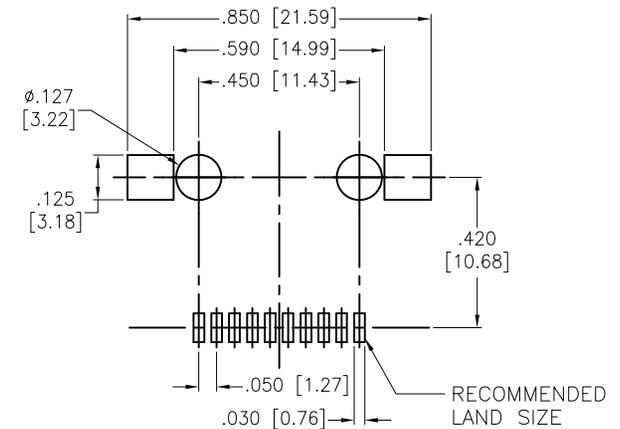
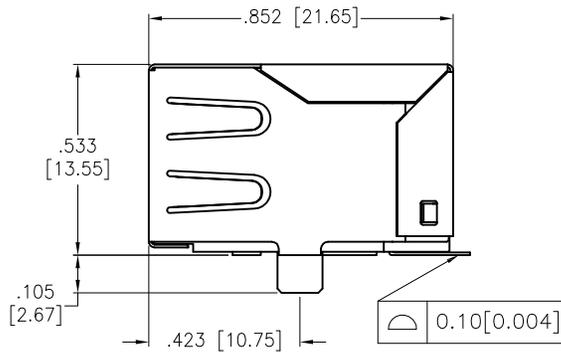
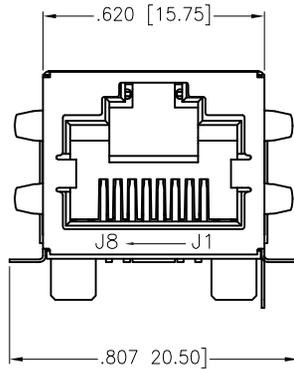
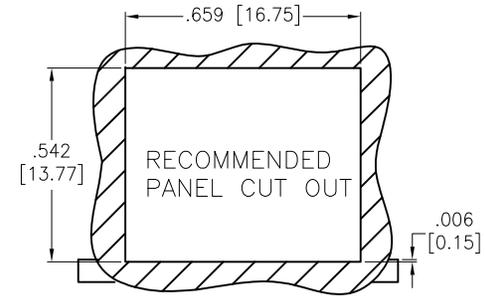
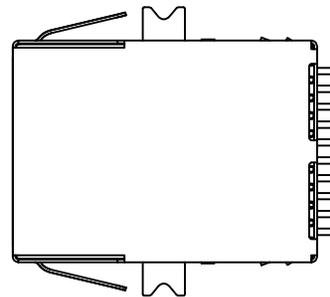
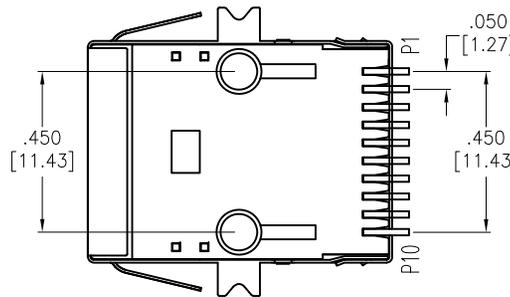


APPROVED: _____
 DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/14/14	



X	PLATING
0	15 µin Gold
1	30 µin Gold
2	50 µin Gold
6	6 µin Gold



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Phosphor Bronze
 Shield: Stainless Steel, Pre-Soldering
 Contact Plating:
 Gold Flash over Nickel underplate on contact area,
 Tin over Copper underplate on tails
 (See chart for thickness).

Electrical:
 Insulation resistance: 500 Mohms min
 Dielectric withstanding voltage: 1,000 VAC for 1 minut
 Temperature Rating:
 Operating temperature: 0°C to +70°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
APPROVALS		DATE	
DRAWN	HR	3/14/14	
CHECKED	SL	3/14/14	
APPROVED			



TITLE MODULAR JACK GANGED, 1 PORT, 8P8C FULL METAL SHIELD, SURFACE MOUNT			
SIZE X	PART NO. MTJ-88TUX1-FS-SMT-M107	REV. -	
REF: S00101C	SCALE: NTS	SHEET 1 OF 2	

6

5

4

3

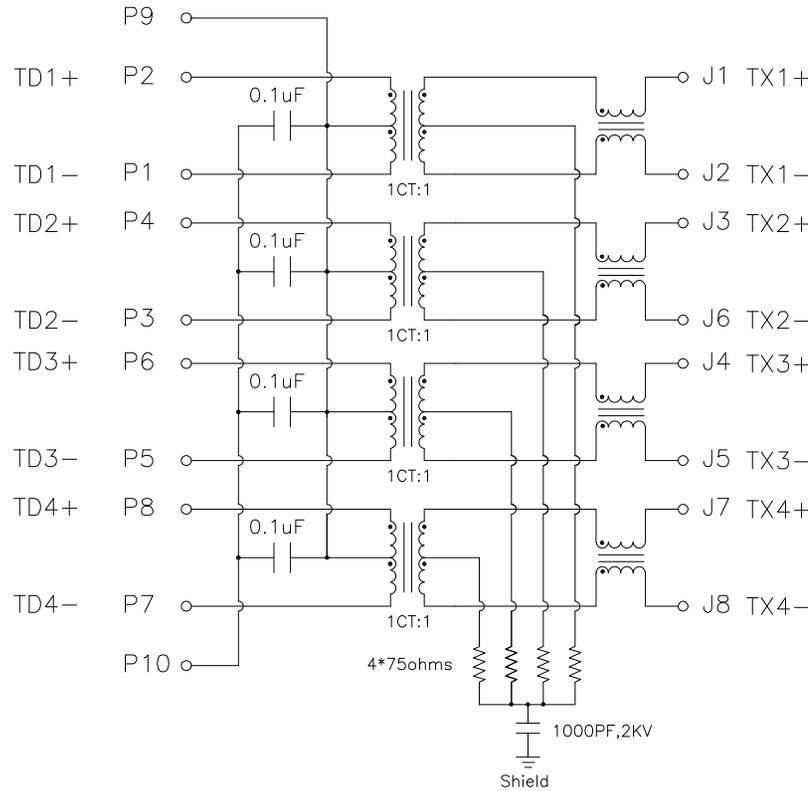
2

1

APPROVED: _____
 DATE: _____ TITLE: _____

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

PCB SIDE TO PHY



CABLE SIDE

SPECIFICATIONS:

- INSERTION LOSS:**
-1~100MHz, -1.0dB Max
- RETURN LOSS (LOAD 100Ω):**
-1~30MHz, -18dB Min
-30~60MHz, -16dB Min
-60~100MHz, -10dB Min
- COMMON MODE REJECTION**
-1~100MHz, -30dB Min
- CROSS TALK:**
-1~100MHz, -30dB Min
- INDUCTANCE @ 100Khz, 0.1V, 8mA DC BIAS**
-(P1,P2),(P3,P4),(P5,P6),(P7,P8): 350uH Min
- HI-POT TEST:**
-PCB SIDE TO CABLE SIDE: 1500VAC 60s or 2250VDC 60s
- TURNS RATION 100KHz:**
-(P1,P2) : (J2,J1)=1:1±5%;
-(P3,P4) : (J6,J3)=1:1±5%;
-(P5,P6) : (J5,J4)=1:1±5%;
-(P7,P8) : (J8,J7)=1:1±5%;

D

D

C

C

B

B

A

A

6

5

4

3

2

1

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE INCHES [MM]
 TOLERANCES: EXCEPT AS NOTED

INCHES		HOLES	
.X	± .10	∅.X	±.10
.XX	± .020	∅.XX	±.015
.XXX	± .015	∅.XXX	±.010

APPROVALS		DATE
DRAWN	HR	3/14/14
CHECKED	SL	3/14/14
APPROVED		



TITLE		
MODULAR JACK GANGED, 1 PORT, 8P8C FULL METAL SHIELD, SURFACE MOUNT		
SIZE	PART NO.	REV.
X	MTJ-88TUX1-FS-SMT-M107	-
REF: S00101C	SCALE: NTS	SHEET 2 OF 2