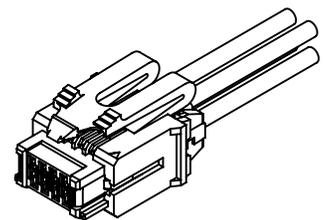


DO NOT SCALE FROM THIS PRINT

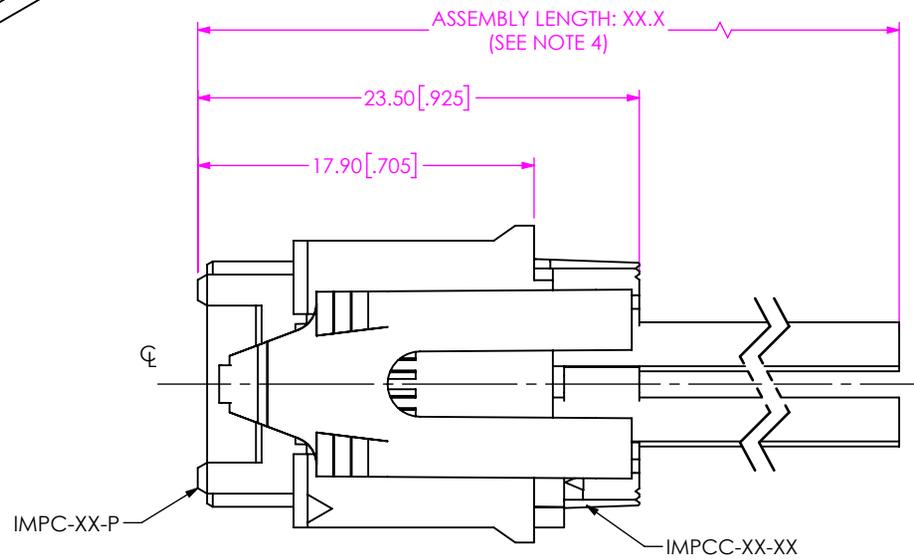


**DESIGNED AND DIMENSIONED IN MILLIMETERS[INCHES]  
EXCEPT WHERE NOTED, ALL DIMENSIONS ARE REFERENCE**

UMPCX-XX-X-XXX-X-XX.X-X

**TABLE 1**

No. OF POS	"A"
-02	12.85 [.506]
-03	14.85 [.585]
-04	16.85 [.663]
-05	18.85 [.742]
-06	20.85 [.821]
-07	22.85 [.900]
-08	24.85 [.978]
-09	26.85 [1.057]
-10	28.85 [1.136]



**FEP CABLE OPTION**  
-T: FEP INSULATION (ONLY AVAILABLE WITH -M LATCHING)  
(LEAVE BLANK FOR STANDARD PVC INSULATION)

**No OF POSITIONS**  
-02, -03, -04, -05,  
-06, -07, -08, -09,  
-10

**PLATING SPECIFICATION**  
-T: BRIGHT ACID TIN (BAT)  
-L: 10μ" SELECTIVE GOLD IN CONTACT AREA, BRIGHT ACID TIN (BAT) ON THE TAIL.  
-S: 30μ" SELECTIVE GOLD IN CONTACT AREA, BRIGHT ACID TIN (BAT) ON THE TAIL.

**WIRE GAUGE**  
-16: 16 AWG  
(UMPC USES 16 AWG 300 VOLT PVC)  
(UMPC USES 16 AWG 600 VOLT FEP)  
-18: 18 AWG  
(UMPC USES 18 AWG 300 VOLT PVC)  
(UMPC USES 18 AWG 300 VOLT FEP)

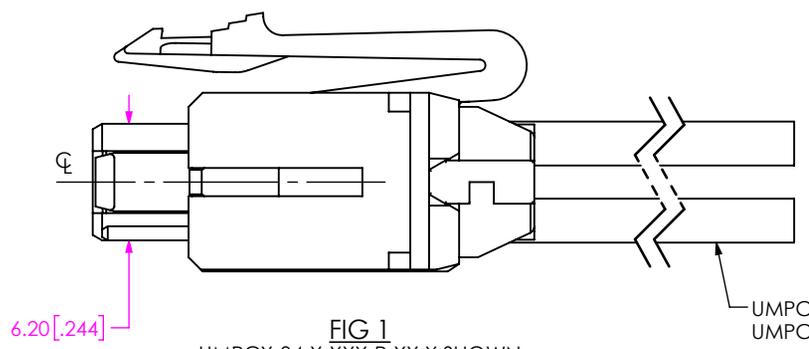
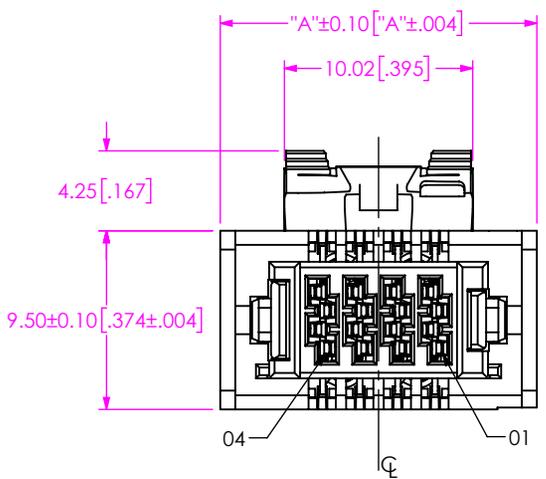
**COLOR CODE**  
C: COLOR CODE WIRE  
(SEE COLOR SEQUENCE TABLE, SHEET 3)  
(LEAVE BLANK FOR STANDARD WIRE)  
NOT AVAILABLE WITH UMPC

**LATCH OPTIONS**  
(LATCHING REQUIRED, MUST CHOOSE -P OR -M)  
-P: PLASTIC TOP LATCH  
-M: METAL SIDE LATCHES

**ASSEMBLY LENGTH**

SPECIFY IN INCHES  
SINGLE ENDED: 03.0 INCHES MINIMUM  
DOUBLE ENDED 2-4 POSITIONS : 04.0 INCHES MINIMUM  
DOUBLE ENDED 5-10 POSITIONS : 05.0 INCHES MINIMUM  
DOUBLE ENDED, FEP CABLE, 2-4 POSITIONS: 09.0 INCH MINIMUM  
DOUBLE ENDED, FEP CABLE, 5-10 POSITIONS: 10.0 INCH MINIMUM

**PINOUT**  
(LEAVE BLANK FOR SINGLE ENDED ASSEMBLY)  
-1: PIN 01 TO 01  
-2: PIN 01 TO N



**FIG 1**  
UMPCX-04-X-XXX-P-XX.X SHOWN

**NOTES:**

- CONTACT MUST BE INSERTED UNTIL RETENTION FEATURE LOCKS INTO PLACE.
- ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
- ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST @ 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH (1) ET STAMP ON THE BODY.
- FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
- CUT LENGTH IS ASSEMBLY LENGTH MINUS OVERALL LENGTH SUBTRACTOR.
- PARTS TO BE INDIVIDUALLY PACKAGED IN A ASBBLTXXXXX BUBBLE BAG.
- NOTE DELETED

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DO NOT SCALE DRAWING  
SHEET SCALE: 1:2

MATERIAL:  
INSULATOR: LCP  
CONTACT: COPPER ALLOY  
HOLDER: NYLON  
CAP: POLYPROPYLENE

**samtec**  
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION: 2MM ULTRA MICRO POWER CABLE

DWG. NO. UMPCX-XX-X-XXX-X-XX.X-X

BY: ETHAN C 07/17/2019 SHEET 1 OF 5

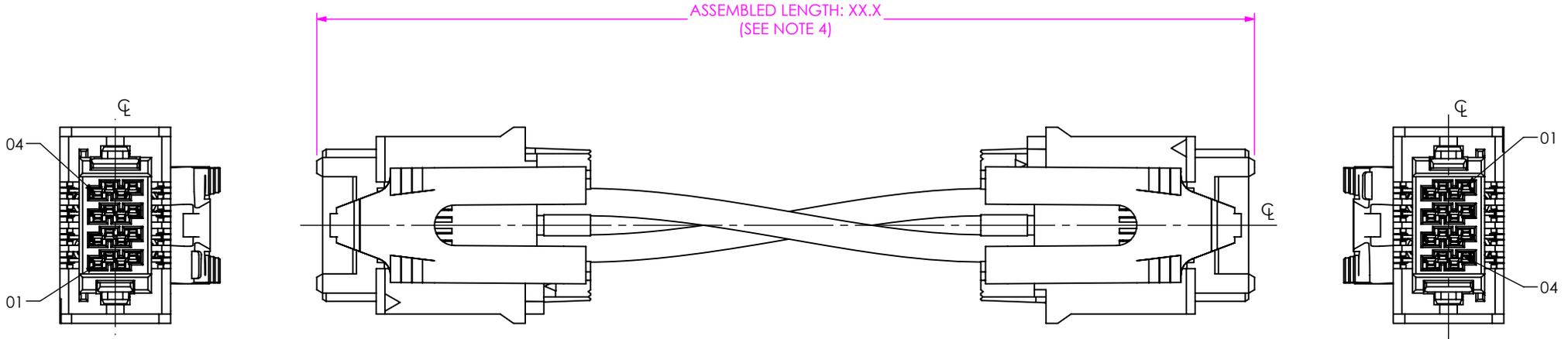


FIG 2  
UMPCX-04-X-XXX-P-XX.X-1 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

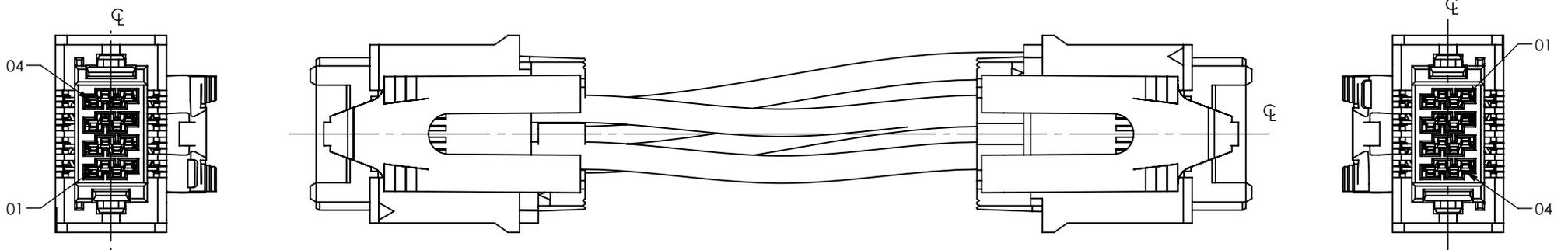


FIG 3  
UMPCX-04-X-XXX-P-XX.X-2 SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1 & FIG 2)

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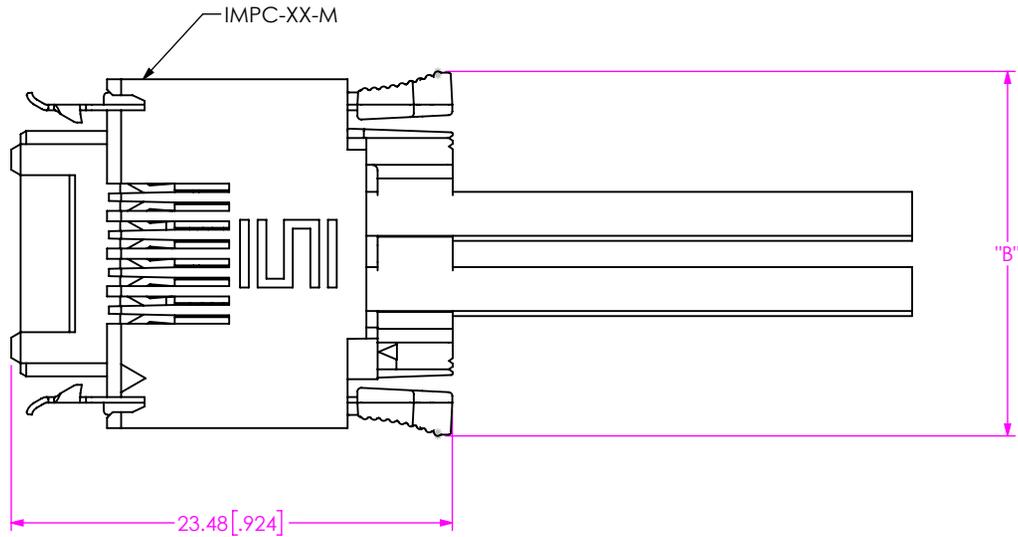
DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:  
2MM ULTRA MICRO POWER CABLE

DWG. NO.  
**UMPCX-XX-X-XXX-X-XX.X-X**

BY: ETHAN C 07/17/2019 SHEET 2 OF 5



No. OF POS	"B"
-02	15.38 [.606]
-03	17.38 [.684]
-04	19.38 [.763]
-05	21.38 [.842]
-06	23.38 [.920]
-07	25.38 [.999]
-08	27.38 [1.078]
-09	29.38 [1.157]
-10	31.38 [1.235]

FIG 5  
UMPC-04-X-XXX-M-XX.X SHOWN  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

UMPC COLOR CODED WIRE SEQUENCE										
PIN#	COLOR									
	BROWN	RED	ORANGE	YELLOW	GREEN	BLUE	VIOLET	GRAY	WHITE	BLACK
	1	2	3	4	5	6	7	8	9	10

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DO NOT SCALE DRAWING

SHEET SCALE: 1:1

DESCRIPTION:  
2MM ULTRA MICRO POWER CABLE

DWG. NO.  
**UMPCX-XX-X-XXX-X-XX.X-X**

BY: ETHAN C 07/17/2019 SHEET 3 OF 5

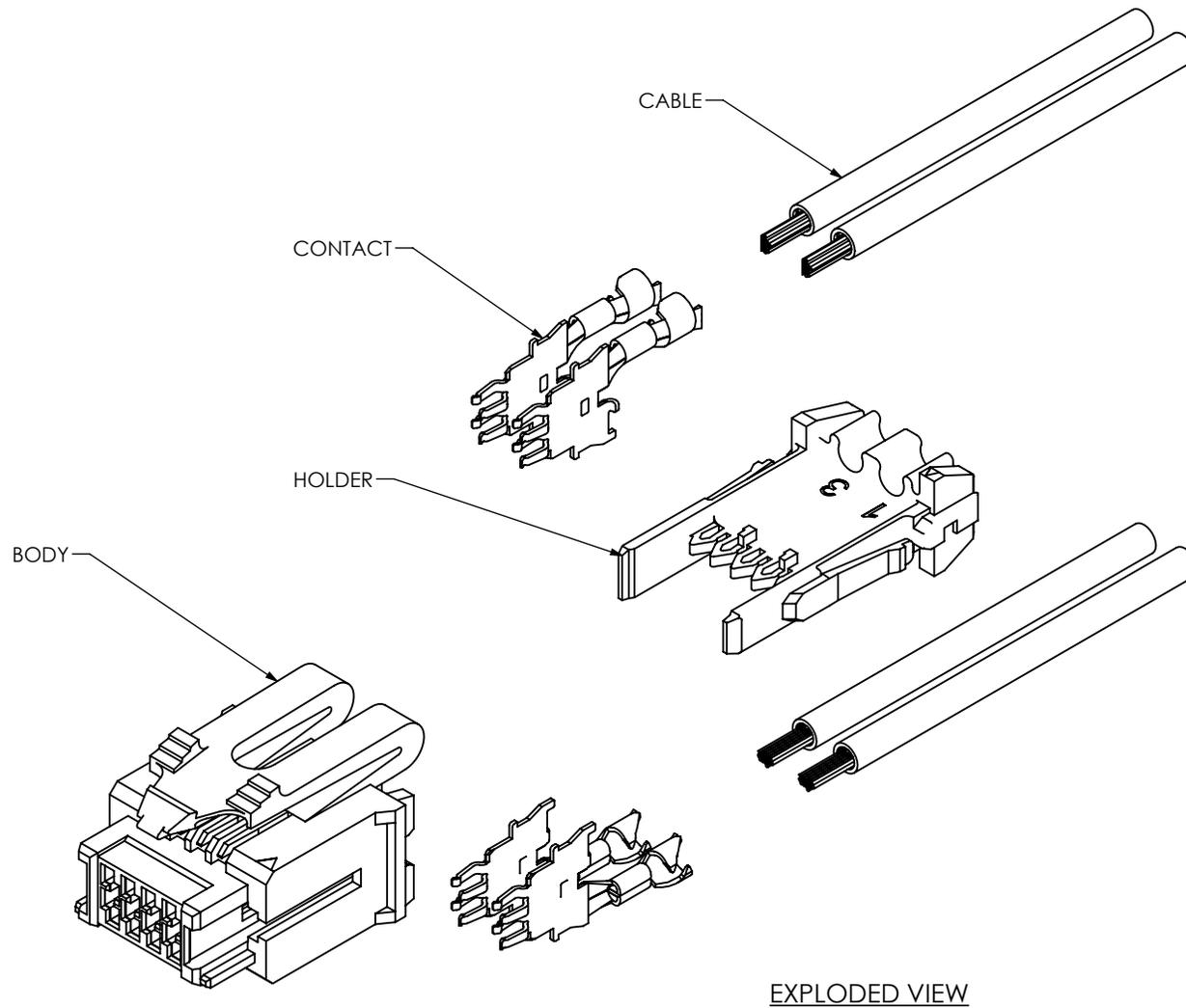


TABLE 3

SERIES	WIRE GAUGE	VOLTAGE	BODY	HOLDER	CONTACT	CABLE
UMPC	16 AWG	300V	<b>PLASTIC LATCH:</b> IMPC-XX-P	IMPCC-XX-01	CC489-01-X-X	DWC-16-XX-300
	18 AWG			IMPCC-XX-02		DWC-18-XX-300
UMPCT	16 AWG	600V	<b>METAL LATCHES:</b> IMPC-XX-M	IMPCC-XX-01	CC489-02-X-X	DWCT-16-01-600
	18 AWG	300V		IMPCC-XX-03		DWCT-18-01

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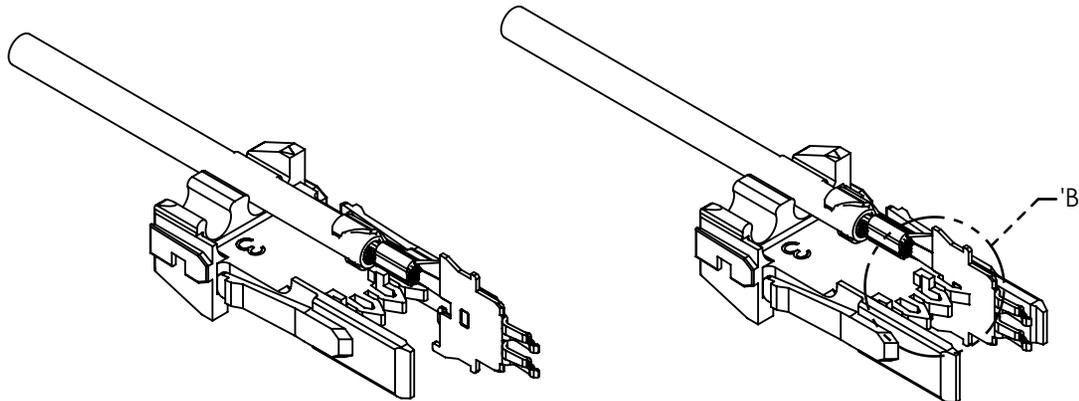
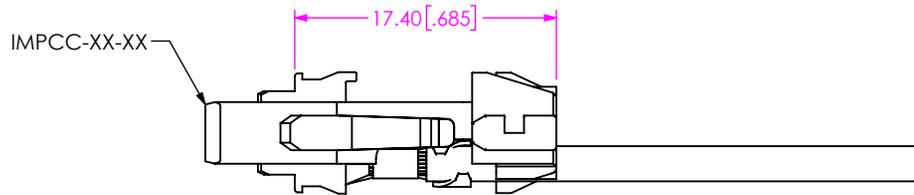


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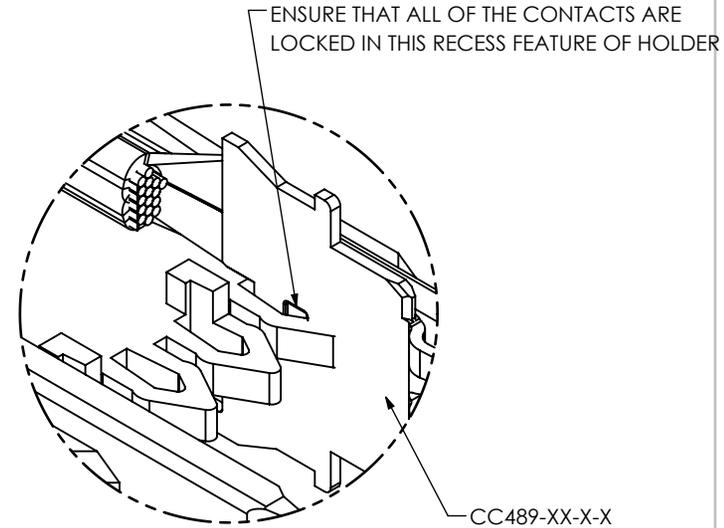
SHEET SCALE: 1:1

DESCRIPTION:  
 2MM ULTRA MICRO POWER CABLE  
 DWG. NO.  
**UMPCX-XX-X-XXX-X-XX.X-X**  
 BY: ETHAN C 07/17/2019 SHEET 4 OF 5



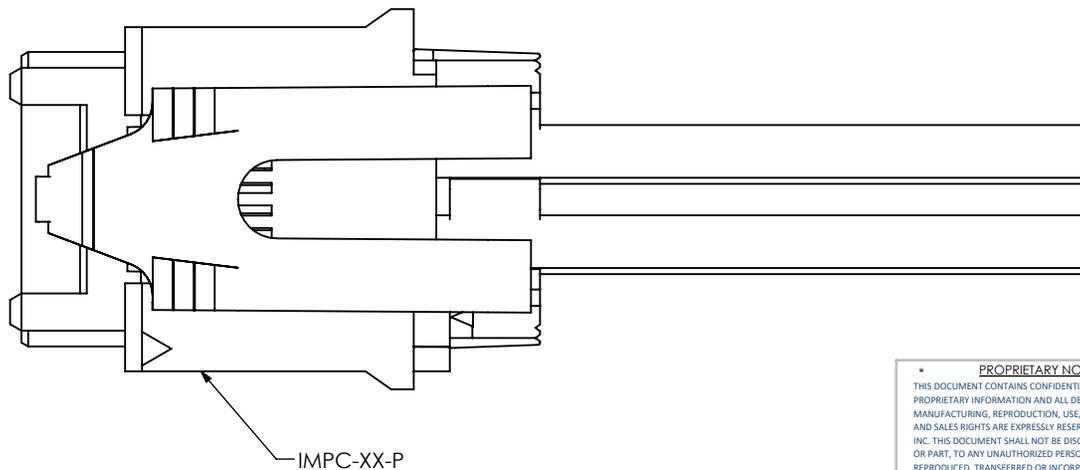
STEP 1

STEP 2



DETAIL 'B'  
SCALE 6:1

IN-PROCESS 1  
CC489 WITH CABLE AND IMPCX INSTALLATION  
(CRIMP SPECIFICATION SEE CC489 PRINT)



IN-PROCESS 2  
IMPCX INSTALLATION

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SHEET SCALE: 1:2

DESCRIPTION:  
2MM ULTRA MICRO POWER CABLE

DWG. NO.  
**UMPCX-XX-X-XXX-X-XX.X-X**

BY: ETHAN C 07/17/2019 SHEET 5 OF 5