

## ULTRA MICRO POWER CABLE



SERIES	NO. OF POSITIONS	PLATING OPTION	WIRE GAUGE	LATCH OPTION	LENGTH	PINOUT
<b>UMPC</b> = Ultra Micro PVC Cable	<b>-02, -03, -04, -05, -06, -07, -08, -09, -10</b>	<b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Tin on tail	<b>-16</b> = 16 AWG	(Latching required)	<b>-"XX.X"</b> = Assembled Length in Inches	(Leave blank for Single ended)
<b>UMPCT</b> = Ultra Micro Blue *Teflon™ Fluoropolymer Cable		<b>-S</b> = 30 μ" (0.76 μm) Gold on contact, Tin on tail	<b>-16C</b> = Color Coded Cable (UMPC only)	<b>-P</b> = Plastic top latch	PVC Cable Single ended = (76.2 mm) 03.0" min. Double ended = (101.6 mm) 04.0" min. (2-4 positions) Double ended = (127.0 mm) 05.0" min. (5-10 positions)	<b>-1</b> = Pin 01 to Pin 01
<b>UMPC(T)</b> Board Mates: UMPT (Plastic (-P) or metal (-M) latch required)		<b>-T</b> = Tin	<b>-18</b> = 18 AWG	<b>-M</b> = Metal side latches	Teflon™ Fluoropolymer Double ended = (228.6 mm) 09.0" min. (2-4 positions) Double ended = (254.0 mm) 10.0" min. (5-10 positions)	<b>-2</b> = Pin 01 to Pin N
			<b>-18C</b> = Color Coded Cable (UMPC only)			

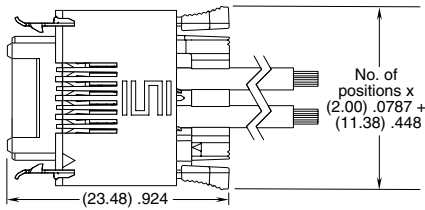
UMPC(T)  
PRELIMINARY

UMPC/UMPT (TIN PLATING)	
PINS	CURRENT RATING (PER CONTACT)
1	16.8 A
2	14.6 A
3	12.6 A
4	11.6 A
10	8.8 A

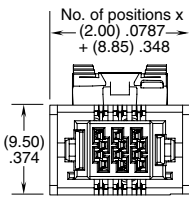
CABLE COLOR CODING	
PIN	COLOR
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	VIOLET
8	GRAY
9	WHITE
10	BLACK

### SPECIFICATIONS

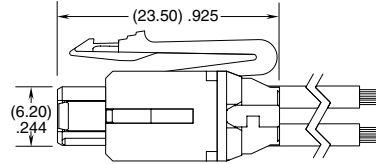
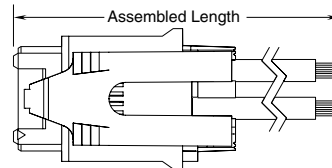
**Insulator Material:** Black LCP  
**Contact Material:** Copper Alloy  
**Plating:** Sn or Au over 50 μ" (1.27 μm) Ni  
**Wire:** 16 or 18 AWG  
**Voltage Rating:** 300V PVC



UMPC-04-X-XX-M-XX.X SHOWN



UMPC-03-X-XX-P-XX.X SHOWN



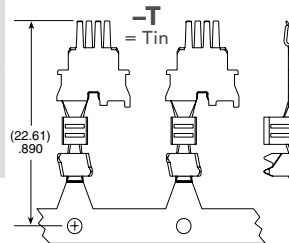
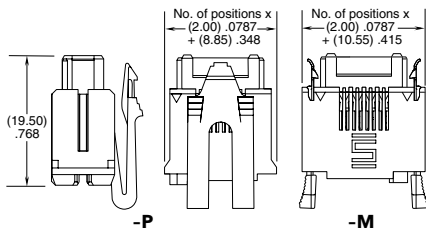
\*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

**Note:** For wiring option information refer to drawings on web.

View complete specifications at: [samtec.com?UMPC](http://samtec.com?UMPC) & [samtec.com?UMPC\(T\)](http://samtec.com?UMPC(T))

UMPC CABLE HOLDER (Required for use with IMPC)		
SERIES	NUMBER OF POSITIONS	LEAD STYLE
IMPC	-02, -03, -04, -05, -06, -07, -08, -09, -10	01 = 16 AWG
		02 = 18 AWG

IMPC	NO. OF POSITIONS	LATCH OPTION	CC489	01	PLATING	PACKAGING
	<b>-02, -03, -04, -05, -06, -07, -08, -09, -10</b>	<b>-P</b> = Plastic top latch			<b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Tin on tail	<b>-R</b> = Full Reel (5,000 Contacts)
		<b>-M</b> = Metal side latches			<b>-S</b> = 30 μ" (0.76 μm) Gold on contact, Tin on tail	<b>-M</b> = Mini Reel (1,000 Contacts)
					<b>-T</b> = Tin	<b>-B</b> = Bubble Bag (35 Contacts)



### TOOLING

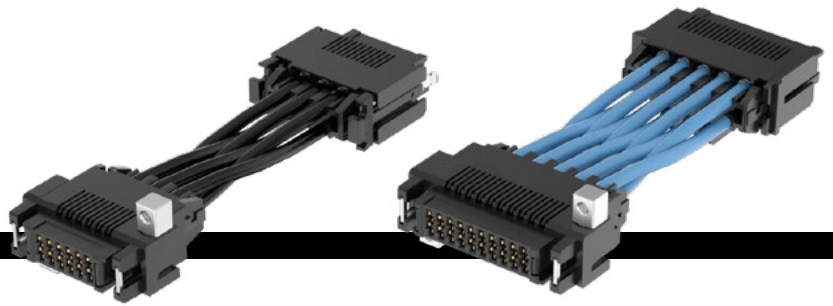
Hand Tool: CAT-HT-489-1618-13

Mini Applicator: CAT-MC-489-1618-XX-01

**Note:** Some lengths, styles and options are non-standard, non-returnable.

View complete specifications at: [samtec.com?IMPC](http://samtec.com?IMPC) & [samtec.com?CC489](http://samtec.com?CC489)

## ULTRA MICRO CABLE-TO-CABLE



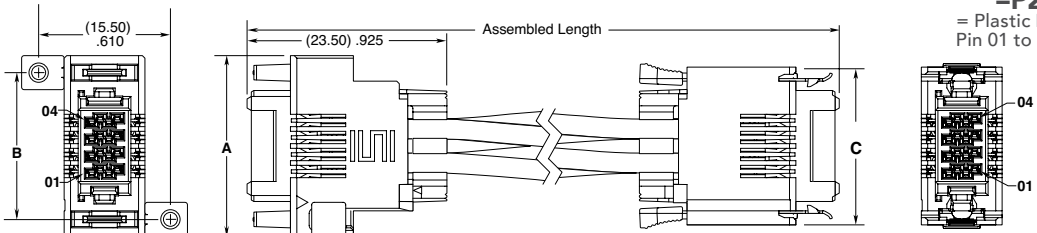
SERIES	NO. OF POSITIONS	PLATING OPTION	WIRE GAUGE	LENGTH	PINOUT
<b>UMPI</b> = Ultra Micro PVC Cable  <b>UMPIT</b> = Ultra Micro Blue *Teflon Fluoropolymer Cable	-02, -03, -04, -05, -06, -07, -08, -09, -10	<b>-L</b> = 10 μ" (0.25 μm) Gold on contact, Tin on tail  <b>-S</b> = 30 μ" (0.76 μm) Gold on contact, Tin on tail  <b>-T</b> = Tin	<b>-16</b> = 16 AWG  <b>-16C</b> = 16C AWG Color Coded Cable (not available with UMPIT)  <b>-18</b> = 18 AWG  <b>-18C</b> = 18C AWG Color Coded Cable (not available with UMPIT)	<b>"XX.X"</b> = Assembled Length in Inches  Single ended = (76.2 mm) 03.0" min.  Double ended = (101.6 mm) 04.0" min. (2-4 positions)  Double ended = (127.0 mm) 05.0" min. (5-10 positions)	(Leave blank for Single ended)  <b>-M1</b> = Metal Latch Pin 01 to Pin 10  <b>-M2</b> = Metal Latch Pin 01 to Pin N  <b>-P1</b> = Plastic Latch Pin 01 to Pin 10  <b>-P2</b> = Plastic Latch Pin 01 to Pin N

UMPIT PRELIMINARY

**UMPI(T)**  
Cable Mates:  
UMPE(T)  
End 2 Mates:  
UMPE(T), UMPT

### SPECIFICATIONS

**Insulator Material:** Black LCP  
**Contact Material:** Copper Alloy  
**Plating:** Sn or Au over 50 μ" (1.27 μm) Ni  
**Wire:** 16 or 18 AWG  
**Voltage Rating:** UMPI = 300 V, UMPIT (16 AWG) = 600 V, UMPIT (18 AWG) = 300 V



CABLE COLOR CODING	PIN	COLOR
1	BROWN	
2	RED	
3	ORANGE	
4	YELLOW	
5	GREEN	
6	BLUE	
7	VIOLET	
8	GRAY	
9	WHITE	
10	BLACK	

NO. OF POSITIONS	A	B	C
-02	(17.25) .679	(13.25) .522	(14.55) .573
-03	(19.25) .758	(15.25) .600	(16.55) .652
-04	(21.25) .837	(17.25) .679	(18.55) .730
-05	(23.25) .915	(19.25) .758	(20.55) .809
-06	(25.25) .994	(21.25) .837	(22.55) .888
-07	(27.25) 1.073	(23.25) .915	(24.55) .967
-08	(29.25) 1.152	(25.25) .994	(26.55) 1.045
-09	(31.25) 1.230	(27.25) 1.073	(28.55) 1.124
-10	(33.25) 1.309	(29.25) 1.152	(30.55) 1.203

\*Teflon™ is a trademark of The Chemours Company FC, LLC used under license by Samtec.

**Notes:** Teflon™ Fluoropolymer cable is intended for crimp only. Contact Samtec for solderable cable applications.

For wiring option information refer to drawings on web.

Some lengths, styles and options are non-standard, non-returnable

### UMPI CABLE HOLDER (Required for use with IMPC)

SERIES	NUMBER OF POSITIONS	LEAD STYLE
IMPC	-02, -03, -04, -05, -06, -07, -08, -09, -10	01 = 16 AWG
		02 = 18 AWG

View complete specifications at: [samtec.com?UMPI](http://samtec.com?UMPI) & [samtec.com?UMPIT](http://samtec.com?UMPIT)

IMPC	NO. OF POSITIONS	LATCH OPTION	CC489	01	PLATING	PACKAGING
------	------------------	--------------	-------	----	---------	-----------

-02, -03, -04, -05,  
-06, -07, -08, -09, -10

**-P1**  
= Panel Mount

**-L**  
= 10 μ" (0.25 μm) Gold on contact, Tin on tail

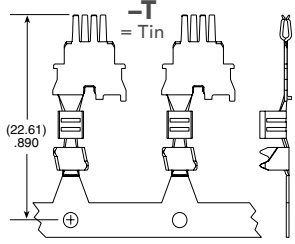
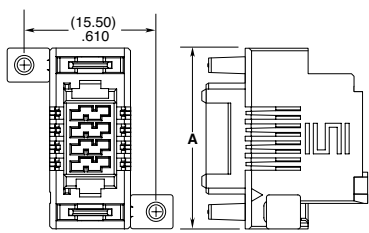
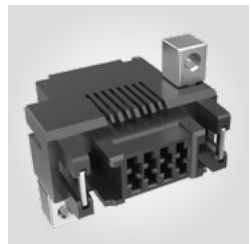
**-R**  
= Full Reel (5,000 Contacts)

**-S**  
= 30 μ" (0.76 μm) Gold on contact, Tin on tail

**-M**  
= Mini Reel (1,000 Contacts)

**-T**  
= Tin

**-B**  
= Bubble Bag (35 Contacts)



### TOOLING

Hand Tool: CAT-HT-489-1618-13

Mini Applicator: CAT-MC-489-1618-XX-01

View complete specifications at: [samtec.com?IMPC](http://samtec.com?IMPC) & [samtec.com?CC489](http://samtec.com?CC489)

**Note:** Some lengths, styles and options are non-standard, non-returnable.