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Part Number: 0190390004
Status: Active
Description: Avikrimp™ Snap Plug Receptacle for 18-22 AWG Wire, PVC, Fits Male Plug Diameter 4.57mm (.180")

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

Agency Certification

CSA LR18689
UL E152602

General

Product Family Quick Disconnects
Series 19039
Comments Fits Male Plug Dia. 4.57mm (.180")
Crimp Quality Equipment Yes
Product Name Avikrimp™
Type Snap Receptacle

Physical

Barrel Type Closed
Color - Resin Natural
Flammability 94V-0
Gender Female
Glow-Wire Compliant No
Insulation PVC
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin PVC
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 -40°C to +105°C
Termination Interface: Style Crimp or Compression
Wire Insulation Diameter 3.25mm (.128") max.
Wire Size AWG 18, 20, 22
Wire Size mm² 0.25 - 1.50

Electrical

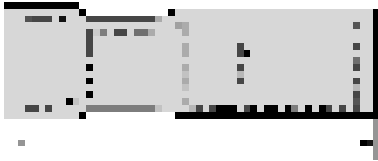
Voltage - Maximum Per Wire Specification

Material Info

Old Part Number BRA-8180

Reference - Drawing Numbers

Sales Drawing SD-19039-001



Series

image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email 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.

Search Parts in this Series
19039Series

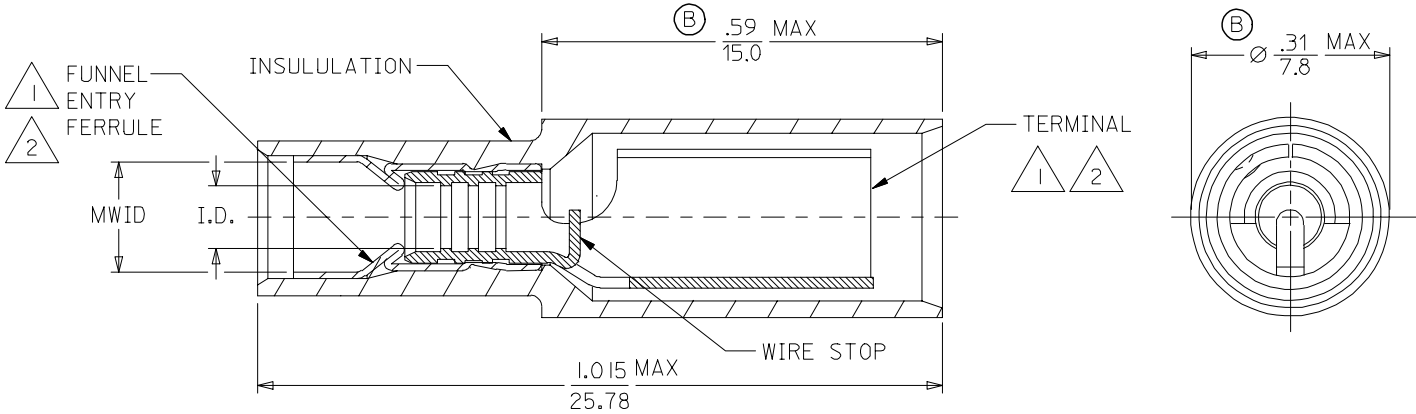
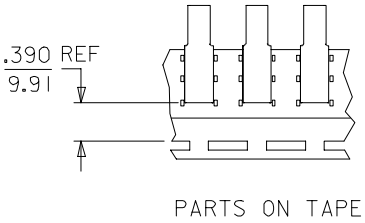
Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global	
Description	Product #
Hand Crimp Tool	0640012300
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640052300

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MATERIAL NUMBER	ENGINEERING NUMBER	TAPE MATERIAL NUMBER	TAPE ENGINEERING NUMBER	WIRE AWG	RANGE MM ²	INSULATION HOUSING MATERIAL	INSULATION COLOR	FITS MALE PLUG DIA.	I.D. MIN.	MWID MAX					
I90390001	BRA-8156	I90390026	BRA-8156T	22-18	0.25-1.3	PVC	RED	.156/(3.96)	.069/(1.75)	.128/(3.25)					
I90390002	BRA-8156N	I90390015	BRA-8156NT	22-18	0.25-1.3	NYLON	LIGHT RED	.156/(3.96)	.069/(1.75)	.128/(3.25)					
I90390003	BRA-8156NDK	---	---	22-18	0.25-1.3	NYLON	DARK RED	.156/(3.96)	.069/(1.75)	.128/(3.25)					
I90390004	BRA-8180	I90390029	BRA-8180T	22-18	0.25-1.3	PVC	RED	.180/(4.57)	.069/(1.75)	.128/(3.25)					
I90390005	BRA-8180N	I90390017	BRA-8180NT	22-18	0.25-1.3	NYLON	RED	.180/(4.57)	.069/(1.75)	.128/(3.25)					
I90390006	BRB-8156	I90390023	BRB-8156T	16-14	1.0-2.6	PVC	BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)					
I90390007	BRB-8156N	I90390016	BRB-8156NT	16-14	1.0-2.6	NYLON	LIGHT BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)					
I90390008	BRB-8156NDK	---	---	16-14	1.0-2.6	NYLON	DARK BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)					
I90390009	BRB-8180	I90390030	BRB-8180T	16-14	1.0-2.6	PVC	BLUE	.180/(4.57)	.091/(2.31)	.150/(3.81)					
I90390010	BRB-8180N	I90390018	BRB-8180NT	16-14	1.0-2.6	NYLON	BLUE	.180/(4.57)	.091/(2.31)	.150/(3.81)					



NOTES:

- 1. MATERIAL: BRASS
- 2. FINISH: ELECTRO-TIN PLATING
- 3. INSULATION MATERIAL: SEE CHART
- 4. MWID - MAXIMUM WIRE INSULATION DIAMETER

SALES DRAWING

REVISED DIMENSION	EC NO: ETC2005-0122	DRWN:BENDERLE CHKD:R DEROSS APPR:RDEROSS	2005/02/15 2005/02/15 2005/02/15	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
								IN/MM		NONE	INCH	◎ □			
								DRAWN BY DATE		AVIKRIMP FEMALE BULLET RECEPTACLE					
								BRE 2002/07/15							
								CHECKED BY DATE							
B	REV				▽=0 ▽C=0	mm INCH		HEB 2002/07/15		MOLEX INCORPORATED					
						4 PLACES ± --- ± ---		2 PLACES ± 0.13 ± .01							
						3 PLACES ± --- ± .005		1 PLACE ± 0.25 ± ---							
						2 PLACES ± 0.13 ± .01		APPROVED BY DATE							
						1 PLACE ± 0.25 ± ---		RWD 2002/07/15							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
								SIZE B		SD-19039-001		1 OF 1			
								THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							