

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0190120029
Status: Active
Description: Avikrimp™ Piggyback Quick Disconnect, Tab 6.35mm (.250") by 0.81mm (.032"), 18-22 AWG, Red Insulator, Loose

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

Agency Certification

CSA	LR18689
UL	E79133

General

Product Family	Quick Disconnects
Series	19012
Crimp Quality Equipment	Yes
Product Name	Avikrimp™
Type	Quick Disconnect

Physical

Barrel Type	Closed
Flammability	94V-2
Gender	Female
Glow-Wire Compliant	No
Insulation	Nylon (PA)
Lock to Mating Part	No
Orientation	Straight
Packaging Type	Bag
Polarized to Mating Part	Yes
Tab Thickness	0.81mm (.032")
Tab Width	6.35mm (.250")
Temperature Range - Operating	105°C
Wire Insulation Diameter	2.79mm (.110") max.
Wire Size AWG	18, 20, 22
Wire Size mm²	0.35 - 0.80

Electrical

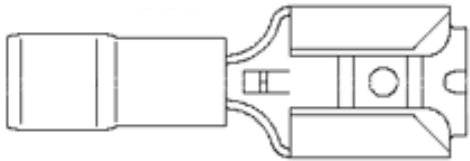
Voltage - Maximum	300V AC
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Material Info

Old Part Number	AA-8301
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Reference - Drawing Numbers

Sales Drawing	SD-19012-001
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Series
image - Reference only

EU RoHS

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

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
19012Series

Application Tooling | FAQ

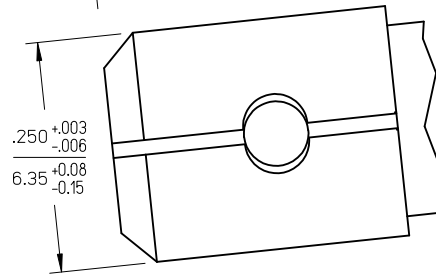
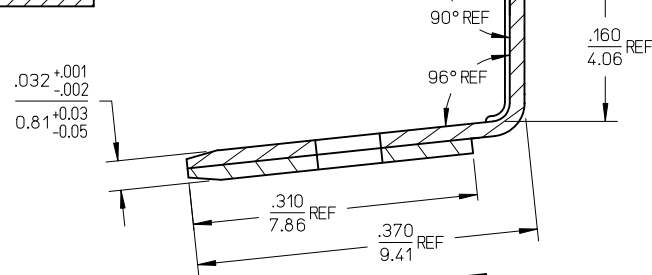
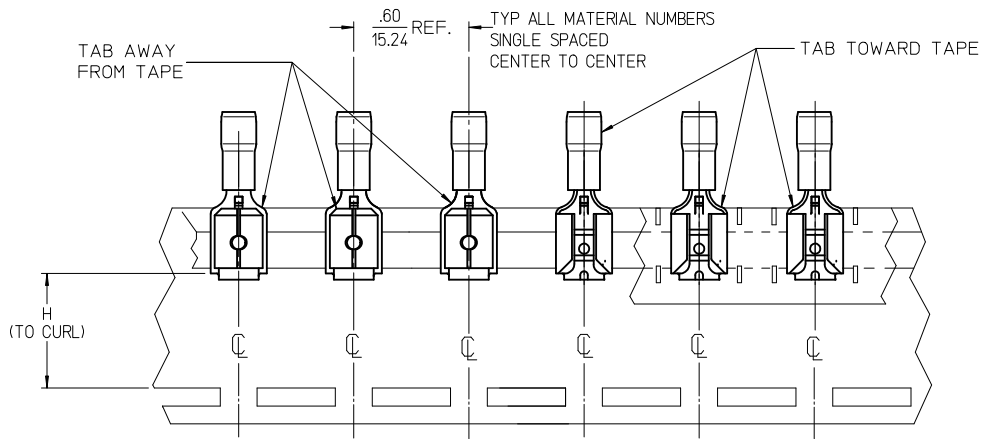
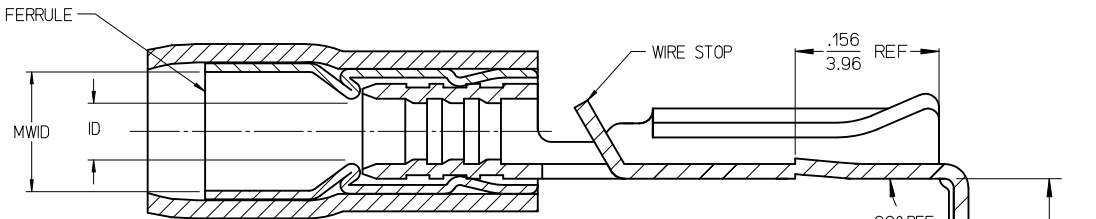
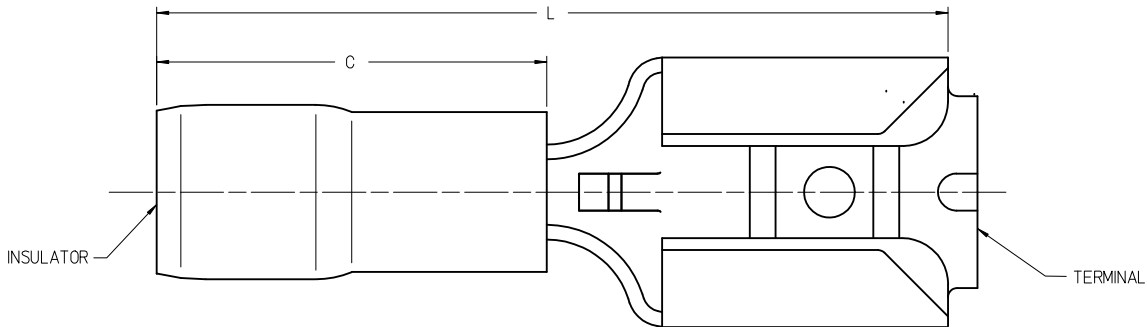
Tooling specifications and manuals are
found by selecting the products below.
Crimp Height Specifications are then
contained in the Application Tooling
Specification document.

Global

Description	Product #
Hand Crimp Tool	0640016400
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640056400

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13	12	11	10	9	8	7	6	5	4	3	2	1
MATERIAL NO. LOOSE PC	ENGINEERING NO. LOOSE PC	MATERIAL NO. ON TAPE	ENGINEERING NO. ON TAPE	WIRE SIZE	INSULATOR COLOR	ID MIN REF	MWID	C MAX	L MAX	H NOMINAL	BARE TAB POSITION	
190120029	AA-8301	190120030	AA-8301T	22-18 AWG	RED	.058/1.47	.110/2.79	.420/10.67	.870/22.10	.54/13.7	AWAY FROM TAPE	
190120031	BB-8302	190120032	BB-8302T	16-14 AWG	BLUE	.079/2.00	.140/3.56	.420/10.67	.870/22.10	.54/13.7	AWAY FROM TAPE	
190120033	C-8303	190120034	C-8303T	12-10 AWG	YELLOW	.136/3.45	.225/5.71	.580/14.73	1.030/26.16	.57/14.4	TOWARD TAPE	



PARTS ON TAPE
(SCALE 2:1)

NOTES:

1. TERMINAL MATERIAL: BRASS
2. TERMINAL FINISH: TIN PLATED
3. INSULATOR MATERIAL: NYLON
4. FERRULE MATERIAL: COPPER ALLOY (F)
5. FERRULE FINISH: TIN PLATED
6. MWID = MAXIMUM WIRE INSULATION DIAMETER.
7. ASSEMBLY IS ROHS COMPLIANT.

FERRULE MATERIAL DESCR				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
EC NO:	WNA	2009-0510	2010/01/04		mm	INCH	IN/MM	---	INCH	
DRW:WETHRODAHL	2010/01/04	CHKD:JMACNEIL	2010/01/05	DESCRIPTION	4 PLACES ± ---	± ---	DRAWN BY	DATE	TITLE	PIGGYBACK QD, .250 X .032 TAB, AVIKRIMP
APPR:JMACNEIL	2010/01/05	REV			3 PLACES ± ---	± .005	CHECKED BY	DATE		
					2 PLACES ± 0.13	± .01	RWD	1996/03/19		MOLEX INCORPORATED
					1 PLACE ± 0.25	± ---	APPROVED BY	DATE		
					ANGULAR ± 5 °		RWD	1996/03/19		SD-19012-001
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
							SEE CHART		1 OF 1	
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			