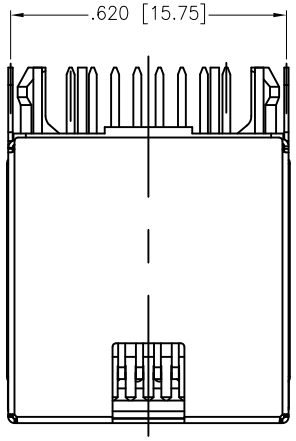
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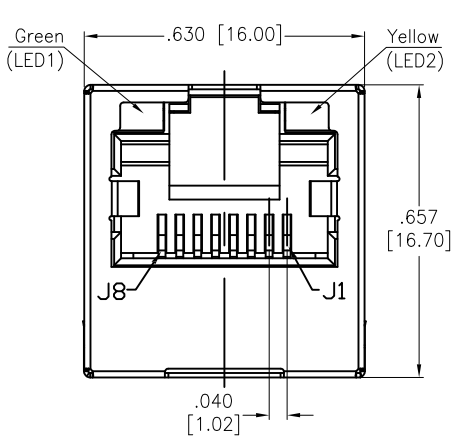
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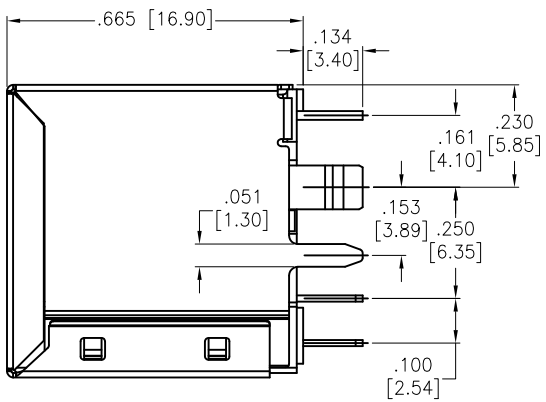
Rev	AWO #	Description	Date	Appr
-		RELEASED	11/12/13	
A	T233	UPDATE DRAWING	8/13/18	AY/NP

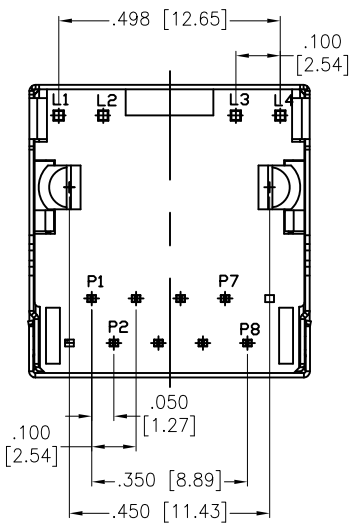


RECOMMENDED PCB LAYOUT









SPECIFICATIONS:

Material:

Insulator: Hi–temp thermoplastic, rated UL 94V–0

Insulator color: Black

Cover: Nylon, rated UL 94V–0, color: Black

Contacts: Copper Alloy

Shell: Brass, Nickel plated

Module Terminal: Phosphor Bronze, O.D: 0.4mm, Tin 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:

Contact resistance: 30 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 1500 VAC or 2250 VDC for 1 minute

Temperature Rating:

Operating temperature: –40°C to +85°C

Environmental:

Lead free, RoHS compliant.

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	AY	11/12/13
CHECKED	AH	11/12/13
APPROVED		

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

TITLE: MODULAR TELEPHONE JACK, 8P8C
TOP ENTRY, PCB, FULL SHIELD, HI-TEMP

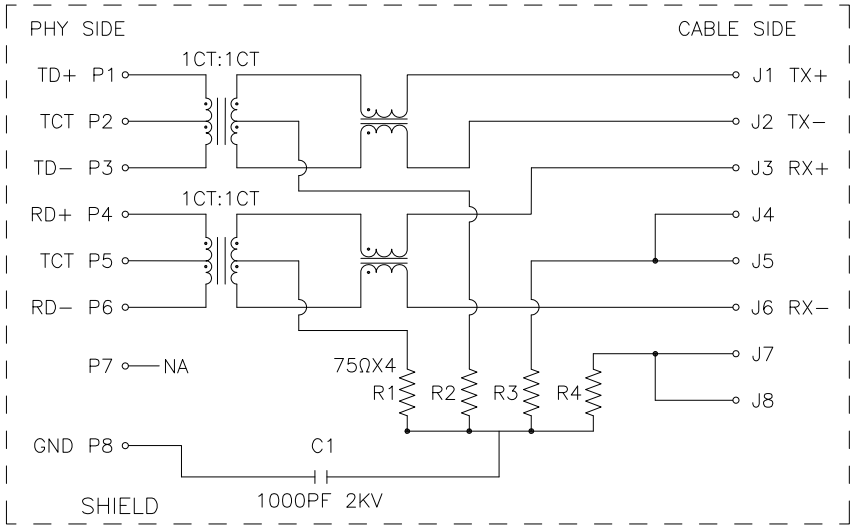
SIZE	PART NO.	REV.
X	MTJ-88FX1-FSN-LH-M5D1-HT	A

REF: S00167T-1 | SCALE: NTS | SHEET 1 OF 2

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 2 FOR REVISION				

APPROVED: _____

DATE: _____ TITLE: _____



ELECTRICAL CHARACTERISTICS:

Test Temperature:(25±5°C)

INSULATION RESISTANCE:500 MEGOHMS MINMMUM.

CONTACT RESISTANCE:30 MILLIOHMS MAXMUM

TRANSMITTER FILTER & RECEIVER FILTER

TYPE:BALANCE LOW PASS 100 OHMS IMPEDANCE

INSERTION LOSS

−1.0dB MAXIMUM At 1MHZ To 100MHZ

RETURN LOSS

−18dB MINIMUM At 1MHz To 30MHz LOAD 100 OHMS

−16dB MINIMUM At 30MHz To 60MHz LOAD 100 OHMS

−12dB MINIMUM At 60MHz To 80MHz LOAD 100 OHMS

COMMON MODE REJECTION:

−30dB MINIMUM At 1MHz To 100MHz

CROSS TALK:

−30dB MINIMUM At 1MHz To 100MHz

INDUCTANCE@100KHz,100mV,8mA,Dc Bias

INPUT:(J1−J2);(J3−J6):350uH MINIMUM

HI−POT:

INPUT TO OUTPUT:1500VAC FOR 60 Seconds 1mA

OR 2250VDC FOR 60 Seconds 1mA

ENVIRONMENT CHARACTERISTICS:

OPERATION TEMPERATURE:−40°C~85°C

STORAGE TEMPERATURE:−40°C~85°C



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	11/12/13
CHECKED	AH	11/12/13
APPROVED		

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TITLE: MODULAR TELEPHONE JACK, 8P8C
TOP ENTRY, PCB, FULL SHIELD, HI-TEMP

SIZE	PART NO.	REV.
X	MTJ-88FX1-FSN-LH-M5D1-HT	A

REF: S00167T-1 | SCALE: NTS | SHEET 2 OF 2