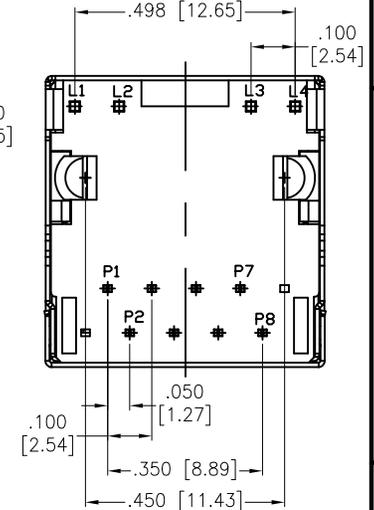
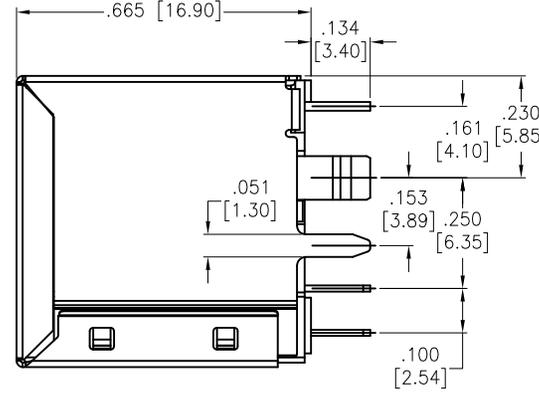
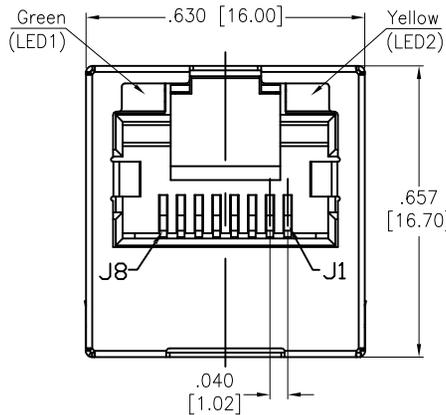
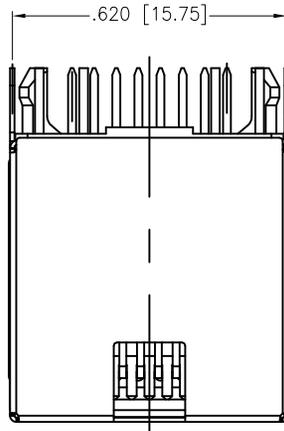
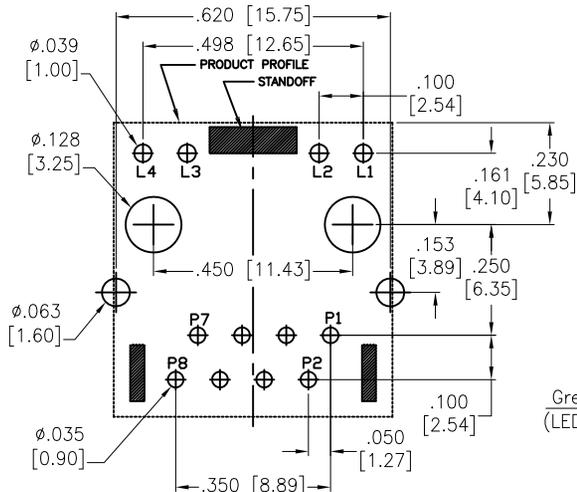


APPROVED: _____
 DATE: _____ TITLE: _____

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



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.



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



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

APPROVALS		DATE
DRAWN	AY	11/12/13
CHECKED	AH	11/12/13
APPROVED		

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

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

6 5 4 3 2 1

APPROVED: _____
 DATE: _____ TITLE: _____

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

PHY SIDE CABLE SIDE

TD+ P1 1CT:1CT
 TCT P2
 TD- P3
 RD+ P4 1CT:1CT
 TCT P5
 RD- P6
 P7 NA
 GND P8

J1 TX+
 J2 TX-
 J3 RX+
 J4
 J5
 J6 RX-
 J7
 J8

75ΩX4
 R1 R2 R3 R4
 C1 1000PF 2KV
 SHIELD

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

Green Yellow
 L3 L4 L1 L2
 LED-L LED-R

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		

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

SIZE X	PART NO. MTJ-88FX1-FSN-LH-M5D1-HT	REV. A
REF: S00167T-1	SCALE: NTS	SHEET 2 OF 2

6 5 4 3 2 1