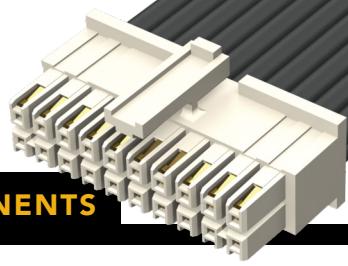


# miniMATE®

(2.54 mm) .100" PITCH • WIRE TO BOARD ASSEMBLY/COMPONENTS



SERIES	PINS PER ROW	WIRE GAUGE	PLATING OPTION	ASSEMBLY LENGTH	END OPTION	K	LATCH OPTION
<b>MMSD</b> = Double Row PVC Cable	<b>-02, -03, -04, -05, -06, -08, -10, -12, -15, -16, -20, -25</b> (Standard sizes)	<b>-20</b> <b>-20C</b> = Color Coded Cable (MMSD & MMSS only)	<b>-F</b> = Gold flash on contact, Tin on tail	<b>-"XX.XX"</b> = Assembly Length in Inches (82.55 mm) 03.25" min.	<b>-S</b> = Single Ended	<b>-K</b> = Keyed Polarization	(Metal latches for more rugged environments; -02, -05 & -10 positions only)
<b>MMSDT</b> = Double Row Blue *Teflon™ Fluoropolymer Cable (20, 24, 28, 30 AWG only)			<b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Tin on tail		<b>-D</b> = Double Ended (Latch Required)	<b>-M</b> = Single Ended, Metal Latches (Leave blank for plastic)	
<b>MMSS</b> = Single Row PVC Cable		<b>-22, -24</b> <b>-24C</b> = Color Coded Cable (MMSD & MMSS only)					Double Ended (-D) Crossed requires MMSD/MMSDT
<b>MMSST</b> = Single Row Blue *Teflon™ Fluoropolymer Cable (20, 24, 28, 30 AWG)		<b>-26, -28</b> <b>-28C</b> = Color Coded Cable (MMSD & MMSS only)				<b>-LUS</b> = Plastic Latch up, straight	
<b>MMSD, MMSDT, MMSS, MMSST</b> Board Mates: IPL1 (Does not mate with IPT1) Cable Mates: MMTD(T), MMTS(T)		<b>-30</b>				<b>-LDS</b> = Plastic Latch down, straight	

## SPECIFICATIONS

### Insulator Material:

Nylon 66

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni

### Operating Temp Range:

-10 °C to +80 °C (PVC)  
-40 °C to +125 °C (\*Teflon™)

### Current Rating:

4.8 A (2 pins powered)

### Voltage Rating:

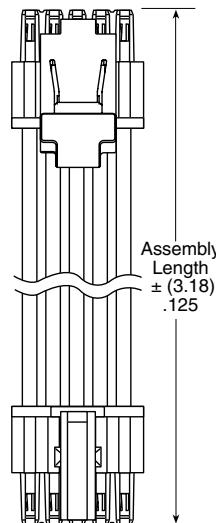
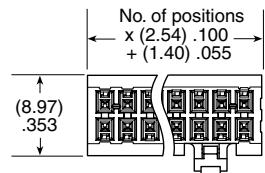
275 VAC/389 VDC

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

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

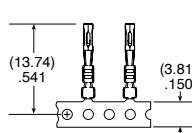
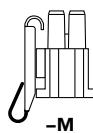
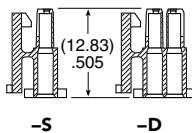
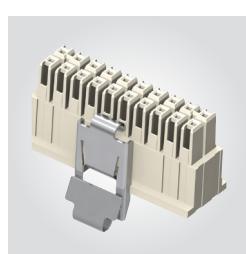
### -20C, -24C, -28C CABLE COLOR CODING

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



View complete specifications at: [samtec.com?MMSD](http://samtec.com?MMSD), [samtec.com?MMSDT](http://samtec.com?MMSDT), [samtec.com?MMSS](http://samtec.com?MMSS) & [samtec.com?MMSST](http://samtec.com?MMSST)

IPD1	POSITIONS PER ROW	ROW OPTION	K	LATCH OPTION	SERIES	WIRE GAUGE	01	PLATING OPTION
	<b>-02, -03, -04, -05, -06, -08, -10, -12, -15, -16, -20, -25</b> (Standard sizes)	<b>-S</b> = Single Row	<b>-K</b> = Keyed Polarization	<b>-M</b> = Metal Latch (Metal for more rugged environments) (-02, -05 & -10 positions only) (Leave blank for plastic latch)	<b>CC79L</b> = Contact, Loose	<b>-2630</b> = 26 to 30 AWG	<b>-F</b> = Gold flash on contact, Tin on tail	
		<b>-D</b> = Double Row			<b>CC79R</b> = Contact, Full Reel (12,000 Parts per Reel)	<b>-2024</b> = 20 to 24 AWG	<b>-L</b> = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Tin on tail	



## TOOLING

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

Hand Tool: CAT-HT-179-2030-13 (20-30 AWG)

Mini Applicator: CAT-MC-179-2024-XX-01 (20-24 AWG)

Mini Applicator: CAT-MC-179-2630 XX-01 (26-30 AWG)

Extraction Tool: CAT-EX-179-01

View complete specifications at: [samtec.com?IPD1](http://samtec.com?IPD1), [samtec.com?CC79L](http://samtec.com?CC79L) & [samtec.com?CC79R](http://samtec.com?CC79R)