

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/2/13	

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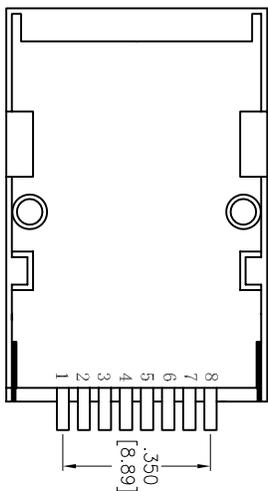
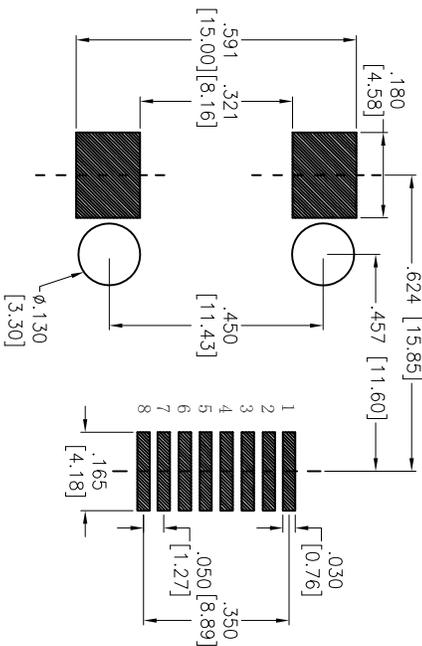
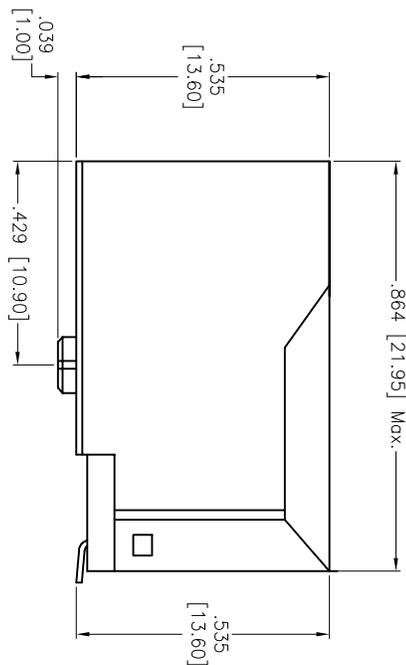
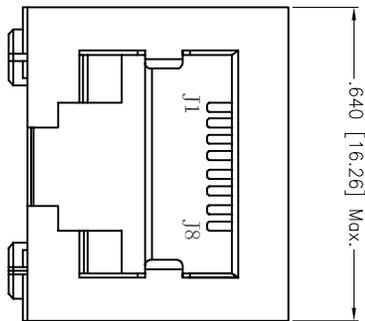
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APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_



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



TITLE: MODULAR JACK GANGED, 1 PORT, 8P8C  
 FULL SHIELD, SURFACE MOUNT TYPE

**SPECIFICATIONS:**  
 Material: Insulator: Hi-Temp Thermoplastic, rated UL 94V-0  
 Insulator color: Black  
 Contacts: Copper Alloy  
 Shield: Copper Alloy, Nickel plated  
 Contact Plating:  
 Gold Flash over Nickel underplate on contact area,  
 Tin over Copper underplate on tails  
 (See chart for thickness).  
 Electrical:  
 Operating voltage: 150 VAC max  
 Current rating: 1.5 Amps max  
 Contact Resistance: 20 mohms max. initial  
 Insulation resistance: 500 Mohms min @ 500 VDC  
 Dielectric withstanding voltage: 1,500 Vrms 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: .X ±.10 Ø.X  
 .XX ±.020 Ø.XXX  
 .XXX ±.015 Ø.XXX  
 .XXX ±.015  
 HOLES: ±.10  
 DATE: 4/2/13

APPROVALS	DATE
DRAWN AY	4/2/13
CHECKED YC	4/2/13
APPROVED	

SIZE X	PART NO. MT-J-88TX1-FS-M4T-SMT	REV.
REF: S0043C	SCALE: NTS	SHEET 1 OF 2



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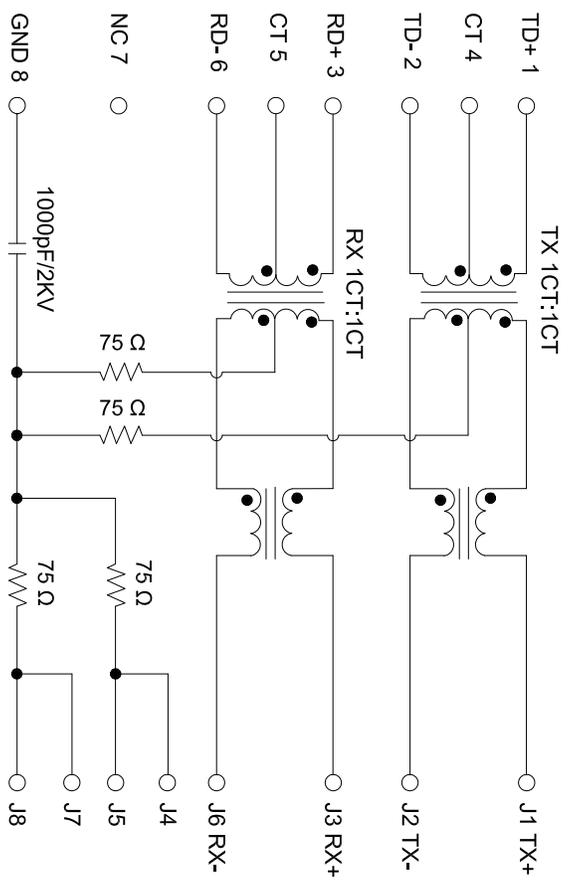
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Rev	AWO #	Description	Date	Appr
		SEE SHIT 1 OF 2 FOR REVISION		

APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

PCB SIDE TO PHY



CABLE SIDE

Electrical Specification @25°C

1. Turns Ratio ( $\pm 2\%$ ):  
TX=1CT:1 RX=1CT:1
2. OCL:  
350uH Min. @100KHz, 100mV, 8mADC
3. Insertion Loss:  
1-65MHz: -1.0dB Max.
4. Return Loss (dB Min. @100Ω±15Ω)  
1-10MHz: -18  
30MHz: -14  
60-100MHz: -10

5. Crosstalk(dB Min.)  
1-60MHz: -35  
60-100MHz: -30
6. Common Mode Rejection:  
1-130MHz: -20dB Min.
7. Hi-pot: 1500Vrms @60Hz 1 Min
8. Operation Temperature: 0°C~70°C



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FULL SHIELD, SURFACE MOUNT TYPE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM] TOLERANCES: EXCEPT AS NOTED	
INCHES	HOLES
.X ±.10	Ø.X ±.10
.XX ±.020	Ø.XXX ±.015
.XXX ±.015	Ø.XXX ±.010
APPROVALS	
DRAWN AY	DATE 4/2/13
CHECKED YC	DATE 4/2/13
APPROVED	

SIZE X	PART NO. MTJ-88TX1-FS-M4T-SMT	REV. -
REF: S00043C	SCALE: NTS	SHEET 2 OF 2