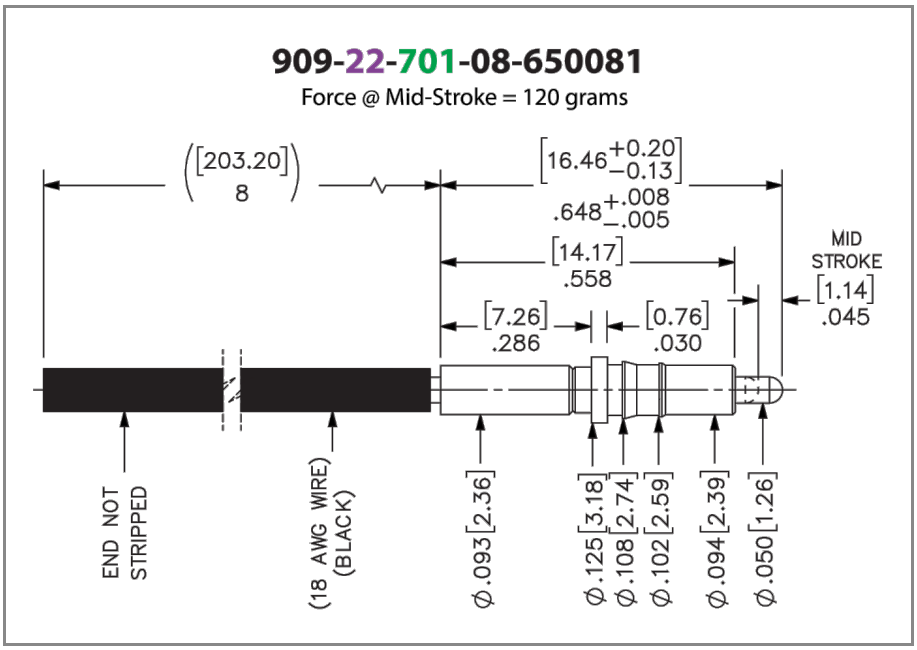
PRODUCT NUMBER: 909-22-701-08-650081

www.mill-max.com
DATA SHEET





	General Information	
1	**Product Lifecycle:**	Active
	Product Family:	Spring-Loaded Cable Assembly
	Type:	Crimped Wire Cable Assembly
2	**Description:**	Wire Termination Spring-Loaded Header
	Description2:	Pre-Wired with 8" 18 AWG Black Stranded Wire
	Number of Pins:	1
	Head Type:	Plunger
	Tail Type:	Wired
3	**Operating Temperature Range:**	-55/+125° C
	Country of Origin:	USA
4	**ROHS:**	Yes

909-22-701-08-650081 - SPECIFICATIONS

Product Attributes	
Plating Code:	22 - Body/Plunger Plating: 20µ" Gold - Spring Plating: 10µ" Gold
5 Spring Number:	82 - High Force Stainless Steel
Plunger Type:	Round
Stroke:	.090" (2,286mm)
Mid Stroke:	0.0275
Wire Color:	Black
Wire Gauge:	18 AWG
Wire Length:	8" (203,2mm)

Key Dimensions	
Above Board Height:	.157" (3,988mm)
Head Diameter:	.042" (1,067mm)

Electrical Specifications	
6 Current Rating (Amps):	12 Amps
Contact Resistance:	20.00mΩ Max

Mechanical Specifications	
Mechanical life (Durability):	100,000 to 1,000,000 Cycles @ Mid-Stroke

Mounting Specifications	
Mounting Type:	Wire Termination - Crimp Type

Environmental & Export Classifications	
Cage Code:	3N087
ECCN:	Contact Factory
HTSUS:	8536.90.4040
Moisture Sensitivity Level (MSL):	1 (Unlimited)
Prop 65:	N
REACH Status:	REACH Unaffected
Special Handling Code:	UNDF
Static Sensitive:	N

Packaging Information	
7 **Packaging:**	Packaged in Box or Tube

NOTES:

1. Part is Active and in Production, No Scheduled Obsolescence
2. **Standard Tolerances**
   Assembly tolerance: +/-.010" (.25mm)
   Connector Length "L"

Connector Length "L"	Tolerance
L ≤ 2" (L ≤ 50.8 mm)	+/- .005" (+/- .127 mm)
2< L ≤ 3" (50.8 < L ≤ 76.2 mm)	+ .007/ - .006" (+ .178/ -.152 mm)
3< L ≤ 4" (76.2 < L ≤ 101.6 mm)	+ .009 / - .007" (+ .229 / - .178 mm)
4< L ≤ 5" (101.6 < L ≤ 127 mm)	+ .011 / - .008" (+ .279 / - .203 mm)
5< L ≤ 6.4" (127 < L ≤ 162.56 mm)	+ .013 / - .009" (+ .330 / - .229 mm)

   Insulator width: +/-.005 (.13mm)
   Insulator height: +/-.005 (.13mm)
   Co-planarity of SMT connectors: .005" (.13mm) up to 1" (25.4mm) in connector length
   Insulator Flatness: .005" (.13mm) up to 1" (25.4mm) in connector length
   Pin Length: +/-.006 (.15mm)
   Pin Diameter: +/-.002 (.051mm)
   Pin Angle: +/-2°
3. Per IEC 60512-11-(4,-9,-10,-12)
4. Mill-Max products labeled with the RoHS symbol are compliant with all three ROHS Directives. All of our products previously described as RoHS (2002/95/EC) and RoHS-2 (2011/65/EC) are also compliant with RoHS-3 (2015/863/EU).
5. Click the Link for Force vs. Travel and Current-Temperature Derating Curve
6. Maximum Current Per Pin = 12A @ 30˚ C Temp. Rise
7. Not all part numbers in the series may be packaged in tubes. Some specific part numbers may be packaged in a box.

ADDITIONAL NOTES AND SPECIFICATIONS

In the interest of improved design, quality and performance , Mill-Max reserves the right to make changes in its specifications without prior notice. Specifications and tolerances are provided wherever possible. The tolerance on dimensions of critical to function features is typically held tighter than the stated standard tolerances, such as press-fits, holes and lengths affecting the coplanarity of SMT products. Due to the wide variety of interconnects Mill-Max offers, the specific tolerances vary from product to product. If you need information regarding the tolerance of a particular part, please contact Technical Services.

RELATED LINKS AND DOCUMENTS

- Product Detail: 909-22-701-08-650081 - Wire Termination Spring-Loaded Header
- Engineering Notebook: **Introduction to Spring-Loaded Pogo Pins & Connectors**
- Engineering Notebook: **Pre-Wired Crimp Termination Cable Assemblies**
- Environmental Compliance: https://www.mill-max.com/rohs