

6 5 4 3 2 1

APPROVED: _____
DATE: _____ TITLE: _____

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

BOARD SIDE

CABLE SIDE

TCT P5

TD1+ P1

TD1- P2

TD2+ P3

TD2- P4

TD3+ P7

TD3- P8

TD4+ P9

TD4- P10

TCT P6

SHIELD

J1

J2

J3

J6

J4

J5

J7

J8

1CT:1CT

1CT:1CT

1CT:1CT

1CT:1CT

75 OHM

75 OHM

75 OHM

75 OHM

CAP 1000pF 2KV

L4

L3

L2

L1

Pin	Green	ORANGE	
L4	+	L2	+
L3	-	L1	-

Electronical Specifications:

PARAMETER	SPECIFICATIONS			
Turns Ratio	1.00 ± 2%			
Polarity	PER SCHEMATIC			
INSERTION LOSS (DATA CHANNELS)	1MHz-50MHz	50-125 MHz	125-250 MHz	
	-0.5dB MAX	-1.0dB MAX	-2.0 dB MAX	
RETURN LOSS (Z OUT=100 OHM ±1%)	1MHz TO 40MHz		40MHz TO 250MHz	
	-20dB MIN		-16+10Log(Freq MHz/40MHz)dB MIN	
INDUCTANCE (OCL)	180 uH MIN @ 100 KHz, 100 mV			
Reflected CM to DIFF Conversion (REF)	1 MHz	50 MHz	100 MHz	200 MHz
	-30dB MAX	-30dB MAX	-27dB MAX	-24dB MAX
	1 MHz TO 10 MHz		10 MHz TO 200 MHz	
	-48 dB MIN		-48+19Log(Freq MHz/10MHz) dB MIN	
Reflected DIFF to CM Conversion (REF)	1 MHz-200MHz			
	-25dB MIN			
CM to CM Attenuation (REF)	1 MHz TO 40 MHz		40 MHz TO 125 MHz	
	-35dB MIN		-35+15log(Freq MHz/40MHz)dB MIN	
CROSS TALK	1 MHz TO 40 MHz		40 MHz TO 125 MHz	
	-35dB MIN		-35+15log(Freq MHz/40MHz)dB MIN	
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS			

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		ADAM TECH INTERCONNECTS		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710
		TITLE: MODULAR TELEPHONE JACK, 8P8C W/ LED1 GREEN, W/ LED2 ORANGE, 2.5G BASE-T		
APPROVALS		DATE		
DRAWN	LH	5/12/20		
CHECKED	AC	5/12/20		
APPROVED				
SIZE	PART NO.	REV.		
X	MTJ-88AX1-FS-TSMT-P-L5-M398CH-WOT-KT	-		
REF:	S00005C	SCALE:	NTS	SHEET 2 OF 2

6 5 4 3 2 1