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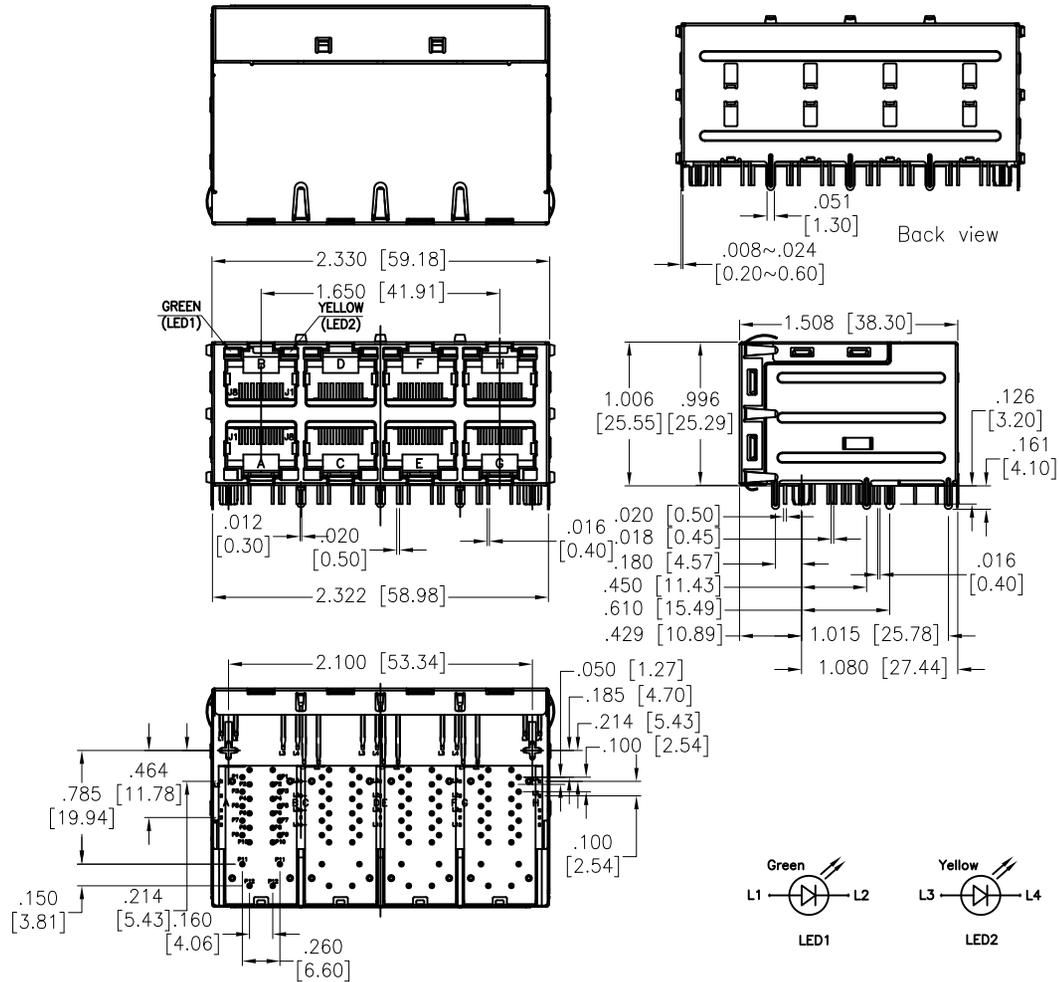
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APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	3/22/24	



SPECIFICATIONS:

- Material:
- Housing: Hi-Temp Thermoplastic, rated UL 94V-0
- Housing color: Black
- Module case: Phenolic (PF)
- Cover: PBT, rated UL 94V-0, Color: Black
- Insert: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black
- Spacer: Hi-Temp Thermoplastic, rated UL 94V-0, Color: Black
- Contacts: Phosphor Bronze
- Solder tail terminal: Brass, Tin plated
- Shield: Stainless, Nickel 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:
- Insulation resistance: 500 Mohms min
- Dielectric withstanding voltage: 1500VAC or 2250VDC
- 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

DRAWN	WX	3/22/24
CHECKED	RC	3/22/24
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

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

SIZE	PART NO.	REV.
X	MTJG-8-88JX1-FS-PG-LH-M295YA-HT-WOT	-

REF: S00101C SCALE: NTS SHEET 1 OF 3

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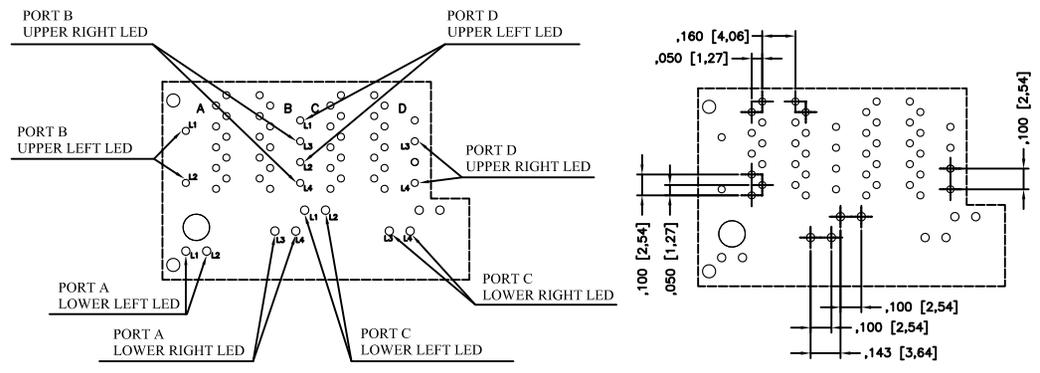
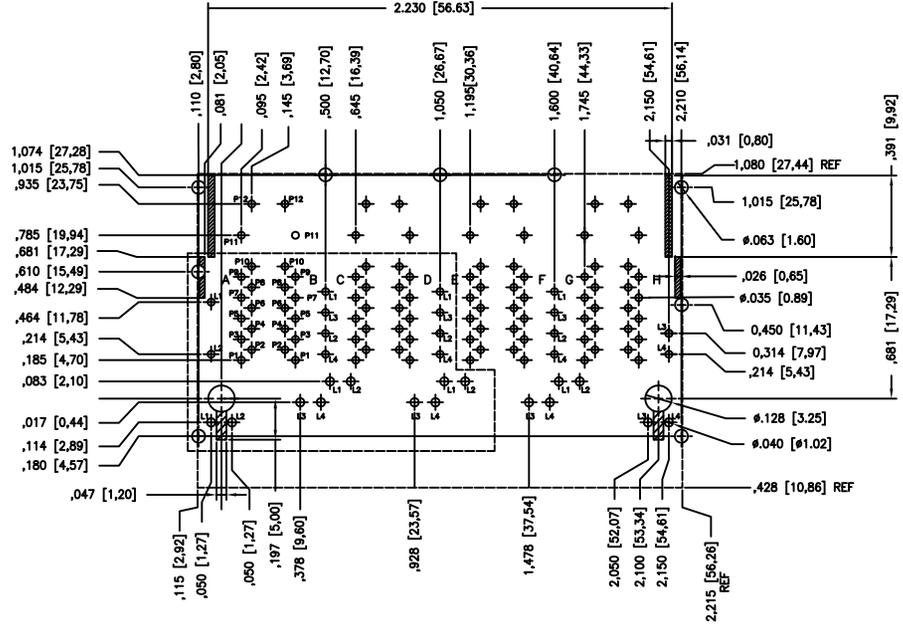
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APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



RECOMMENDED PCB LAYOUT

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

DRAWN	WX	3/22/24
CHECKED	RC	3/22/24
APPROVED		

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TITLE: MODULAR JACK GANGED, 8 PORT, 8P8C, W/ LED1 GREEN LED2 YELLOW, 1GBASE-T

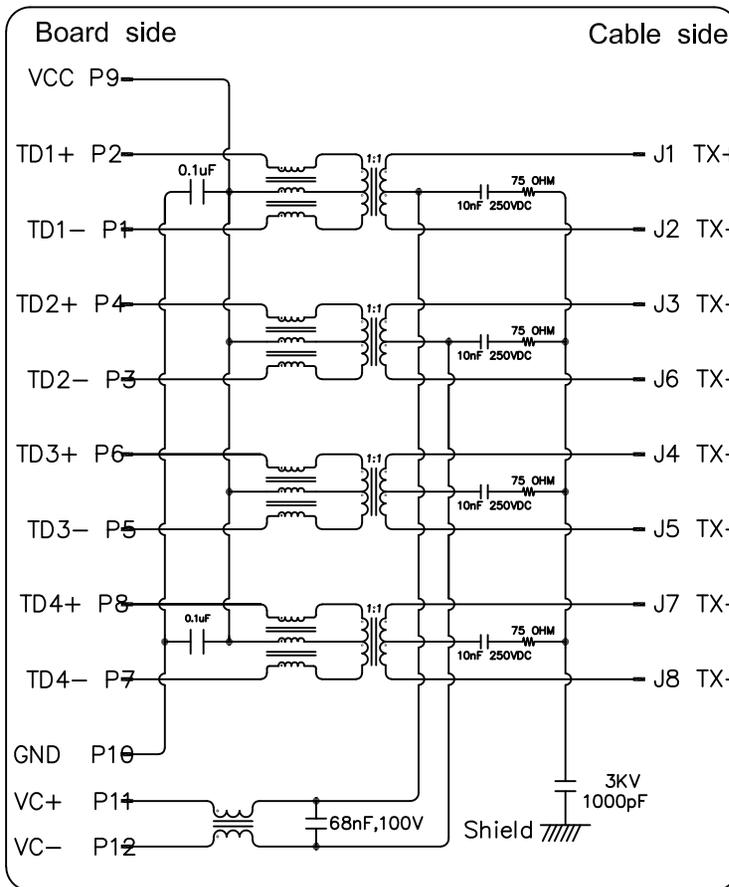
SIZE	PART NO.	REV.
X	MTJG-8-88JX1-FS-PG-LH-M295YA-HT-WOT	-

REF: S00005C SCALE: NTS SHEET 2 OF 3

APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



ELECTRICAL CHARACTERISTICS :

- 1. INSERTION LOSS :**
 - 1~100 MHz -1.0dB MAX.
- 2. RETURN LOSS(LOAD 100Ω) :**
 - 1~30 MHz -21dB MIN
 - 30~60 MHz -19dB MIN
 - 60~80 MHz -15dB MIN
 - 80~100 MHz -13dB MIN
- 3. COMMON MODE REJECTION**
 - 1~100 MHz -30dB MIN
- 4. CROSS TALK**
 - 1~100 MHz -30dB MIN
- 5. OCL @ 100KHz, 0.1V, 8mA DC BIAS (0°C~70°C): 350 uH MIN**
- 6. DCR**
 - (J1~J2),(J3~J6),(J4~J5),(J7~J8) : 1.2Ω MAX
- 7. HI-POT TEST**
 - (P1~P10) TO (J1~J8) : 1500VAC 60S OR 2250VDC 60S
- 8. TURNS RATION 100KHz**
 - (P2~P1) : (J1~J2) = 1:1 ±5%
 - (P4~P3) : (J3~J6) = 1:1 ±5%
 - (P6~P5) : (J4~J5) = 1:1 ±5%
 - (P8~P7) : (J7~J8) = 1:1 ±5%
- 9. BALANCED DC LINE CURRENT:**
 - 720mA MAX @57VDC CONTINUOUS

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

DRAWN	WX	3/22/24
CHECKED	RC	3/22/24
APPROVED		

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TITLE MODULAR JACK GANGED, 8 PORT, 8P8C, W/ LED1 GREEN LED2 YELLOW, 1GBASE-T		
SIZE X	PART NO. MTJG-8-88JX1-FS-PG-LH-M295YA-HT-WOT	REV. -
REF: S00005C	SCALE: NTS	SHEET 3 OF 3