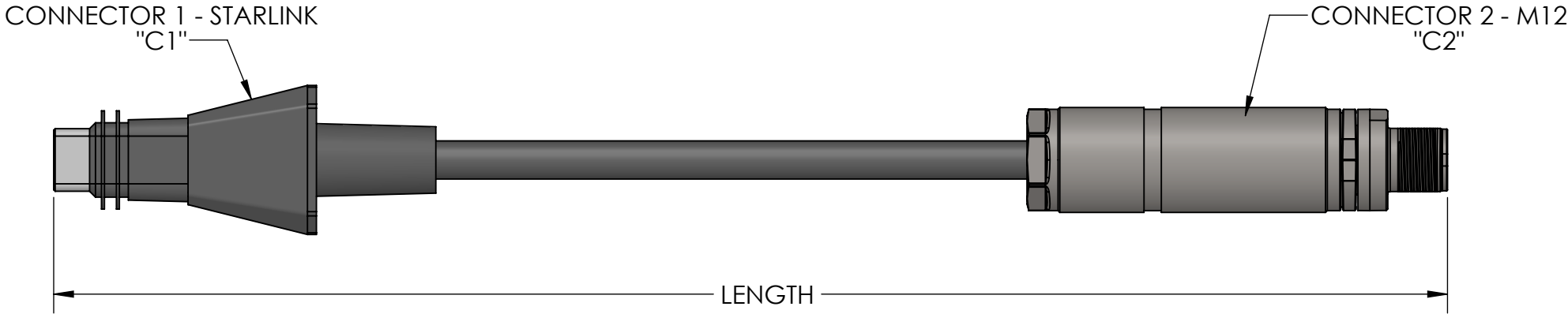
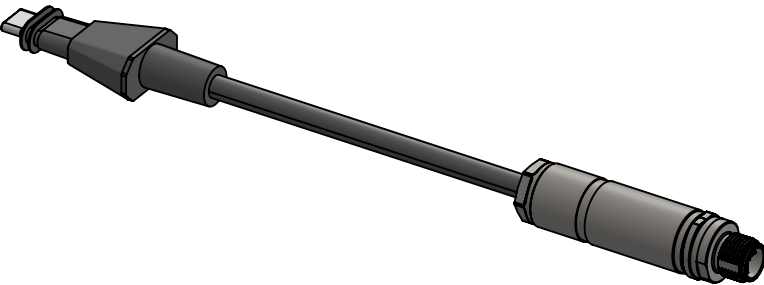
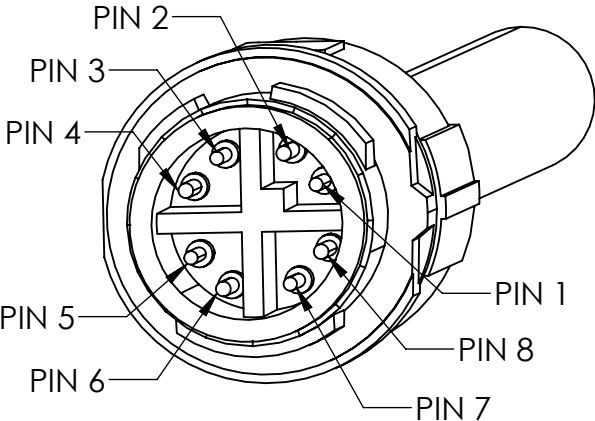


SOURCE CONNECTOR AND PIN	SIGNAL NAME	COLOR	DESTINATION CONNECTOR AND PIN
C1	ETH A+ (48V)	YELLOW	C2 - P1
	ETH A- (48V)	GREEN	C2 - P2
	ETH B+ (48V)	WHITE	C2 - P3
	ETH B- (48V)	BLUE	C2 - P4
	ETH C+ (GND)	GRAY	C2 - P5
	ETH C- (GND)	BROWN	C2 - P6
	ETH D+ (GND)	PURPLE	C2 - P7
	ETH D- (GND)	ORANGE	C2 - P8

REVISIONS			
REV.	DESCRIPTION	DATE	ENGINEER
A	INITIAL RELEASE	24 APR 2024	DE1




M12 CONNECTOR PINOUT



ASSEMBLY INSTRUCTIONS

1. ALL WORKMANSHIP TO MEET A MINIMUM OF IPC-A-620 CLASS 2.
2. CUT OFF ONE END FROM OFF THE SHELF CABLE AT APPROPRIATE LENGTH AND DISCARD.
3. CABLE LENGTH IN MM TO BE APPENDED TO PART NUMBER BEFORE REVISION. FOR EXAMPLE, XXX-XXX-150-A IS CABLE PART NUMBER XXX-XXX-A IN A 150MM LONG CONFIGURATION.
4. CABLE TO BE MEASURED FROM TIP TO TIP OF CONNECTOR HOUSINGS. LENGTH TOLERANCE TO BE +/-0.25".
5. SOLDER OR CRIMP WIRES ONTO M12 CONNECTOR PER VENDOR BEST PRACTICE.
6. PART NUMBER ALTERNATES MUST BE APPROVED BY CUSTOMER.
7. SHIELD OF OFF THE SHELF CABLE TO BE CONNECTED TO CASE OF M12 CONNECTOR PER VENDOR BEST PRACTICE.
8. ASSEMBLE FIELD TERMINATION M12 PER MANUFACTURER RECOMMENDATIONS.
9. 100% ELECTRICAL INSPECTION FOR EACH CONDUCTOR AFTER ASSEMBLY. CHECK FOR CONTINUITY.
10. CLOCKING OF CABLE ENDS NON-CRITICAL RELATIVE TO ONE ANOTHER.
11. INDIVIDUALLY BAG AND TAG WITH COMPANY PART NUMBER AND REVISION AND VENDOR LOT CODE.
12. HEATSHRINK LABEL PART NUMBER AND REVISION CENTERED ON WIRE.

ITEM NO.	PART NUMBER	DESCRIPTION	Vendor	Vendor PN	QTY.
1	19-1240-06	Starlink High Capacity Cable, xx meters	Starlink	19-1240-06	1
2	2327989-1	Connector, M12, 8 Pin, X Code, In-Line, Field Termination	TE Connectivity	2327989-1	1

<div>DIMENSIONS ARE IN INCHES [MM] TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X ± 0.020 X.XX ± 0.010 X° ± 1° X.XXX ± 0.005 INTERPRET DRWING PER ASME Y14.5M - 2018 UNLESS OTHERWISE SPECIFIED: • TOLERANCES APPLY AFTER ALL POST PROCESSING • BREAK ALL SHARP EDGES TO 0.005" • MACHINED SURFACE FINISH TO BE 63µin Ra OR BETTER • PARTS TO BE FREE OF BURRS OR FLASH AND DEBRIS WHEN PACKAGED PROPRIETARY AND CONFIDENTIAL <small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE INTELLECTUAL PROPERTY OF THE COMPANY LISTED. ANY REPRODUCTION OR DISCLOSURE WITHOUT WRITTEN CONSENT IS PROHIBITED.</small></div>	MATERIAL:	COMPANY: TILT AUTONOMY		
	FINISH:	PART NAME: Cable Assembly, Starlink to M12 Ethernet, High Capacity, Field Termination		
	(WEIGHT): 0.27 LBS	PART NUMBER - REVISION: 100-067-A		
	OVERALL PROFILE TO CAD MODEL UNLESS OTHERWISE SPECIFIED <div> 0.020</div>	RELEASE STATUS: RELEASED	SIZE: B	SHEET: 1 of 1