

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

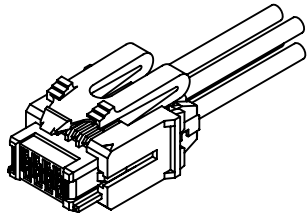


TABLE 1	
No. OF POS	"A"
-02	12.85 [.506]
-03	14.85 [.585]
-04	16.85 [.663]
-05	18.85 [.742]
-06	20.85 [.821]
-07	22.85 [.900]
-08	24.85 [.978]
-09	26.85 [1.057]
-10	28.85 [1.136]

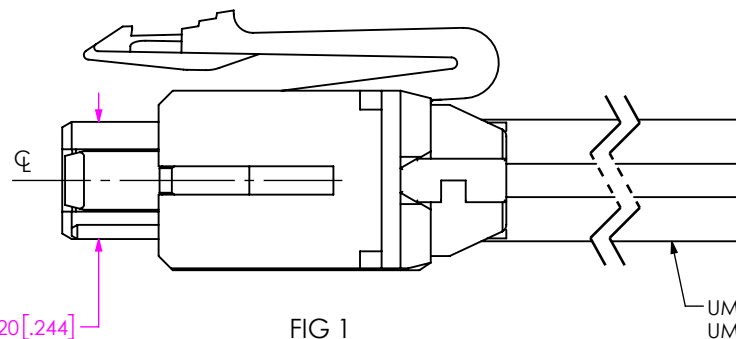
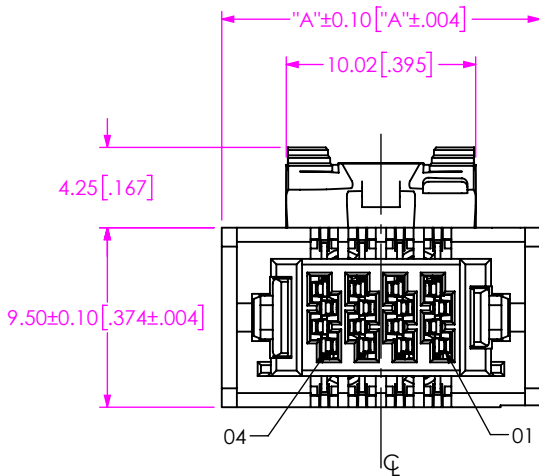
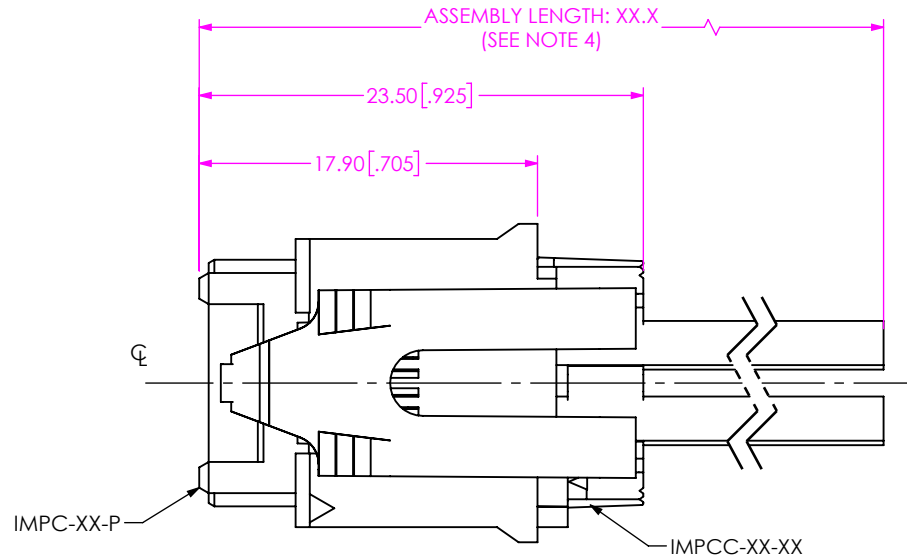


FIG 1
UMPCX-04-X-XXX-P-XX.X SHOWN

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

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

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

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
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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 6

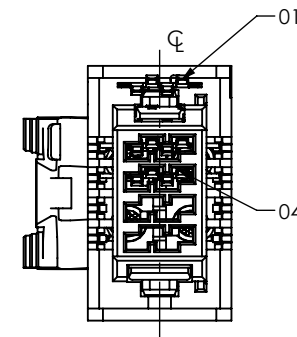
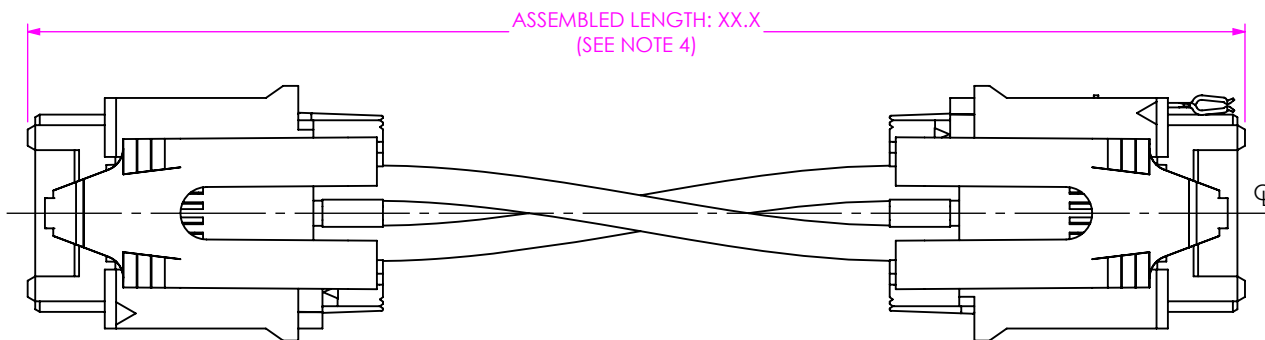
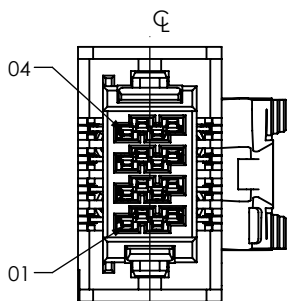


FIG 2
UMPCX-04-X-XXX-P-XX.X-1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

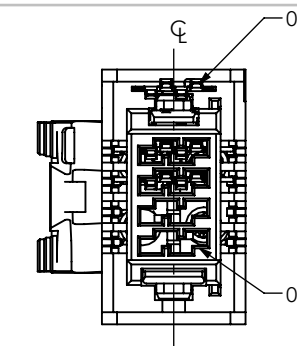
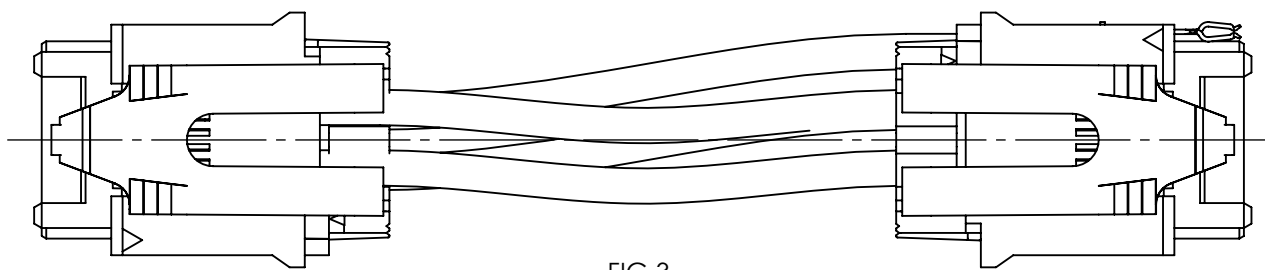
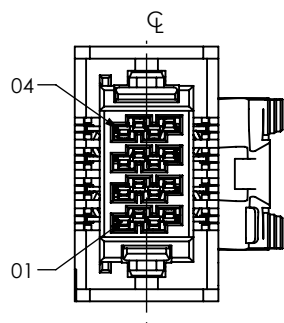


FIG 3
-02, -04, -06, -08, -10 Pos Only
UMPCX-04-X-XXX-P-XX.X-2 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1 & FIG 2)

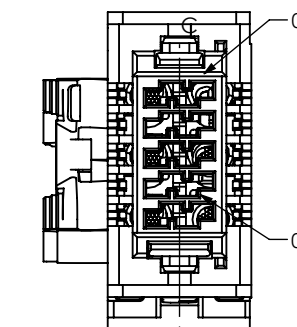
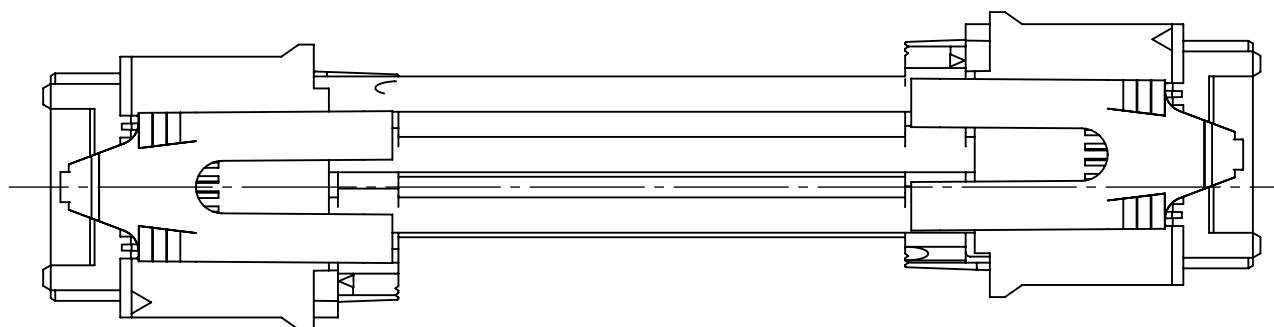
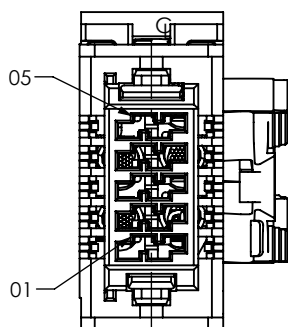


FIG 4
-03, -05, -07, -09 Pos Only
UMPCX-05-X-XXX-P-XX.X-2 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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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 2 OF 6

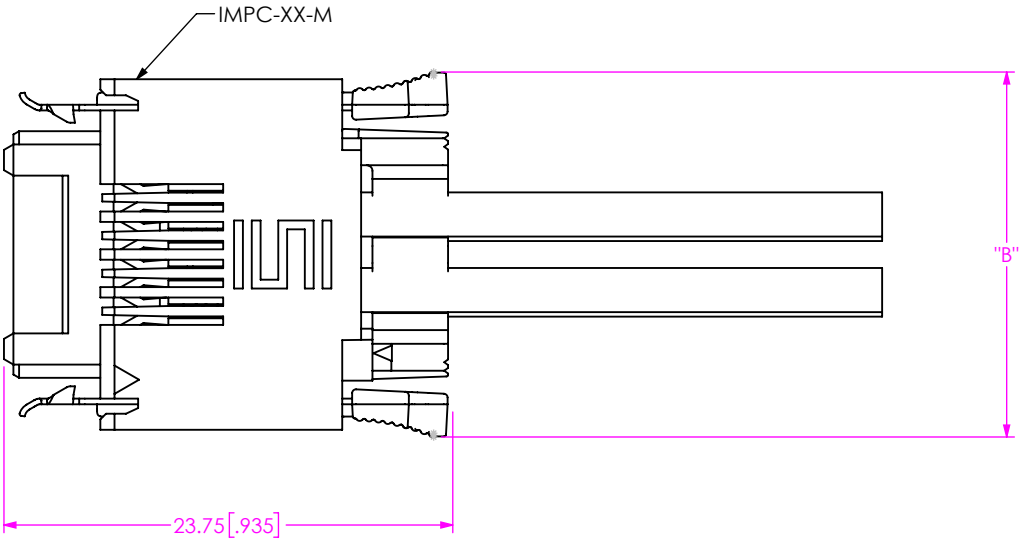


TABLE 2	
No. OF POS	"B"
-02	15.38 [.606]
-03	17.38 [.684]
-04	19.38 [.763]
-05	21.38 [.842]
-06	23.38 [.920]
-07	25.38 [.999]
-08	27.38 [1.078]
-09	29.38 [1.157]
-10	31.38 [1.235]

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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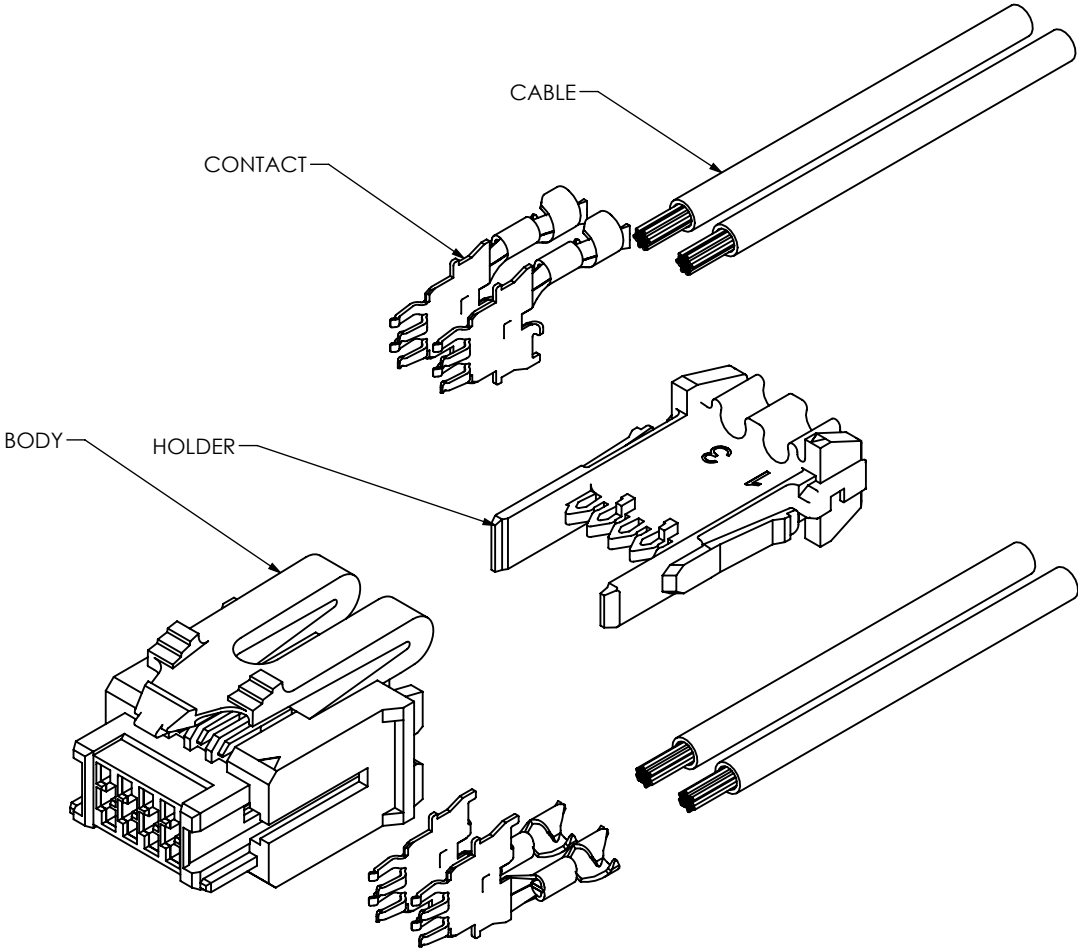
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DESCRIPTION:
2MM ULTRA MICRO POWER CABLE

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

BY: ETHAN C 07/17/2019 SHEET 3 OF 6



EXPLODED VIEW

TABLE 3

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

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BY: ETHAN C 07/17/2019 SHEET 4 OF 6

REVISION K

IMPCC-XX-XX

17.40[.685]

ENSURE THAT ALL OF THE CONTACTS ARE
LOCKED IN THIS RECESS FEATURE OF HOLDER

CC489-XX-X-X

STEP 1

STEP 2

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

DETAIL 'B'
SCALE 6 : 1

IMPC-XX-P

IN-PROCESS 2
IMPC INSTALLATION

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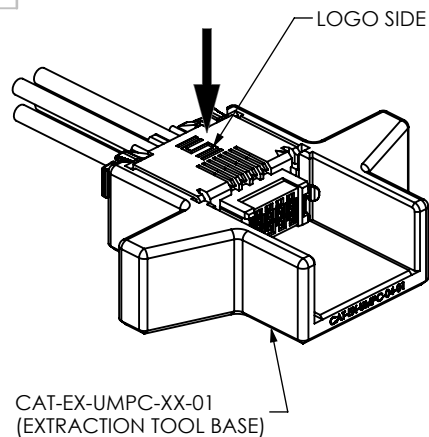
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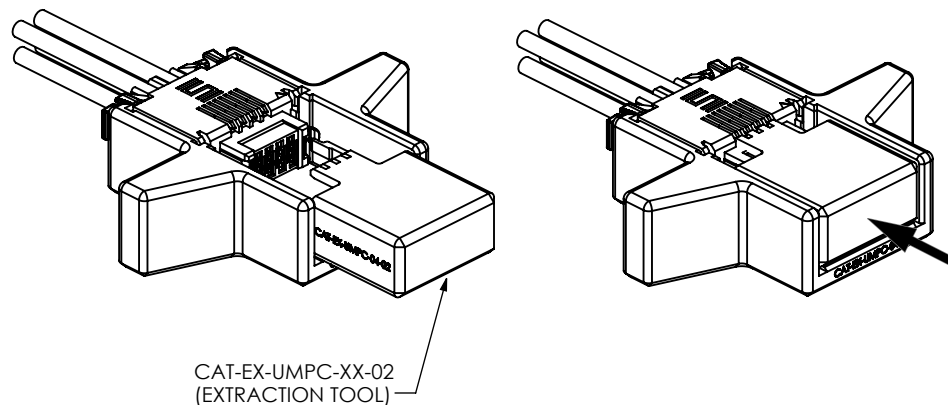
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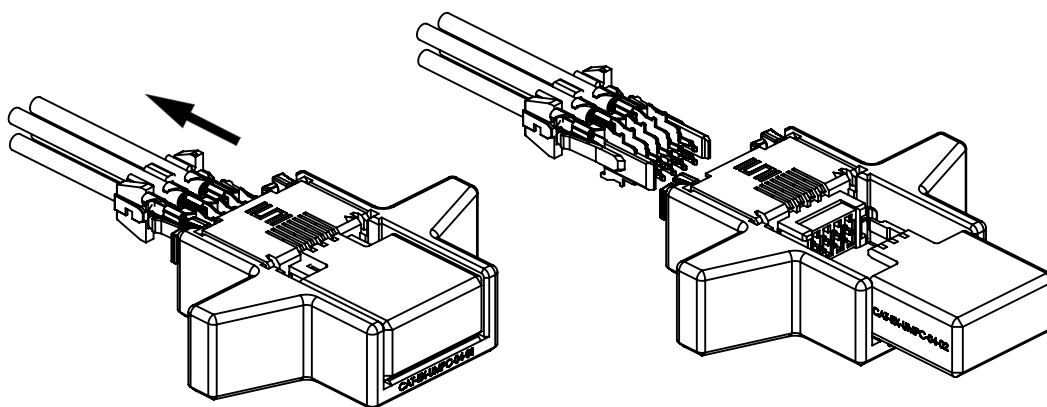
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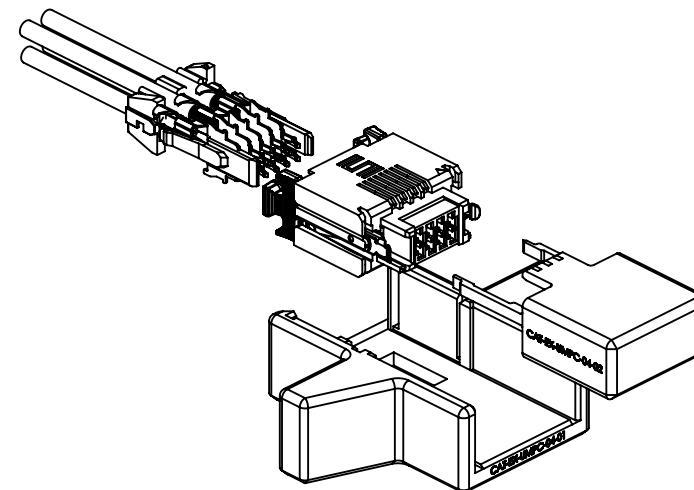
EX-PROCESS 1
PUT CONNECOTR ON THE EXTRACTION TOOL BASE AS SHOWN



EX-PROCESS 2
SLIDE IN EXTRACTION TOOL TO THE END OF CONNECTOR



EX-PROCESS 3
PULL OUT THE CABLES FROM CONNECTOR BACK SIDE
THEN WITHDRAW THE EXTRACTION TOOL



EX-PROCESS 4
REMOVE EXTRACTION TOOL BASE

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