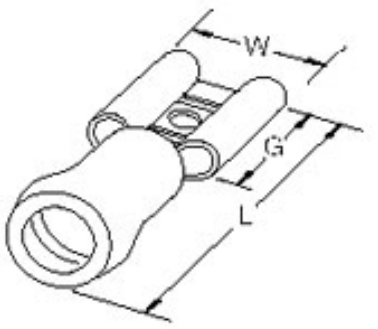
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Part Number: 0190190003
Status: Active
Description: Avikrimp™ Quick Disconnect, Female, for 18-22 (0.80-0.35) Wire, Mylar Tape, Tab 2.79mm (.110") x 0.51mm (.020")

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification

CSA	LR18689
UL	E79133

General

Product Family	Quick Disconnects
Series	19019
Crimp Quality Equipment	Yes
Product Name	Avikrimp™
Type	Quick Disconnect

Physical

Barrel Type	Closed
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
Orientation	Straight
Packaging Type	Adhesive Tape on Reel
Plating min: Mating (µin)	160
Plating min: Mating (µm)	4
Plating min: Termination (µin)	160
Plating min: Termination (µm)	4
Polarized to Mating Part	No
Tab Thickness	0.51mm (.020")
Tab Width	2.79mm (.110")
Temperature Range - Operating	-65°C to +105°C
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.90mm (.115") max.
Wire Size AWG	18, 20, 22
Wire Size mm²	0.35 - 0.80

Electrical

Voltage - Maximum	300V

Material Info

Old Part Number	AA-8131T

Reference - Drawing Numbers

Sales Drawing	SD-19019-001

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
19019Series

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.

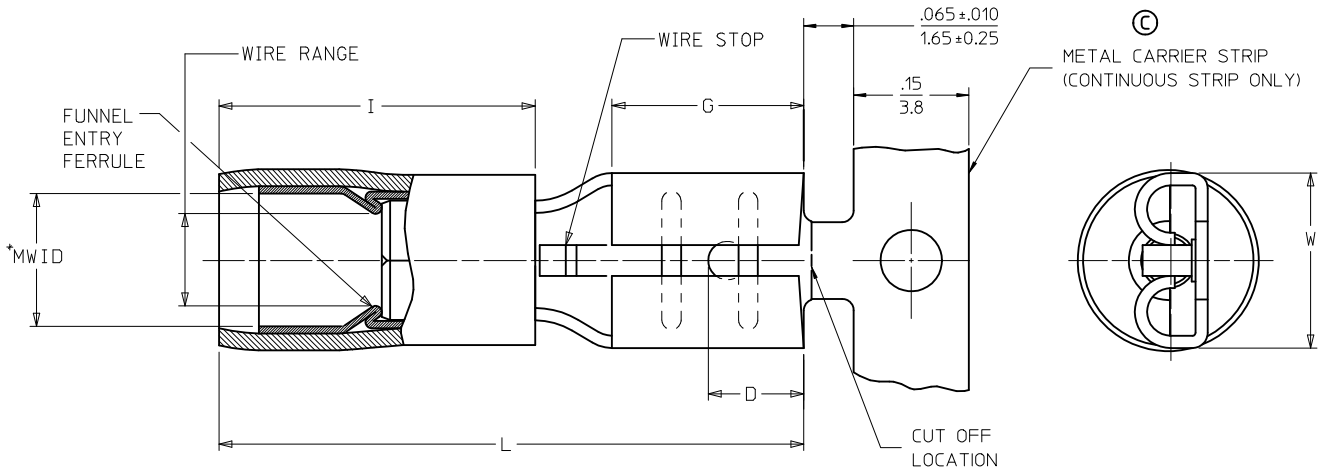
Global

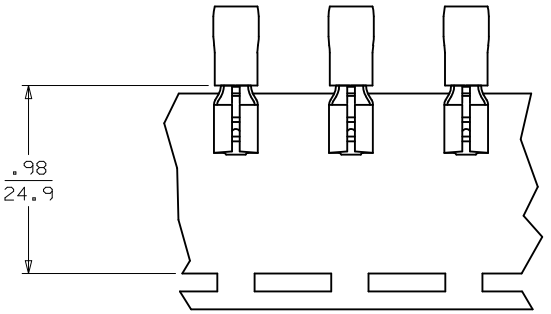
Description	Product #
Crimp Dies for MTA-100 Tape Applicator used in 3BF Press, MTA-105 Tape Applicator used in TM-2000™ Press, and ATP-301 Air Crimping Press for Mylar Tape Mounted Terminals	0192880048
Mini-Mac™ Applicator	0638850800

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LOOSE PIECE		TAPE MOUNTED		CONTINUOUS STRIP ©		SPECIFICATIONS										
MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER	ENGINEERING NUMBER	INS. COLOR	WIRE RANGE AWG	WIRE RANGE MM^2	FITS MALE TAB SIZE	STOCK THICKNESS	"L" MAX.	"I" MAX.	"W" MAX.	"D" ±.01	"G" NOM.	MWID
19019∅012	AA-8140	19019∅013	AA-8140T	190190020	AAZ-8140	RED	22-18	0.25-1.5	.250x.032 (6.35X∅.81)	.016 (∅.41)	.865 (21.97)	.43 (10.9)	.301 (7.65)	.156 (3.96)	.31 (7.9)	.115 (2.92)
19019∅031	BB-8141	19019∅033	BB-8141T	190190036	BBZ-8141	BLUE	16-14	1.0-2.5	.250x.032 (6.35X∅.81)	.016 (∅.41)	.865 (21.97)	.43 (10.9)	.301 (7.65)	.156 (3.96)	.31 (7.9)	.138 (3.51)
19019∅052	P-8142	19019∅054	P-8142T	190190057	PZ-8142	YELLOW	14-12	1.65-4.2	.250x.032 (6.35X∅.81)	.016 (∅.41)	.865 (21.97)	.43 (10.9)	.301 (7.65)	.156 (3.96)	.31 (7.9)	.170 (4.32)
19019∅037	C-8143	19019∅038	C-8143T	-	-	YELLOW	10-12	4.0-6.0	.250x.032 (6.35X∅.81)	.018 (∅.46)	1.011 (25.68)	.57 (14.5)	.301 (7.65)	.156 (3.96)	.31 (7.9)	.225 (5.70)
19019∅014	AA-8190	19019∅016	AA-8190T	190190021	AAZ-8190	RED	22-18	0.25-1.5	.205x.020 (5.21X∅.51)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.251 (6.38)	.125 (3.18)	.25 (6.4)	.115 (2.92)
19019∅034	BB-8191	19019∅064	BB-8191T	-	-	BLUE	16-14	1.0-2.5	.205x.020 (5.21X∅.51)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.251 (6.38)	.125 (3.18)	.25 (6.4)	.138 (3.51)
19019∅015	AA-8190-032	19019∅058	AA-8190-032T	-	-	RED	22-18	0.25-1.5	.205x.032 (5.21X∅.81)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.251 (6.38)	.125 (3.18)	.25 (6.4)	.115 (2.92)
19019∅035	BB-8191-032	19019∅063	BB-8191-032T	-	-	BLUE	16-14	1.0-2.5	.205x.032 (5.21X∅.81)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.251 (6.38)	.125 (3.18)	.25 (6.4)	.138 (3.51)
19019∅008	AA-8137-032	19019∅009	AA-8137-032T	190190019	AAZ-8137-032	RED	22-18	0.25-1.5	.187x.032 (4.75X∅.81)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.115 (2.92)
19019∅028	BB-8138-032	19019∅029	BB-8138-032T	190190080	BBZ-8138-032	BLUE	16-14	1.0-2.5	.187x.032 (4.75X∅.81)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.138 (3.51)
19019∅049	P-8139-032	19019∅050	P-8139-032T	190190056	PZ-8139-032	YELLOW	14-12	1.65-4.2	.187x.032 (4.75X∅.81)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.170 (4.32)
19019∅006	AA-8137	19019∅011	AA-8137T	190190018	AAZ-8137	RED	22-18	0.25-1.5	.187x.020 (4.75X0.51)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.115 (2.92)
19019∅027	BB-8138	19019∅030	BB-8138T	190190079	BBZ-8138	BLUE	16-14	1.0-2.5	.187x.020 (4.75X0.51)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.138 (3.51)
19019∅048	P-8139	19019∅051	P-8139T	190190055	PZ-8139	YELLOW	14-12	1.65-4.2	.187x.020 (4.75X0.51)	.016 (∅.41)	.789 (20.04)	.43 (10.9)	.238 (6.05)	.125 (3.18)	.25 (6.4)	.170 (4.32)
19019∅004	AA-8134	19019∅005	AA-8134T	190190075	AAZ-8134	RED	22-18	0.25-1.5	.110x.032 (2.80X∅.81)	.012 (∅.30)	.789 (20.04)	.43 (10.9)	.163 (4.14)	.210 (5.33)	.25 (6.4)	.115 (2.92)
19019∅025	BB-8135	19019∅026	BB-8135T	190190078	BBZ-8135	BLUE	16-14	1.0-2.5	.110x.032 (2.80X∅.81)	.012 (∅.30)	.789 (20.04)	.43 (10.9)	.163 (4.14)	.210 (5.33)	.25 (6.4)	.138 (3.51)
19019∅001	AA-8131	19019∅003	AA-8131T	190190017	AAZ-8131	RED	22-18	0.25-1.5	.110x.020 (2.80X∅.81)	.012 (∅.30)	.789 (20.04)	.43 (10.9)	.163 (4.14)	.210 (5.33)	.25 (6.4)	.115 (2.92)
19019∅022	BB-8132	19019∅024	BB-8132T	190190076	BBZ-8132	BLUE	16-14	1.0-2.5	.110x.020 (2.80X∅.81)	.012 (∅.30)	.789 (20.04)	.43 (10.9)	.163 (4.14)	.210 (5.33)	.25 (6.4)	.138 (3.51)





PARTS ON TAPE

NOTES:
© 1. MATERIAL: BRASS TERMINAL, COPPER ALLOY FERRULE
2. FINISH: ELECTRO-TIN PLATING
3. INSULATION: EXTRUDED NYLON
4. *MWID=MAXIMUM WIRE INSULATION DIAMETER
© 5. PARTS ARE ROHS COMPLIANT.

FERRULE DESCR. CONT P/N
EC NO: WNA2009-0510 2010/01/04
DRWN: ETHRODAHL 2010/01/05
CHKD: JMACNEIL 2010/01/05
APPR: JMACNEIL 2010/01/05
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± 0.13	± .01
1 PLACE	± 0.25	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	---
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	BRE
DATE	2001/07/25
CHECKED BY	HEB
DATE	2001/07/25
APPROVED BY	RWD
DATE	2001/07/25
TITLE	QUICK DISCONNECT PARTIALLY INSULATED AVIKRIMP
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SD-19019-001
SHEET NO.	1 OF 1
SIZE	C

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