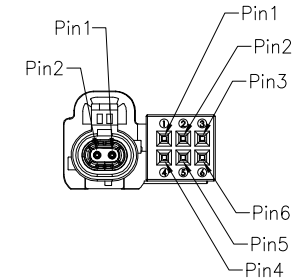
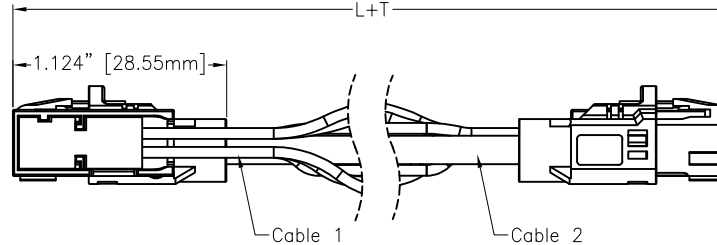
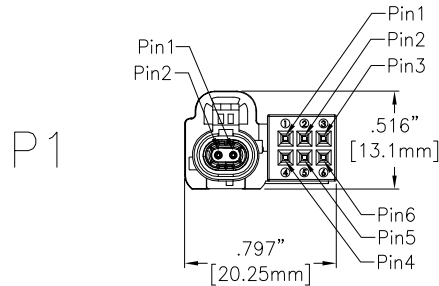


APPROVED: _____

DATE: _____ TITLE: _____

CUSTOM CABLE ASSEMBLIES ARE NON-CANCELLABLE/NON-RETURNABLE

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/5/25	
A		UPDATE SPEC.	9/3/25	WY/RC



SPECIFICATIONS:

Connector:

P1&P2= High-speed Modular Twisted-pair Data Jack Connector 2P, Code see Page 2,
+ MQS Connector 6P, 30u" Gold Plated

Cable:

Cable 1= Differential Cable, 26AWGx2C+AL+BRAID,
O.D= .150" [3.8mm], Jacket color: Black
Cable 2= UL1430, 20AWG, Jacket color: Black

Electrical:

Impedance: 100ohms

Insulation resistance: 100Mohms min

Return loss:

Long SCC case8 for IL(3 GHz) > 15 dB:

$\geq (201 \leq f < 48020 - 10 \log_{10}(f485 \text{ rft} 0) 480 \leq f < 3000123000 \leq f \leq 4000) \text{ db}$

$1 \leq f \leq 4000$, frequency fin MHz

Mechanical:

Unmating Force: 5N min

Durability: 25 cycles min

Environmental:

Thermal shock & Mechanical shock & Humidity & Vibration:
USCAR-2 & USCAR-17

DIN EN 60512 & DIN IEC 60068

Temperature Rating:

Operating temperature: -40°C to +105°C

Electrical Test:

All Assemblies must be 100% Tested for
Shorts, Open, Continuity, and Physical Appearance.

Packing:

Standard: Bag

Environmental:

Lead free, RoHS compliant



P1	PIN ASSIGNMENT	P2
HT-X PIN 1		HT-X PIN 1
HT-X PIN 2		HT-X PIN 2
SHIELD		SHIELD
MQS PIN 1		MQS PIN 1
MQS PIN 2		MQS PIN 2
MQS PIN 3		MQS PIN 3
MQS PIN 4		MQS PIN 4
MQS PIN 5		MQS PIN 5
MQS PIN 6		MQS PIN 6

CA-HTJ1X-HTJ1X-MQS-XM

ADAM TECH P/N	L+T
CA-HTJ1X-HTJ1X-MQS-1M	39.370"±1.181" [1000±30mm]

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

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

DRAWN	WY	8/5/25
CHECKED	RC	8/5/25
APPROVED		

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**ADAM
TECH**

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE
CUSTOM ASSEMBLY, 26AWG, W/TPA ,HIGH-SPEED MODULAR
TWISTED-PAIR DATA JACK CONN 2P & MQS CONN 6P

SIZE X	PART NO. CA-HTJ1X-HTJ1X-MQS-XM	REV. A
REF: S00013T	SCALE: NTS	SHEET 1 OF 2

6

5

4

3

2

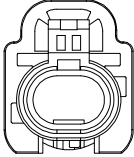
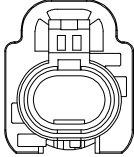
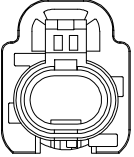
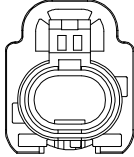
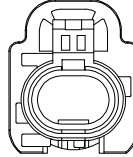
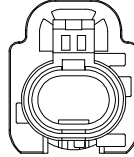
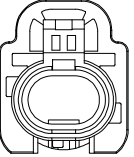
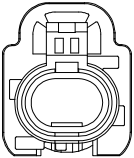
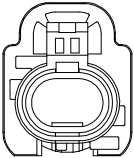
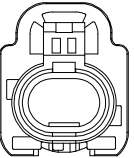
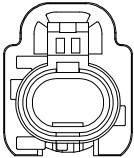
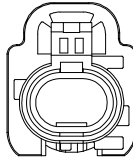
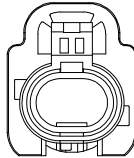
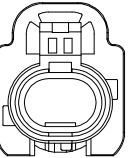
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DATE: _____ TITLE: _____

CUSTOM CABLE ASSEMBLIES ARE NON-CANCELLABLE/NON-RETURNABLE

★ Developing
CA-HTJ1X-HTJ1X-MQS-XM

A	B	C	D	E	F	G ★
JET BLACK	PURE WHITE	LIGHT BLUE	CLARET VIOLET	MAY GREEN	NUT BROWN	PLATINUM GREY
						
H ★	J ★	K ★	L ★	M ★	O ★	Z
LIGHT PINK	BEIGE	CURRY	YELLOW GREEN	PASTEL ORANGE	LIGHT GREEN	WATER BLUE
						

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

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

DRAWN

WY

8/5/25

CHECKED

RC

8/5/25

APPROVED

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TECH**909 Rahway Avenue,
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adam-tech.comTITLE
CUSTOM ASSEMBLY, 26AWG, W/TPA ,HIGH-SPEED MODULAR
TWISTED-PAIR DATA JACK CONN 2P & MQS CONN 6PSIZE
X

PART NO.

CA-HTJ1X-HTJ1X-MQS-XM

REV.
A

REF: S00013T

SCALE: NTS

SHEET 2 OF 2