

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

DO NOT
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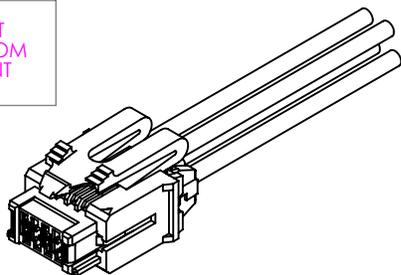
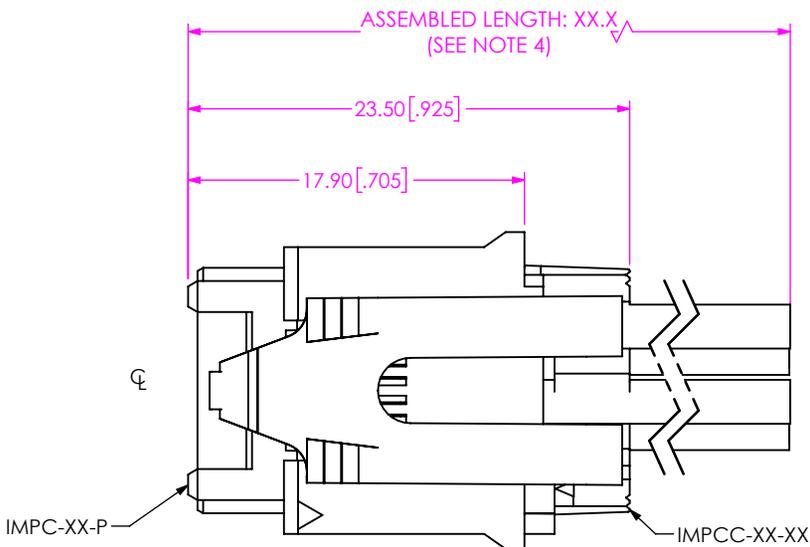


TABLE 1

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

COLOR CODE
-C: COLOR CODE WIRE
(SEE COLOR SEQUENCE TABLE, SHEET 4)
(LEAVE BLANK FOR STANDARD WIRE)
NOT AVAILABLE WITH UMPCT

LATCH OPTIONS
-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

PINOUT
(LEAVE BLANK FOR SINGLE ENDED ASSEMBLY)
-1: PIN 01 TO 01
-2: PIN 01 TO N
(* = NOT TOOLED)

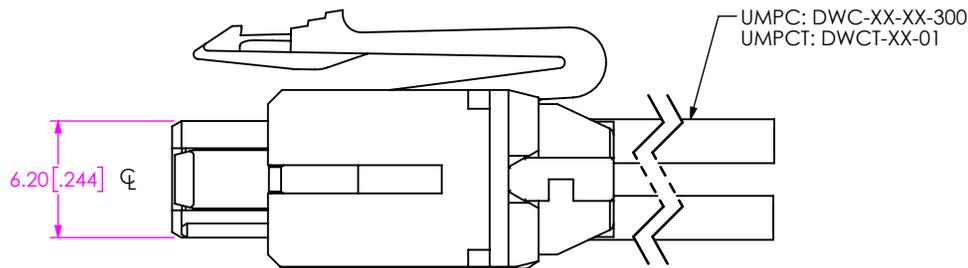
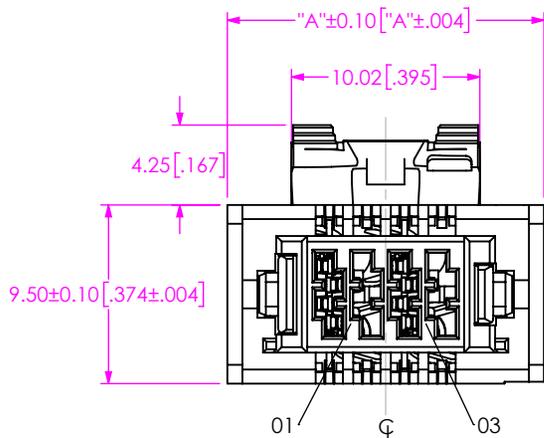


FIG 1
UMPCX-04-X-XX-P-XX.X SHOWN

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.
- DWCT-XX-01-TC IS TO BE USED EXCLUSIVE WITH DOUBLE ENDED ASSEMBLIES, ALL SINGLE ENDED ASSEMBLIES USE SILVER PLATED DWCT-XX-01.

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SHEET SCALE: 1:2

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



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-XX-X-X-XX.X-X

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

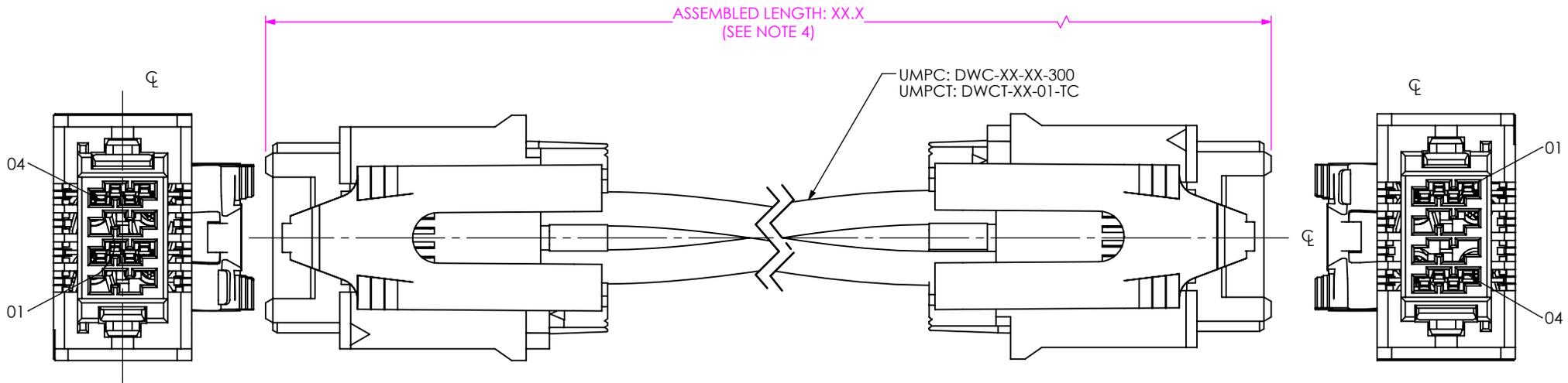


FIG 2
UMPCX-04-X-XX-P-XX.X-1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

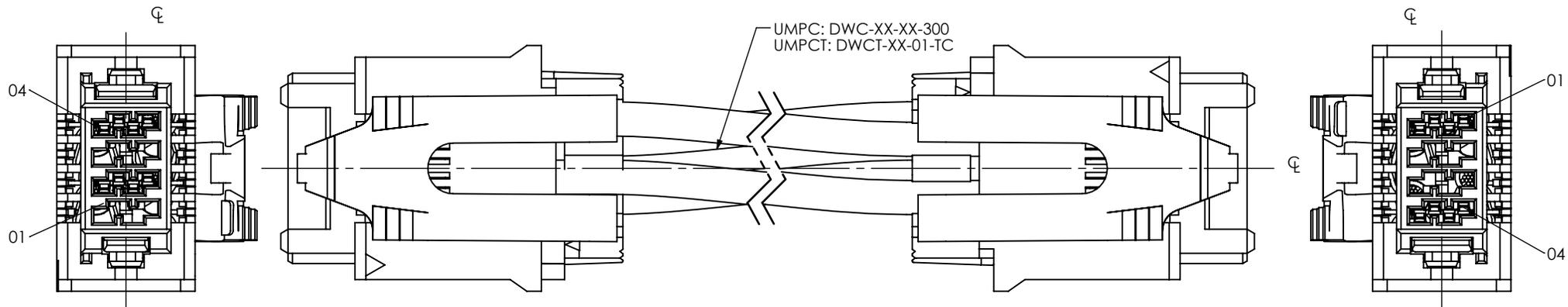


FIG 3
UMPCX-04-X-XX-P-XX.X-2 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1 & FIG 2)

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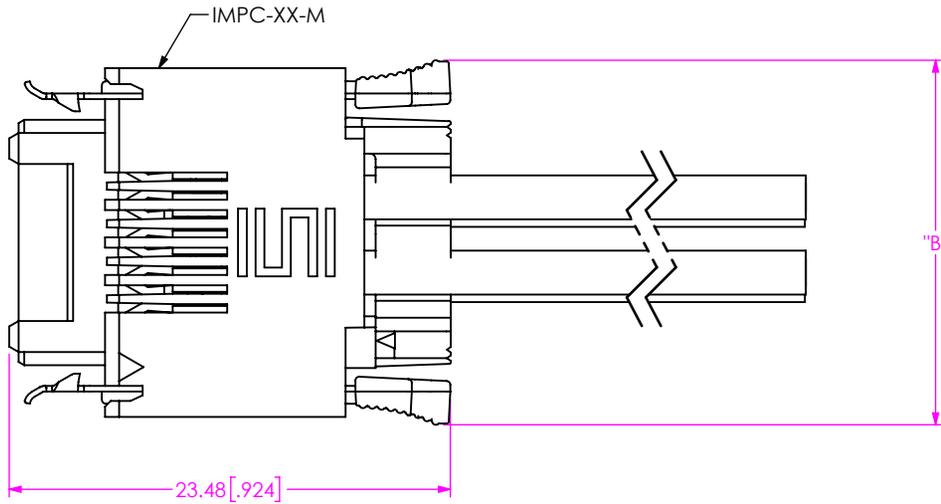
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DESCRIPTION:
2MM ULTRA MICRO POWER CABLE

DWG. NO.
UMPCX-XX-X-XX-X-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-XX-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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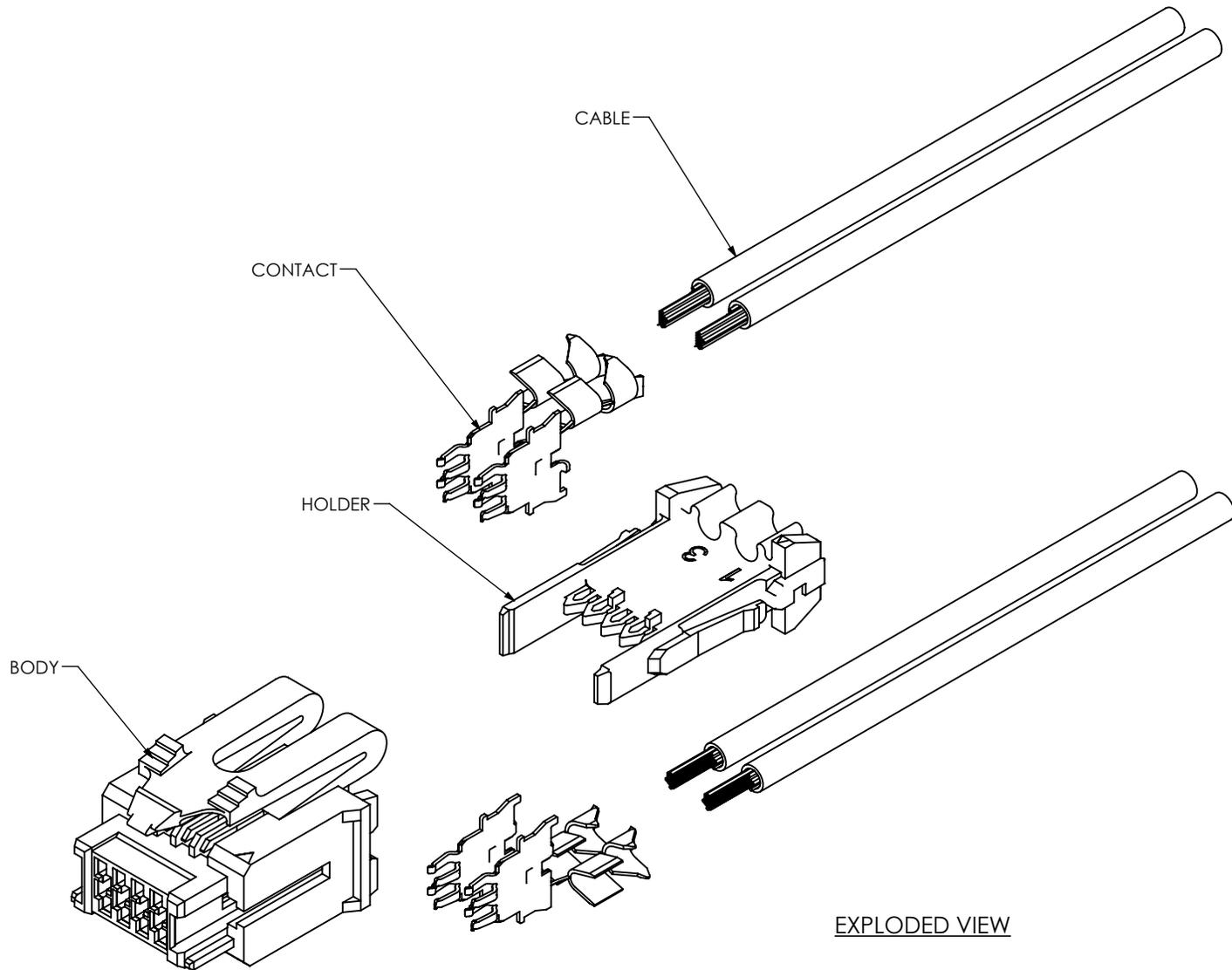
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2MM ULTRA MICRO POWER CABLE

DWG. NO.
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BY: ETHAN C 07/17/2019 SHEET 3 OF 5



EXPLODED VIEW

TABLE 3

SERIES	WIRE GAUGE	VOLTAGE	BODY	HOLDER	CONTACT	CABLE
UMPC	16 AWG	300V	PLASTIC LATCH: 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	METAL LATCHES: IMPC-XX-M	IMPCC-XX-03	CC489-02-X-X	TBD
	18 AWG	300V		IMPCC-XX-04	CC489-03-X-X	SEE NOTE 7

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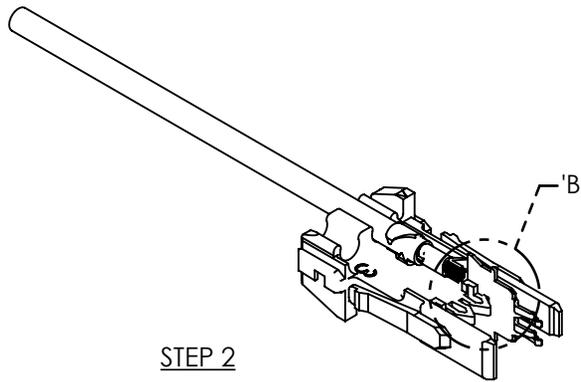
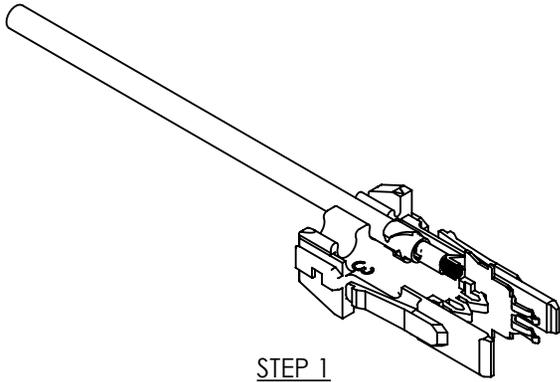
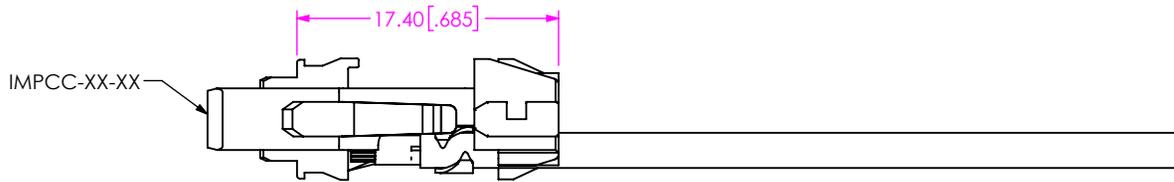
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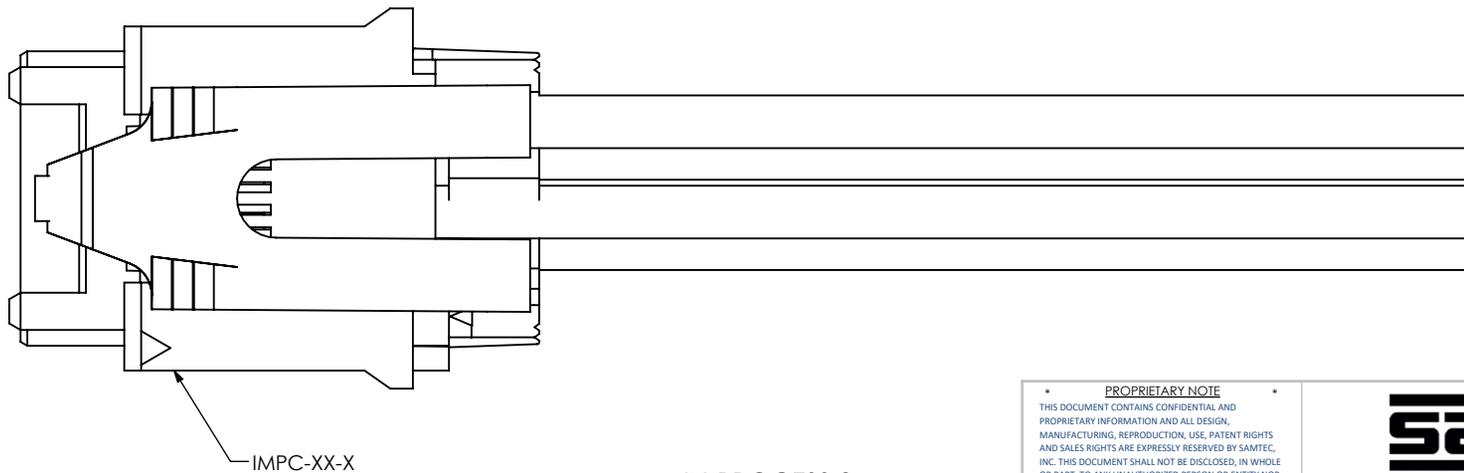
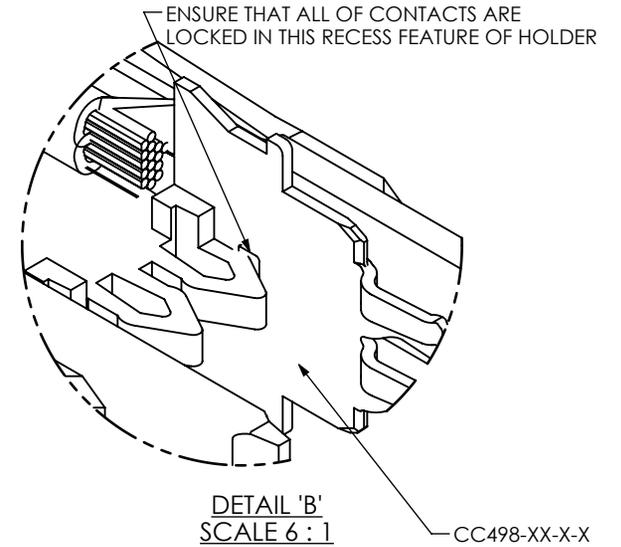
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BY: ETHAN C 07/17/2019 SHEET 4 OF 5



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



IN-PROCESS 2
IMPC INSTALLATION

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