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Part Number: [0190390017](#)
Status: **Active**
Description: Avikrimp™ Snap Plug Receptacle for 18-22 AWG Wire, Nylon, Fits Male Plug Diameter 4.57mm (.180"), Mylar Tape Carrier

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 Nylon (PA)
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Orientation Straight
 Packaging Type Adhesive Tape on Reel
 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

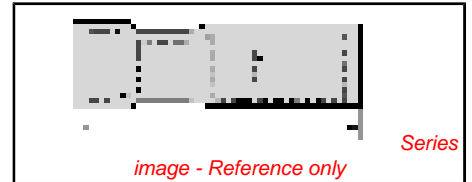
Voltage - Maximum 600V

Material Info

Old Part Number BRA-8180NT

Reference - Drawing Numbers

Sales Drawing SD-19039-001



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

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

[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 #**

Crimp Dies for [0192880033](#)

MTA-100 Tape

Applicator used in

3BF Press, MTA-105

Tape Applicator used

in TM-2000™ Press,

and ATP-301 Air

Crimping Press for

Mylar Tape Mounted

Terminals

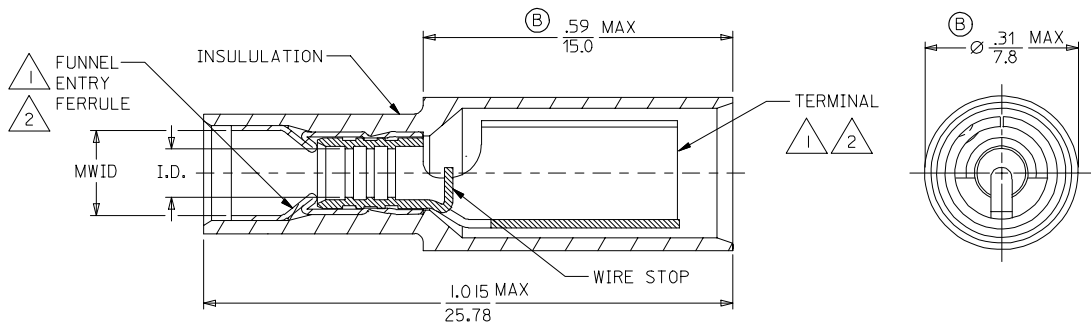
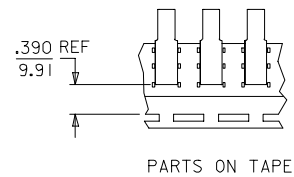
Mini-Mac™ [0638853600](#)

Applicator

This document was generated on 06/08/2010

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MATERIAL NUMBER	ENGINEERING NUMBER	TAPE MATERIAL NUMBER	TAPE ENGINEERING NUMBER	WIRE RANGE AWG	MM ²	INSULATION HOUSING MATERIAL	INSULATION COLOR	FITS MALE PLUG DIA.	I.D. MIN.	MWID MAX
190390001	BRA-8156	190390026	BRA-8156T	22-18	0.25-1.3	PVC	RED	.156/(3.96)	.069/(1.75)	.128/(3.25)
190390002	BRA-8156N	190390015	BRA-8156NT	22-18	0.25-1.3	NYLON	LIGHT RED	.156/(3.96)	.069/(1.75)	.128/(3.25)
190390003	BRA-8156NDK	---	---	22-18	0.25-1.3	NYLON	DARK RED	.156/(3.96)	.069/(1.75)	.128/(3.25)
190390004	BRA-8180	190390029	BRA-8180T	22-18	0.25-1.3	PVC	RED	.180/(4.57)	.069/(1.75)	.128/(3.25)
190390005	BRA-8180N	190390017	BRA-8180NT	22-18	0.25-1.3	NYLON	RED	.180/(4.57)	.069/(1.75)	.128/(3.25)
190390006	BRB-8156	190390023	BRB-8156T	16-14	1.0-2.6	PVC	BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)
190390007	BRB-8156N	190390016	BRB-8156NT	16-14	1.0-2.6	NYLON	LIGHT BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)
190390008	BRB-8156NDK	---	---	16-14	1.0-2.6	NYLON	DARK BLUE	.156/(3.96)	.091/(2.31)	.150/(3.81)
190390009	BRB-8180	190390030	BRB-8180T	16-14	1.0-2.6	PVC	BLUE	.180/(4.57)	.091/(2.31)	.150/(3.81)
190390010	BRB-8180N	190390018	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 DRAWN BY: BRE CHECKED BY: HEB APPROVED BY: RWD DATE: 2005/07/15 DATE: 2005/07/15 DATE: 2005/07/15	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE NONE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																											
	$\nabla=0$ $\sphericalangle=0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0005</td> </tr> <tr> <td>3 PLACES</td> <td>± .01</td> <td>± .001</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.13</td> <td>± .01</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.25</td> <td>± .01</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .01	± .001	2 PLACES	± 0.13	± .01	1 PLACE	± 0.25	± .01	<table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>BRE</td> <td>2002/07/15</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> <tr> <td>HEB</td> <td>2002/07/15</td> </tr> <tr> <td>APPROVED BY</td> <td>DATE</td> </tr> <tr> <td>RWD</td> <td>2002/07/15</td> </tr> </table>	DRAWN BY	DATE	BRE	2002/07/15	CHECKED BY	DATE	HEB	2002/07/15	APPROVED BY	DATE	RWD	2002/07/15	TITLE	AVIKRIMP FEMALE BULLET RECEPTACLE	
		mm	INCH																														
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DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.																												
REV			SIZE B	SD-19039-001	1 OF 1																												