

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0191640053**  
**Status:** **Active**  
**Description:** Perma-Seal™ Snap Plug Receptacle for 18-22 AWG Wire, Diameter 4.57mm (.180")

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Quick Disconnects
Series	<u>19164</u>
Crimp Quality Equipment	Yes
Product Name	Perma-Seal™
Type	Snap Receptacle

**Physical**

Barrel Type	Closed
Color - Resin	Natural
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Insulation	NiAc™
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Orientation	Straight
Packaging Type	Bag
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Tab Thickness	N/A
Tab Width	N/A
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	3.30mm (.130") max.
Wire Size AWG	18, 20, 22
Wire Size mm²	0.25 - 1.50

**Electrical**

CSA	LR18689
Voltage - Maximum	600V

**Material Info**

Old Part Number	SBRA-8180N
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**Reference - Drawing Numbers**

Sales Drawing	SD-19164-035
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image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**China RoHS**



**Search Parts in this Series**

[19164Series](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below.*

*Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

Hand Crimp Tool	<a href="#">0640014700</a>
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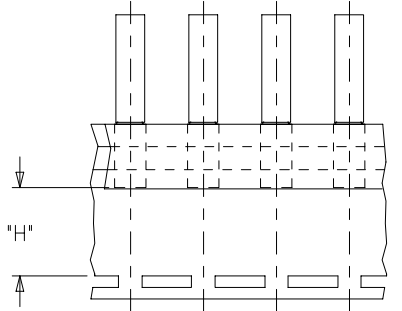
Crimp Head for the	<a href="#">0640054700</a>
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AT-200™ Pneumatic

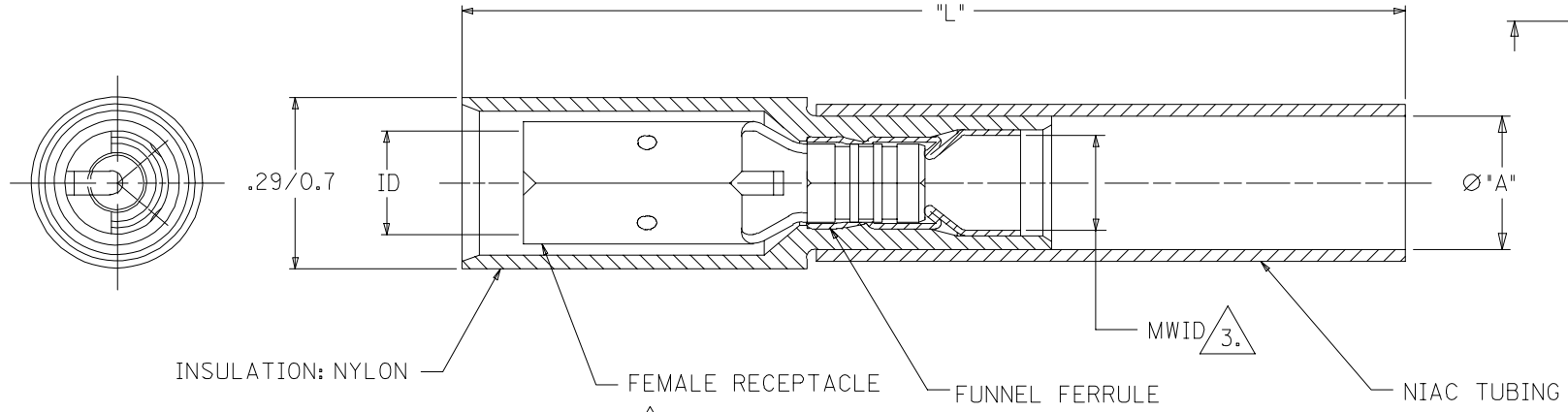
Hand Tool

MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER ON TAPE	ENGINEERING NUMBER ON TAPE	AWG	COLOR CODE	MWID	"ID" MIN	"L" MAX	"A" MIN	H ±.01/.3
191640052	SBRA-8156N	N/A	N/A	22-18	RED	.13/3.3	.156/3.96	1.58/40.1	.235/5.97	N/A
191640053	SBRA-8180N	N/A	N/A	22-18	RED	.13/3.3	.180/4.57	1.60/40.6	.235/5.97	N/A
191640054	SBRB-8156N	191640414	SBRB-8156NT	16-14	BLUE	.15/3.81	.156/3.96	1.60/40.6	.230/5.84	.39/9.9
191640055	SBRB-8180N	N/A	N/A	16-14	BLUE	.15/3.81	.180/4.57	1.60/40.6	.230/5.84	N/A

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PARTS ON TAPE



- NOTES:
- 1. TERMINAL MATERIAL: COPPER PLATING: TIN
  - 2. INSULATION MATERIAL: HEAT SHRINKABLE NIAC TUBING W/ HOT-MELT ADHESIVE INNER LINER
  - 3. MWID= MAXIMUM WIRE INSULATION DIAMETER

CHANGED "A" DIM EC NO: ETC2006-0154 DRWN: ASAYDEH 2005/12/21 CHKD: JLOMASTR 2005/12/21 APPR: JPAWLICK 2005/12/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	REVISE ON CAD ONLY
	DESCRIPTION	mm INCH	DIMENSION STYLE IN/MM		TITLE	
	▼ = 0	4 PLACES ± --- ± ---	DRAWN BY DATE BENDERLE 2004/09/08		FULLY INSULATED AVIKRIMP PERMA-SEAL BULLET RECEPT .156/3.96-.180/4.57 DIA.	
	▽ = 0	3 PLACES ± --- ± ---	CHECKED BY DATE R DEROSS 2004/09/08		MOLEX INCORPORATED	
	2 PLACES ± .25 ± .01	APPROVED BY DATE R DEROSS 2004/09/08		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-19164-035	SHEET NO. 1 OF 1
	1 PLACE ± .5 ± .02	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	ANGULAR ± .5 °					