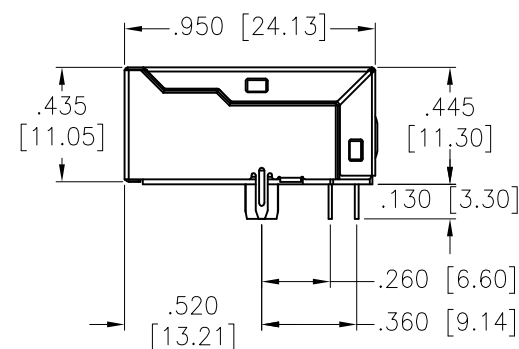
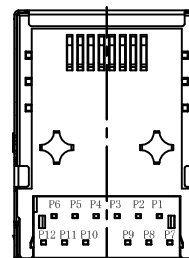
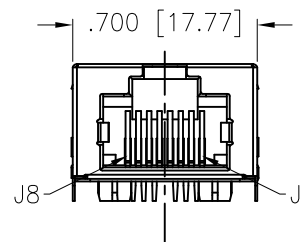
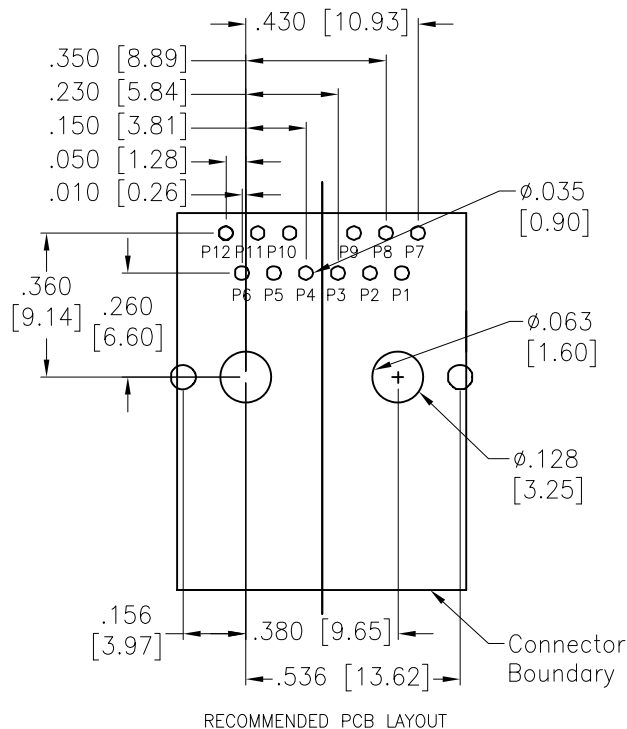


APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/12/18	
A		UPDATE DRAWING	5/13/19	AY/DH
B		UPDATE DRAWING	6/15/20	LH/AC



SPECIFICATIONS:

Material:

Insulator: Hi-Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Phosphor Bronze

Shield: Brass, 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:

Voltage rating: 150 VAC

Contact Resistance: 20 mohms max

Insulation resistance: 500 Mohms min

Dielectric withstanding voltage: 2,250 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 $\pm .10$ $\phi .X$ $\pm .10$
.XX $\pm .020$ $\phi .XX$ $\pm .015$
.XXX $\pm .015$ $\phi .XXX$ $\pm .010$

APPROVALS		DATE
DRAWN	AY	11/12/18
CHECKED	NL	11/12/18
APPROVED		

ADAM
TECH
INTERCONNECTS

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
Fax: 908-687-5710

TITLE

MODULAR JACK 10G BASE-T, 1 PORT, 8P8C

SIZE	PART NO.	REV.
X	MTJ-88SUX1-FS-M245C-HT-WOT	B
REF:	S00005C	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

D

D

C

C

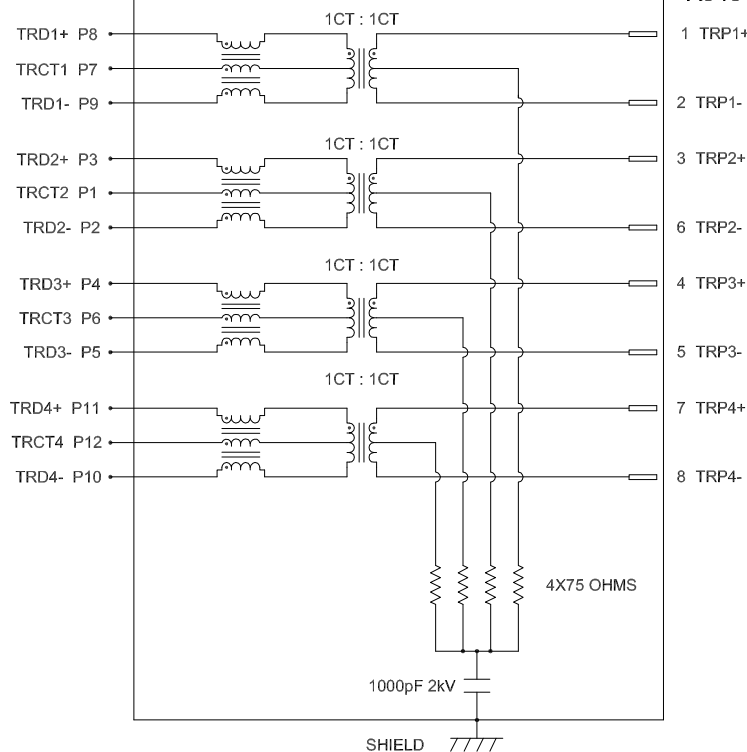
B

B

A

A

PHY SIDE



ELECTRICAL SPECIFICATIONS :

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (DATA CHANNELS)	100 KHz	1-400 MHz	
	-3.0 dB MAX	-2.0 dB MAX (-1.4dB TYP)	
RETURN LOSS (Z OUT=100 OHM ±1%)	1-40 MHz	40 MHz-400 MHz	400 MHz-500 MHz
	-16 dB MIN	-16+10LOG(f/40)dB	-6+30LOG(f/400)dB
INDUCTANCE (OCL)	120 uH MIN @ 100 KHz, 100 mV		
CROSSTALK, ADJACENT CHANNELS	1-100 MHz	100-500 MHz	
	-28 dB MIN	-19 dB MIN	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-500 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-250 MHz	250-500 MHz	
	-30 dB MIN	-22 dB MIN	
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

(10G BASE-T)

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

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11/12/18

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NL

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SIZE

PART NO.

REV.

X

MTJ-88SUX1-FS-M245C-HT-WOT

B

REF:

S00005C

SCALE:

NTS

SHEET 2 OF 2

6

5

4

3

2

1