

# MAXIMUM SOLUTIONS

## New Crimp Pins from Mill-Max



Mill-Max is pleased to announce the addition of new crimp pins to our selection of wire termination products. These new pins are commercial-off-the-shelf (COTS) equivalents to the popular Mil-Spec M39029 crimp pins. If your application does not require Mil-Spec components but demands the same reliability and form factor, then these pins will fit the bill perfectly.

There are five new terminals to choose from, all precision-machined to the highest quality and available in both gold and tin plating options. Each of the pins has an inspection hole for viewing the wire during the crimping process and for promoting plating coverage inside the crimp hole. Table 1 below provides details of the pin size, wire accommodation size, Mill-Max part numbers & the associated Mil-Spec part numbers. The Mill-Max part numbers in Table 1 specify 10 micro inch gold plating. These pins are also available with 50 micro inch gold or 200 micro inch tin plate finish. Each plating option has a nickel under-plate.

**Table 1**

<b>Mill-Max Part #</b>	<b>Military Part #*</b>	<b>Wire Accommodation</b>	<b>Mating Pin Size</b>
3922-0-01-15-00-00-08-0	M39029/58-360	22 - 28 AWG	22
3920-0-01-15-00-00-08-0	M39029/58-363	20 - 24 AWG	20
3916-0-01-15-00-00-08-0	M39029/58-364	16 - 20 AWG	16
3914-0-01-15-00-00-08-0	M39029/1-102	14 - 16 AWG	14
3912-0-01-15-00-00-08-0	M39029/58-365	12- 14 AWG	12

\*The Mill-Max pins are dimensionally equivalent to the military parts but do not have color bands.

These crimp pins are ideal components for making up cable assemblies. Since they conform to the dimensions of the Mil-Spec parts, the same crimp tooling can be used to terminate the wires.

Table 2 provides the Daniels Manufacturing crimp tooling information for these pins.

**Table 2**

<b>Mill-Max Crimp Pin Part #</b>	<b>Wire Accommodation (AWG)</b>	<b>Daniels Crimp Tool #</b>	<b>Corresponding Daniels Positioner #</b>
3922-0-01-XX-00-00-08-0	22, 24, 26, 28	AFM8 MH860	K42 86-6
3920-0-01-XX-00-00-08-0	20, 22, 24	MH860 AFM8 AF8	86-7 K43 TH163 RED
3916-0-01-XX-00-00-08-0	16, 18, 20	AF8 MH860	TH163 BLUE 86-3
3914-0-01-XX-00-00-08-0	14, 16	AF8	TH163 BLUE / YELLOW
3912-0-01-XX-00-00-08-0	12, 14	AF8	TH163 YELLOW

For more information, please visit [www.mill-max.com/PR644](http://www.mill-max.com/PR644).

# MALE PCB PINS

## CRIMP PINS FOR 12-28 AWG WIRE

<p><b>3922</b> 3922-0-01-XX-00-00-08-0 Wire crimp termination. Accepts wire sizes 22 AWG Max. / 28 AWG Min.</p> <p>Dimensions per M39029/58-360</p>	<p><b>3920</b> 3920-0-01-XX-00-00-08-0 Wire crimp termination. Accepts wire sizes 20 AWG Max. / 24 AWG Min.</p> <p>Dimensions per M39029/58-363</p>	<p><b>3916</b> 3916-0-01-XX-00-00-08-0 Wire crimp termination. Accepts wire sizes 16 AWG Max. / 20 AWG Min.</p> <p>Dimensions per M39029/58-364</p>	<p><b>3914</b> 3914-0-01-XX-00-00-08-0 Wire crimp termination. Accepts wire sizes 14 AWG Max. / 16 AWG Min.</p> <p>Dimensions per M39029/1-102</p>
<p><b>3912</b> 3912-0-01-XX-00-00-08-0 Wire crimp termination. Accepts wire sizes 12 AWG Max. / 14 AWG Min.</p> <p>Dimensions per M39029/58-365</p>			

### SPECIFICATIONS:

**Pin Material:** Brass Alloy 360, 1/2 Hard  
(Annealed)

**Dimensions:** Inches

**Tolerances On:** Lengths:  $\pm .005$   
Diameters:  $\pm .002$   
Angles:  $\pm 2^\circ$



**ORDER CODE:** 39XX - X - 01 - XX - 00 - 00 - 08 - 0

**BASIC PART #**

**SPECIFY PIN FINISH:**

- 01 200  $\mu$ " TIN/LEAD OVER NICKEL
- ◆ 80 200  $\mu$ " TIN OVER NICKEL (RoHS)
- ◆ 15 10  $\mu$ " GOLD OVER NICKEL (RoHS)
- ◆ 21 20  $\mu$ " GOLD OVER NICKEL (RoHS)
- ◆ 34 50  $\mu$ " GOLD OVER NICKEL (RoHS)



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