

# Build Your Own M23 Connector Assembly

TYPE	INSERT LAYOUT	END 1			END 2			CABLE PART NO.	UNIT OF MEASURE	LENGTH
		CONNECTOR STYLE	LOCKING STYLE	BODY STYLE	CONNECTOR STYLE	LOCKING STYLE	BODY STYLE			
<b>M23</b>	<b>P8</b>	<b>A</b>	<b>T</b>	<b>A</b>	<b>B</b>	<b>T</b>	<b>A</b>	<b>60021</b>	<b>F</b>	<b>025</b>
<b>M23 =</b> M23 Connector Assembly	(See chart on next page)	<b>Straight Plug</b> A = Male B = Female	T = Threaded	A = Overmolded	<b>Straight Plug</b> A = Male B = Female	T = Threaded	A = Overmolded	List TPC <b>Part Number</b> or <b>PT</b> for Pigtails on a Panel Mount Receptacle	M = Meters F = Feet A = Inches	Enter a three digit code in the box above  Example: <b>5</b> = "005" <b>50</b> = "050" <b>500</b> = "500"
			B = Twist-Lock (Bayonet)			B = Mechanical	<b>90° Plug</b> C = Male D = Female			
		X = None		X = None						
			<b>Straight In-Line Receptacle</b> E = Male F = Female		<b>Straight In-Line Receptacle</b> E = Male F = Female	<b>No Connector</b> X = None				
		<b>90° In-Line Receptacle</b> G = Male H = Female		<b>Panel Mount Receptacle</b> J = Male K = Female						
			<b>Panel Mount Receptacle (Internal Thread)</b> L = Male M = Female		<b>90° Panel Mount Receptacle</b> N = Male P = Female					

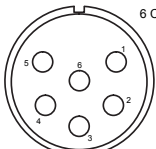
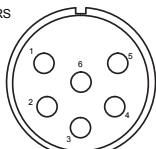
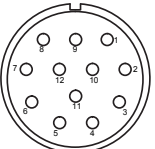
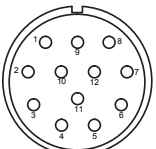

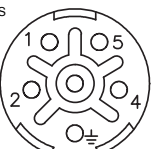
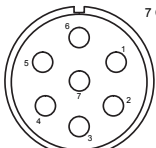
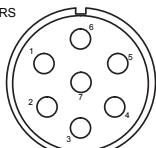
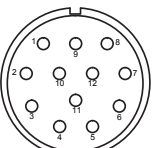
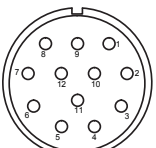
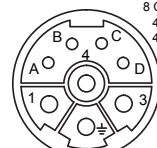
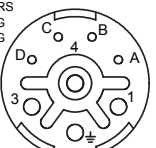
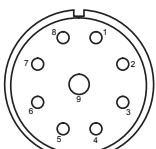
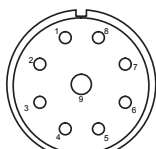
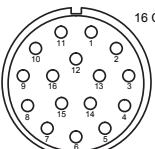
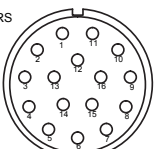
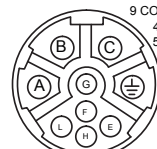
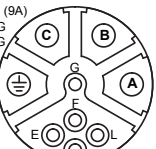
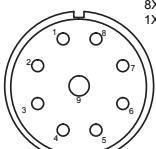
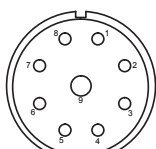
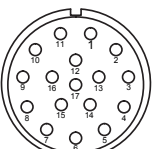
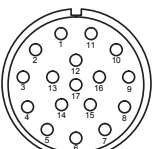
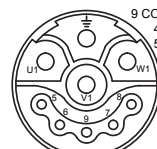
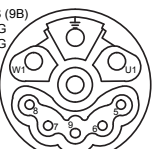
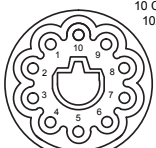
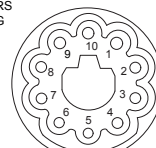
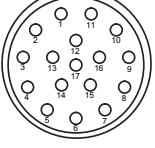
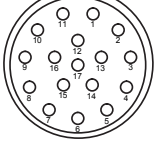
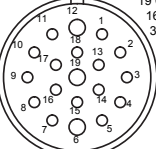
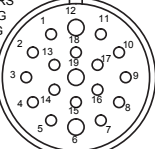
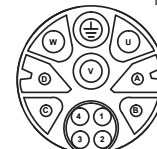
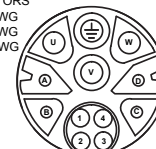
In the sample part number above, **M23P8ATABTA60021F025** is a double ended molded M23 connector assembly using 14/4 Trex-Onics® Servo Motor Drive Cable (#60021) and is 25 feet long. End 1 is an overmolded male straight plug with a threaded locking style and End 2 is an overmolded female straight plug with a threaded locking style.

**\* The smart part numbering system is for standard pinouts (pin to pin) assemblies only. For custom pinouts please contact your TPC sales representative to get your custom part number and drawing created today!**

Mini Quick-Connects™  
Micro Quick-Connects™  
Nano Quick-Connects™  
Specialty Quick-Connects™  
Ethernet Cable Assemblies  
7 Pin Molded Valve Plug  
DIN Connectors  
Extension Cords  
M23 Connector Assemblies  
Military Connectors  
Rectangular Connectors

Mini Quick-Connects™  
 Micro Quick-Connects™  
 Nano Quick-Connects™  
 Specialty Quick-Connects™  
 Ethernet Cable Assemblies  
 7 Pin Molded Valve Plug  
 DIN Connectors  
 Extension Cords  
 M23 Connector Assemblies  
 Military Connectors  
 Rectangular Connectors

# Build Your Own M23 Connector Assembly *(continued)*

SIGNAL				POWER									
 6 CONDUCTORS 18-14 AWG M23 6 POLE MALE CLOCKWISE MATING FACE VIEW S6		 6 CONDUCTORS 18-14 AWG M23 6 POLE FEMALE CLOCKWISE MATING FACE VIEW		 12 CONDUCTORS 28-16 AWG M23 12 POLE MALE CLOCKWISE MATING FACE VIEW S12A		 12 CONDUCTORS 28-16 AWG M23 12 POLE FEMALE CLOCKWISE MATING FACE VIEW		 6 CONDUCTORS 18-12 AWG (5 POLE+PE) 6 POLE M23 POWER MALE MATING FACE VIEW P6		 6 CONDUCTORS 18-12 AWG (5 POLE+PE) 6 POLE M23 POWER FEMALE MATING FACE VIEW			
 7 CONDUCTORS 18-14 AWG M23 7 POLE MALE CLOCKWISE MATING FACE VIEW S7		 7 CONDUCTORS 18-14 AWG M23 7 POLE FEMALE CLOCKWISE MATING FACE VIEW		 12 CONDUCTORS 28-16 AWG M23 12 POLE MALE COUNTER CLOCKWISE MATING FACE VIEW S12B		 12 CONDUCTORS 28-16 AWG M23 12 POLE FEMALE COUNTER CLOCKWISE MATING FACE VIEW		 8 CONDUCTORS 4x 18-12 AWG 4x 26-17 AWG (7 POLE+PE) 8 POLE M23 POWER MALE MATING FACE VIEW P8		 8 CONDUCTORS 4x 18-12 AWG 4x 26-17 AWG (7 POLE+PE) 8 POLE M23 POWER FEMALE MATING FACE VIEW			
 9 CONDUCTORS 8X 28-16 AWG 1X 18-14 AWG M23 9 POLE MALE CLOCKWISE MATING FACE VIEW S9A		 9 CONDUCTORS 8X 28-16 AWG 1X 18-14 AWG M23 9 POLE FEMALE CLOCKWISE MATING FACE VIEW		 16 CONDUCTORS 28-16 AWG M23 16 POLE MALE CLOCKWISE MATING FACE VIEW S16		 16 CONDUCTORS 28-16 AWG M23 16 POLE FEMALE CLOCKWISE MATING FACE VIEW		 9 CONDUCTORS (9A) 4x 18-12 AWG 5x 26-17 AWG (8 POLE+PE) 9 POLE M23 POWER MALE MATING FACE VIEW P9A		 9 CONDUCTORS (9A) 4x 18-12 AWG 5x 26-17 AWG (8 POLE+PE) 9 POLE M23 POWER FEMALE MATING FACE VIEW			
 9 CONDUCTORS 8X 28-16 AWG 1X 18-14 AWG M23 9 POLE MALE COUNTER CLOCKWISE MATING FACE VIEW S9B		 9 CONDUCTORS 8X 28-16 AWG 1X 18-14 AWG M23 9 POLE FEMALE COUNTER CLOCKWISE MATING FACE VIEW		 17 CONDUCTORS 28-16 AWG M23 17 POLE MALE COUNTER CLOCKWISE MATING FACE VIEW S17A		 17 CONDUCTORS 28-16 AWG M23 17 POLE FEMALE COUNTER CLOCKWISE MATING FACE VIEW		 9 CONDUCTORS (9B) 4x 18-12 AWG 5x 26-17 AWG (8 POLE+PE) 9 POLE M23 POWER MALE MATING FACE VIEW P9B		 9 CONDUCTORS (9B) 4x 18-12 AWG 5x 26-17 AWG (8 POLE+PE) 9 POLE M23 POWER FEMALE MATING FACE VIEW			
 10 CONDUCTORS 10X 26-17 AWG M23 10 POLE MALE MATING FACE VIEW S10		 10 CONDUCTORS 10X 26-17 AWG M23 10 POLE FEMALE MATING FACE VIEW		 17 CONDUCTORS 28-16 AWG M23 17 POLE MALE COUNTER CLOCKWISE MATING FACE VIEW S17B		 17 CONDUCTORS 28-16 AWG M23 17 POLE FEMALE COUNTER CLOCKWISE MATING FACE VIEW							
		 19 CONDUCTORS 16X 28-16 AWG 3X 26-17 AWG M23 19 POLE MALE COUNTER CLOCKWISE MATING FACE VIEW S19		 19 CONDUCTORS 16X 28-16 AWG 3X 26-17 AWG M23 19 POLE FEMALE COUNTER CLOCKWISE MATING FACE VIEW						 12 CONDUCTORS 4x 18-12 AWG 4x 28-16 AWG 4x 20-24 AWG M23 12 POLE MALE HYBRID MATING FACE VIEW H12		 12 CONDUCTORS 4x 18-12 AWG 4x 28-16 AWG 4x 20-24 AWG M23 12 POLE FEMALE HYBRID MATING FACE VIEW	