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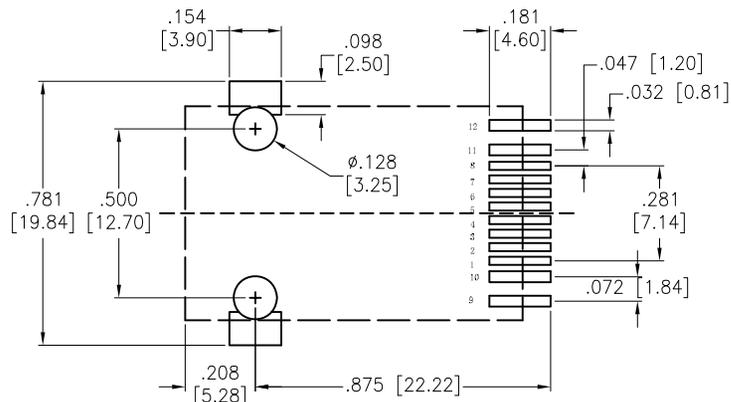
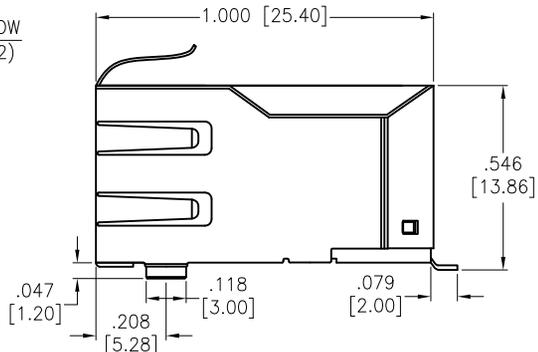
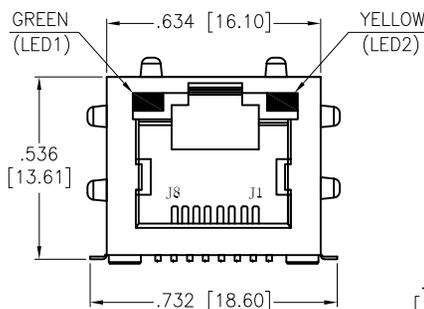
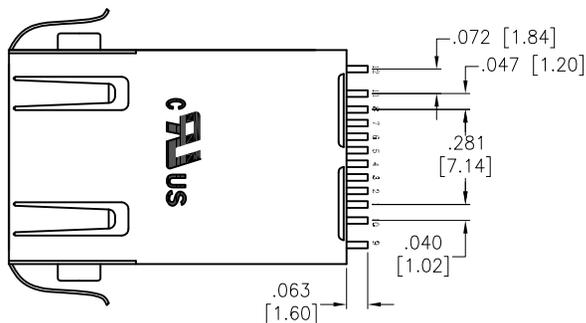
APPROVED: _____

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Rev	AWO #	Description	Date	Appr
-		RELEASED	5/12/15	

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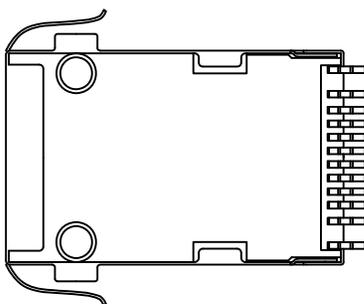


RECOMMENDED PCB LAYOUT

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

B

B



SPECIFICATIONS:

Material:
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0
 Insulator color: Black
 Contacts: Copper Alloy
 Shield: Stainless Steel
 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: 1000 VAC for 1 minut
 Temperature Rating:

Operating temperature: -40°C to +85°C
 Environmental:

Lead free, RoHS compliant.



A

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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



TITLE
 MODULAR JACK GANGED, 1 PORT, 8P8C
 W/ LED1 GREEN, LED2 YELLOW

APPROVALS		DATE
DRAWN	HR	5/12/15
CHECKED	TW	5/12/15
APPROVED		

SIZE	PART NO.	REV.
X	MTJ-88SX1-FS-PG-LH-M243T-SMT	-
REF:	S00043C	SCALE: NTS SHEET 1 OF 2

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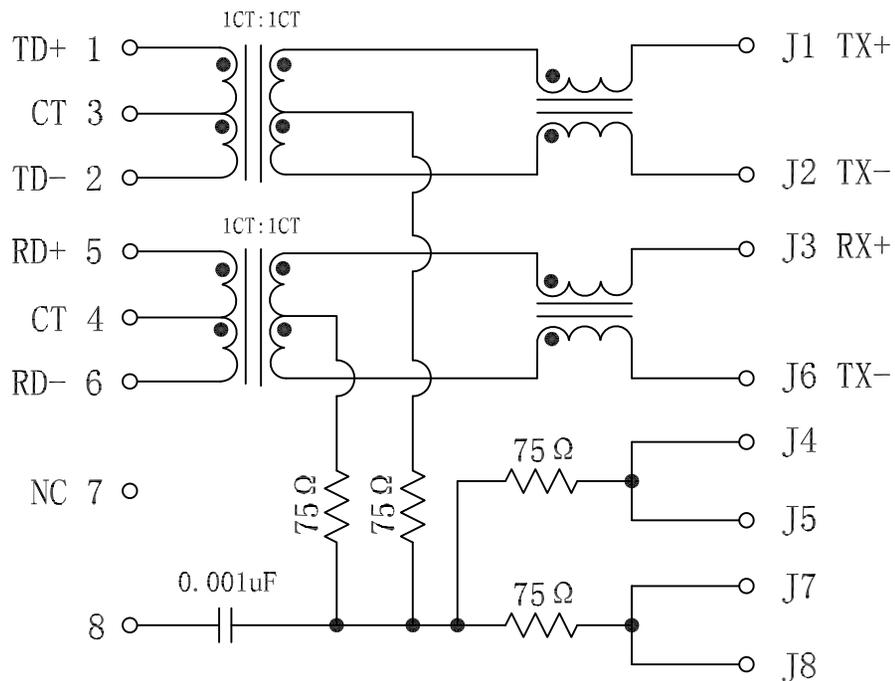
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DATE: _____ TITLE: _____

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

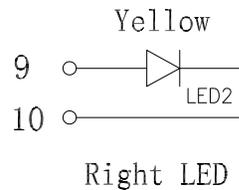
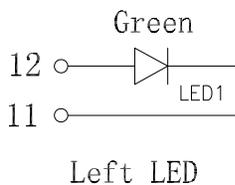
PCB SIDE TO PHY



CABLE

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio ($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- DCR: 1.2 Ω MAX
- Insertion Loss:
-1.0dB MAX @ 1-100MHz
- Return Loss:
-18dB MIN @ 1-30MHz
-15dB MIN @ 30-60MHz
-12dB MIN @ 60-100MHz
- Cross talk:
-40dB MIN @ 1-30MHz
-35dB MIN @ 30-60MHz
-30dB MIN @ 60-100MHz
- Common Mode Rejection:
-30dB MIN @ 1-50MHz
-20dB MIN @ 50-100MHz
- Hi-pot Test: 1500Vrms



Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
Green	570	1.8~2.4V	10 μ A max
Yellow	590	1.8~2.4V	10 μ A max

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

.X \pm .10	\varnothing X \pm .10
.XX \pm .020	\varnothing .XX \pm .015
.XXX \pm .015	\varnothing .XXX \pm .010



APPROVALS		DATE
DRAWN	HR	5/12/15
CHECKED	TW	5/12/15
APPROVED		

TITLE MODULAR JACK GANGED, 1 PORT, 8P8C, W/ LED1 GREEN, LED2 YELLOW		
SIZE X	PART NO. MTJ-88SX1-FS-PG-LH-M243T-SMT	REV. -
REF: S00043C	SCALE: NTS	SHEET 2 OF 2

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