

DO NOT
SCALE FROM
THIS PRINT

UMPIX-XX-X-XXX-XX.X-XX

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.

PINOUT
(LEAVE BLANK FOR SINGLE ENDED ASSEMBLY)
-M1: METAL LATCH 1 TO 1
-M2: METAL LATCH 1 TO N
-P1: PLASTIC LATCH 1 TO 1
-P2: PLASTIC LATCH 1 TO N

ASSEMBLY LENGTH
SPECIFY IN INCHES
SINGLE ENDED: 03.0 INCH MINIMUM
DOUBLE ENDED, 2-4 POSITIONS: 04.0 INCH MINIMUM
DOUBLE ENDED, 5-10 POSITIONS: 05.0 INCH MINIMUM

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

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

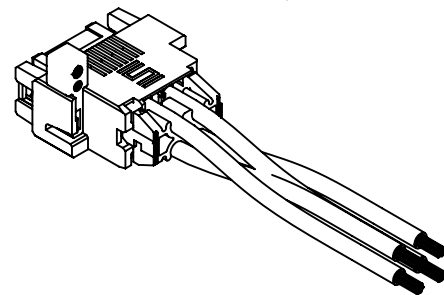
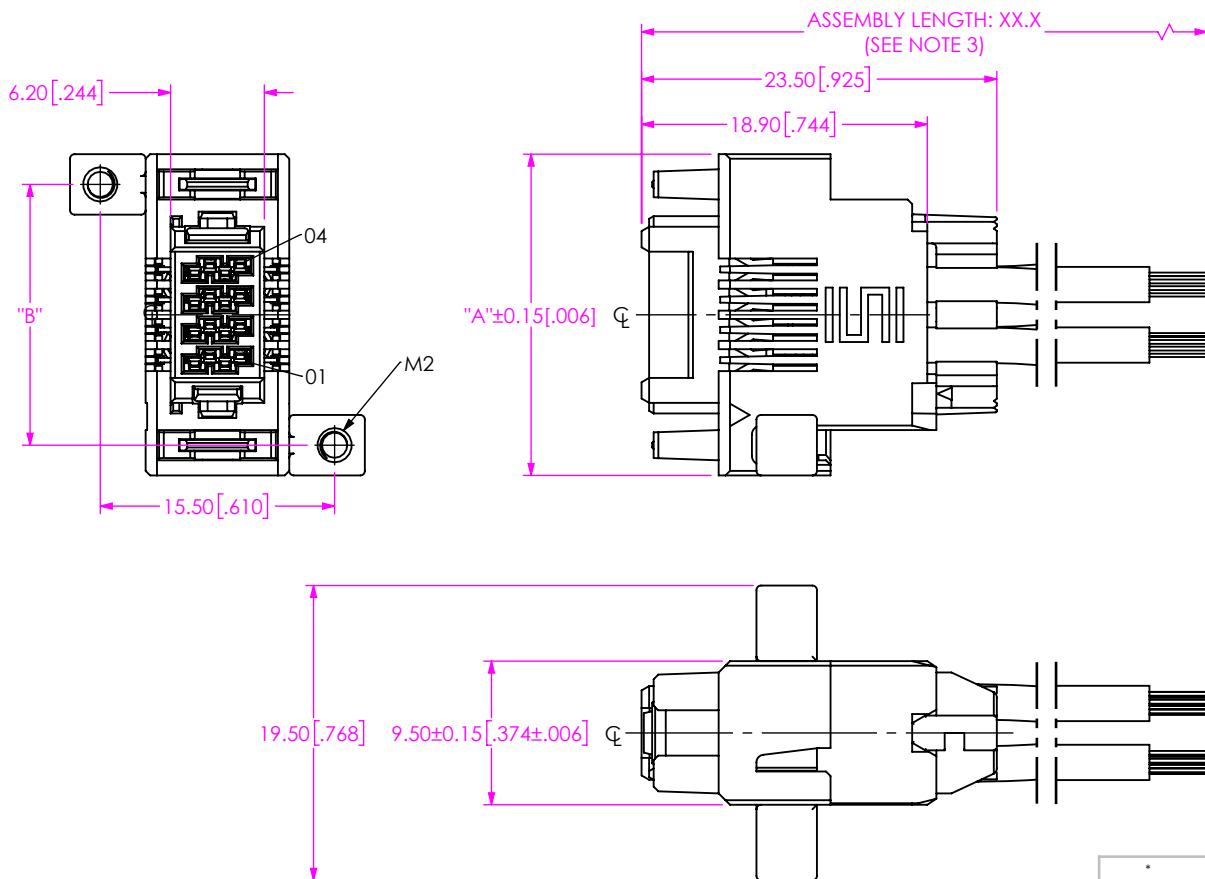


TABLE 1		
No. OF POS	"A"	"B"
-02	17.25 [.679]	13.25 [.522]
-03	19.25 [.758]	15.25 [.600]
-04	21.25 [.837]	17.25 [.679]
-05	23.25 [.915]	19.25 [.758]
-06	25.25 [.994]	21.25 [.837]
-07	27.25 [1.073]	23.25 [.915]
-08	29.25 [1.152]	25.25 [.994]
-09	31.25 [1.230]	27.25 [1.073]
-10	33.25 [1.309]	29.25 [1.152]

NOTES:

1. ALL ASSEMBLIES TO BE 100% ELECTRICALLY TESTED FOR SHORTS AND OPENS.
2. ALL FINISHED GOODS ARE TO BE ELECTRICAL TESTED INCLUDING HI-POT TEST @ 1000 VOLTS DC. AFTER FINAL ELECTRICAL TEST, MARK EACH ASSEMBLY PER INSTRUCTIONS REFERENCED IN CO-{AD-ID}-WI-3092-M.
3. FOR LENGTHS LESS THAN 12 IN, TOLERANCE SHALL BE ±.125. FOR OTHER LENGTHS, TOLERANCES SHALL BE ±2%.
4. SUPPORT 13-21 GAUGE PANEL.
5. PARTS TO BE INDIVIDUALLY PACKAGED IN A ASBBLTXXXXX BUBBLE BAG.

FIG 1
UMPIX-04-X-XX-XX.X SHOWN

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

DO NOT SCALE DRAWING
SHEET SCALE: 2:1

DESCRIPTION:
2MM ULTRA MICRO POWER CABLE

DWG. NO.
UMPIX-XX-X-XXX-XX.X-XX

BY: JACK Z 09/23/2021 SHEET 1 OF 5

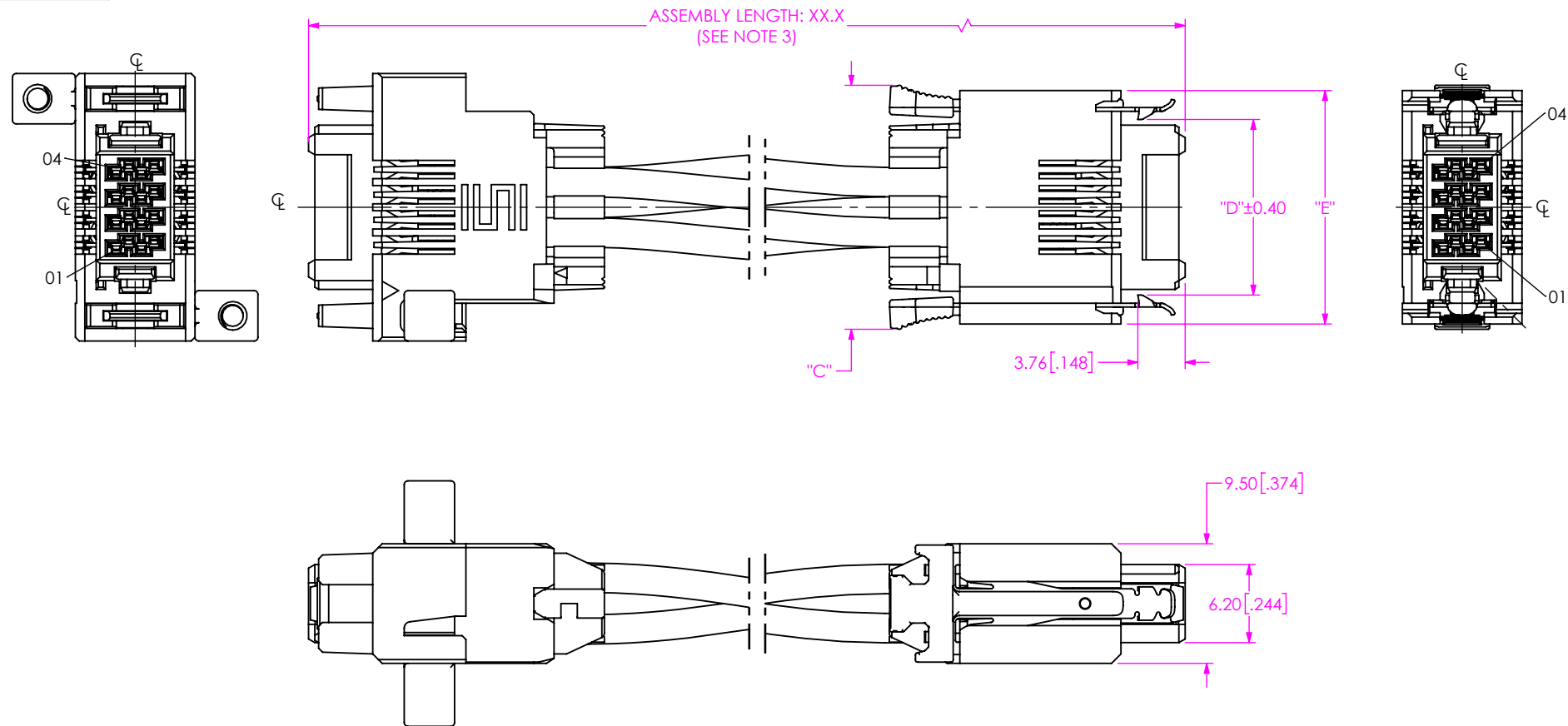


FIG 2
UMPIX-04-X-XX-XX.X-M1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

TABLE 2

No. OF POS	"C"	"D"	"E"	"F"
-02	15.38 [.606]	9.95 [.392]	14.55 [.573]	12.85 [.506]
-03	17.38 [.684]	11.95 [.470]	16.55 [.652]	14.85 [.585]
-04	19.38 [.763]	13.95 [.549]	18.55 [.730]	16.85 [.663]
-05	21.38 [.842]	15.95 [.628]	20.55 [.809]	18.85 [.742]
-06	23.38 [.920]	17.95 [.707]	22.55 [.888]	20.85 [.821]
-07	25.38 [.999]	19.95 [.785]	24.55 [.967]	22.85 [.900]
-08	27.38 [1.078]	21.95 [.864]	26.55 [1.045]	24.85 [.978]
-09	29.38 [1.157]	23.95 [.943]	28.55 [1.124]	26.85 [1.057]
-10	31.38 [1.235]	25.95 [1.022]	30.55 [1.203]	28.85 [1.136]

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	520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322	
	DO NOT SCALE DRAWING	DESCRIPTION: 2MM ULTRA MICRO POWER CABLE
	SHEET SCALE: 3:2	DWG. NO. UMPIX-XX-X-XXX-XX.X-XX
BY: JACK Z 09/23/2021		SHEET 2 OF 5

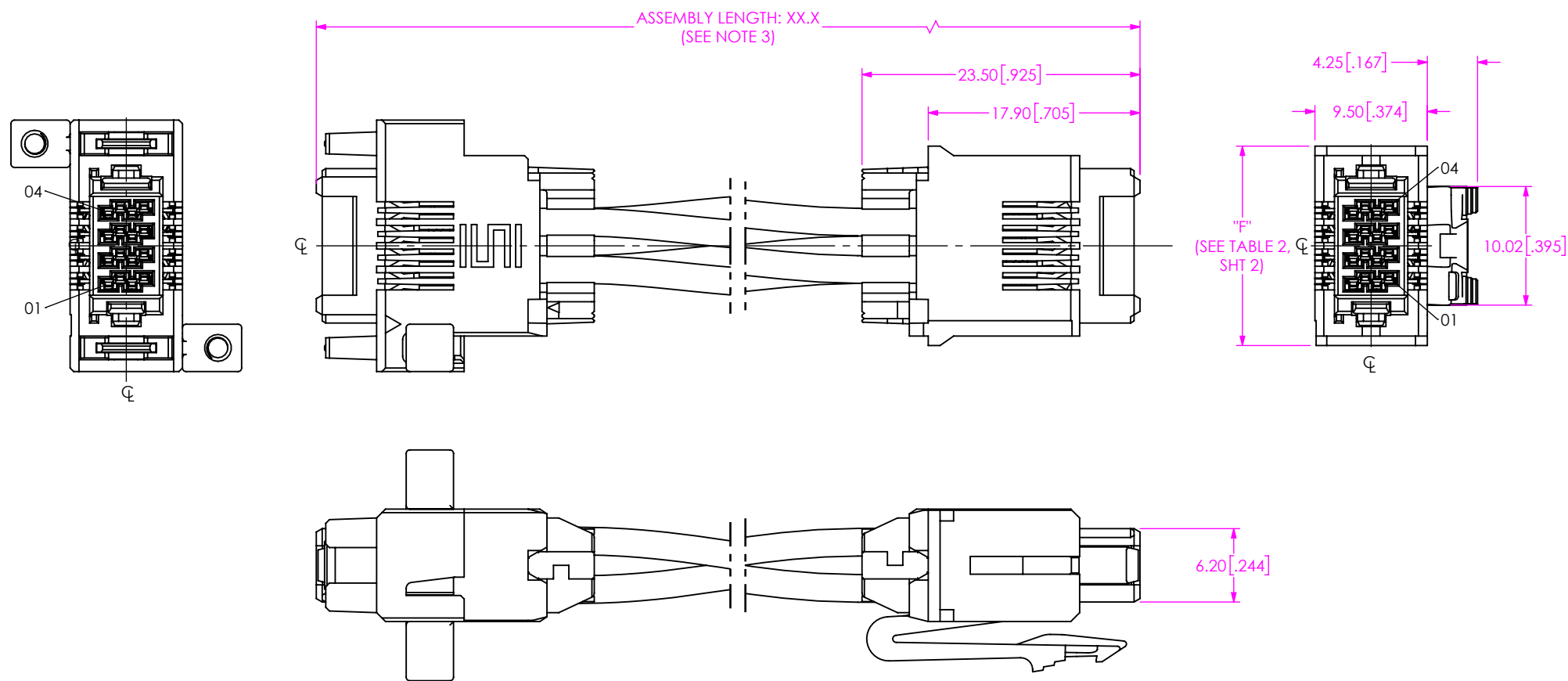


FIG 3
UMPIX-04-X-XX-XX.X-P1 SHOWN
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

UMPI 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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SHEET SCALE: 3:2

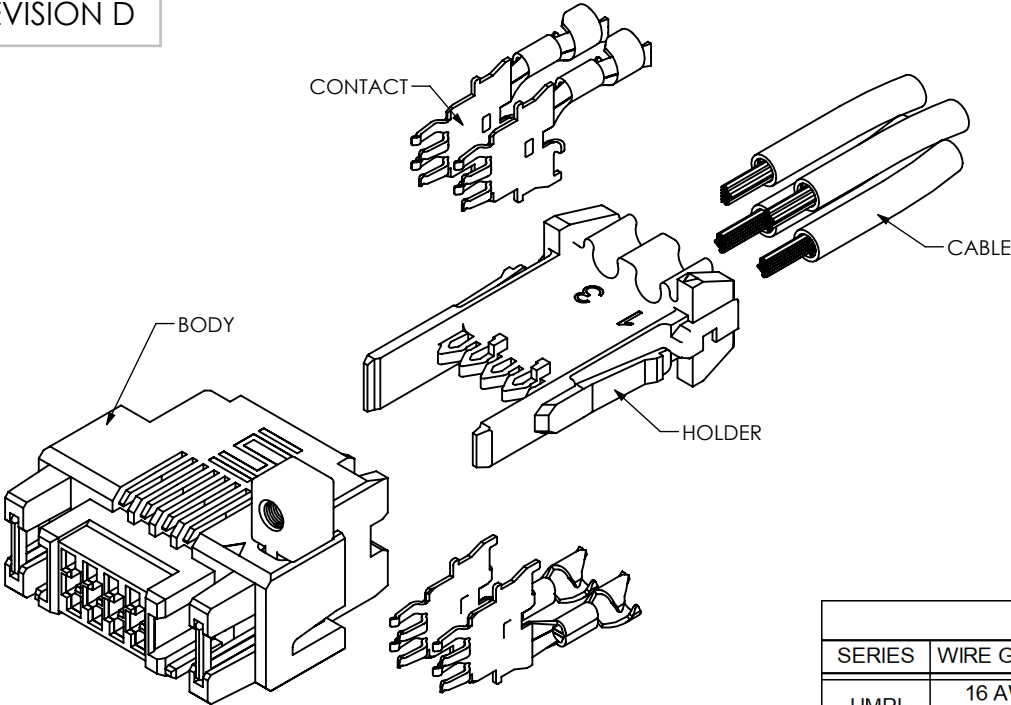
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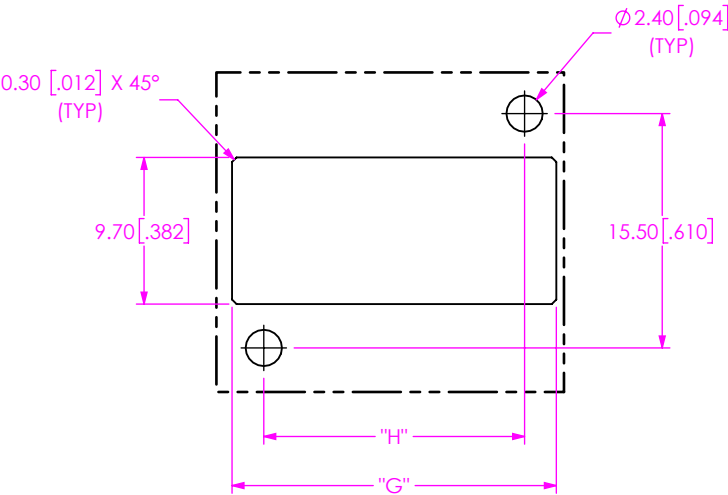
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UMPIX-XX-X-XXX-XX.X-XX

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EXPLODED VIEW

TABLE 4						
SERIES	WIRE GAUGE	VOLTAGE	BODY	HOLDER	CONTACT	CABLE
UMPI	16 AWG	300V	END 1: S-UMPI-XX-P1 END 2-MX: SUB-UMPC-XX-ML END 2-PX: UMPC-XX-P	UMPCC-XX-01	C-489-01-X	DWC-16-XX-300
	18 AWG			UMPCC-XX-02		DWC-18-XX-300
UMPIT	16 AWG	600V		UMPCC-XX-03	C-489-02-X	TBD
	18 AWG	300V		UMPCC-XX-04	C-489-03-X	SEE NOTE 11



RECOMMENDED PANEL CUTOUT

TABLE 3		
No. OF POS	"G"	"H"
-02	17.45 [.687]	13.25 [.522]
-03	19.45 [.766]	15.25 [.600]
-04	21.45 [.844]	17.25 [.679]
-05	23.45 [.923]	19.25 [.758]
-06	25.45 [1.002]	21.25 [.837]
-07	27.45 [1.081]	23.25 [.915]
-08	29.45 [1.159]	25.25 [.994]
-09	31.45 [1.238]	27.25 [1.073]
-10	33.45 [1.317]	29.25 [1.152]

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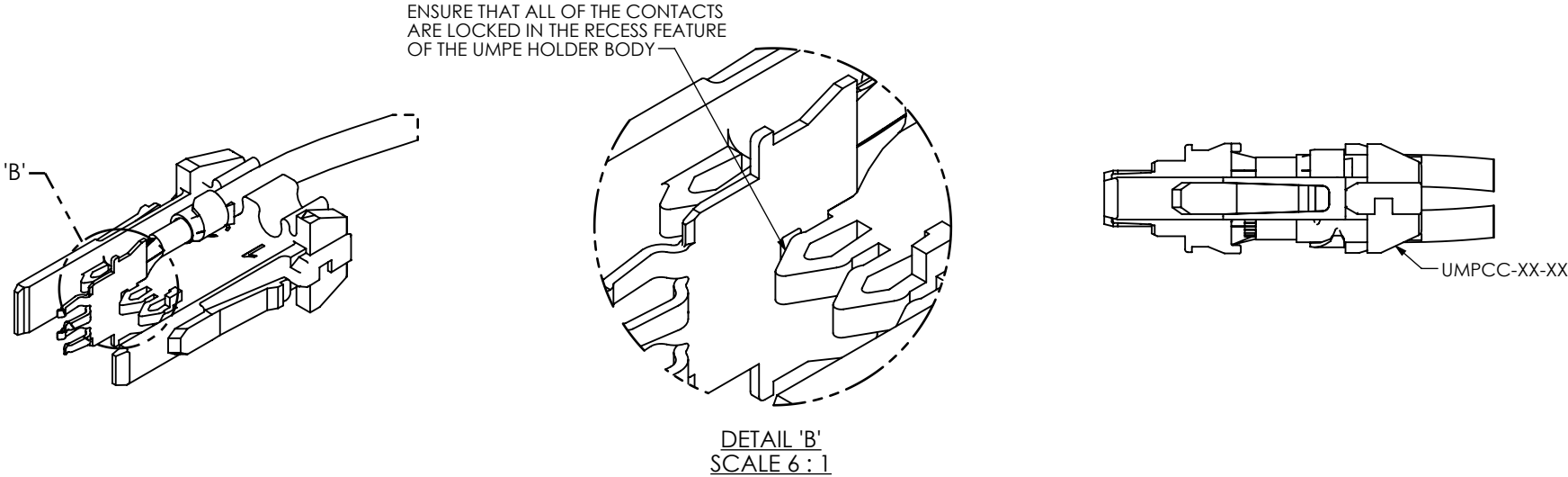


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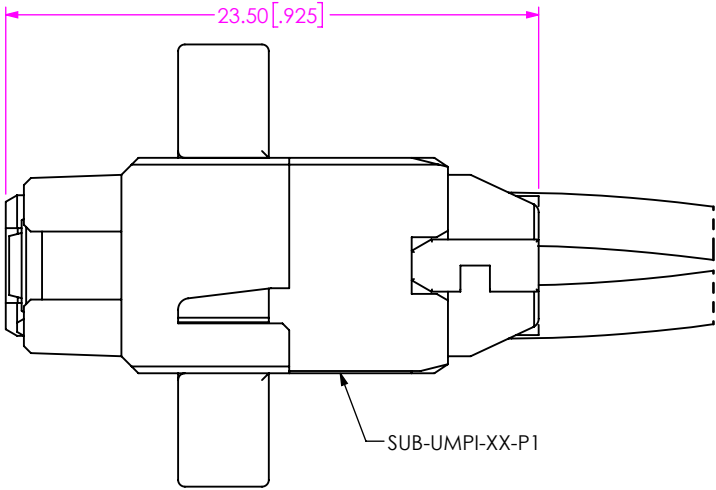
DESCRIPTION:
2MM ULTRA MICRO POWER CABLE

DWG. NO.
UMPIX-XX-X-XXX-XX.X-XX

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IN-PROCESS 1
CONTACT WITH CABLE AND HOLDER INSTALLATION



IN-PROCESS 2
BODY INSTALLATION

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