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Home   **Quick Disconnects**   Datasheet

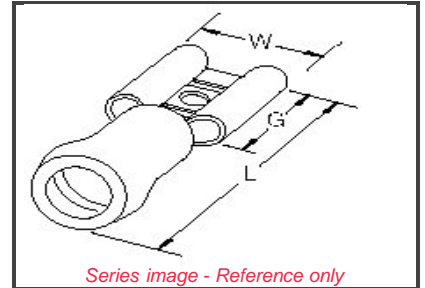**Part Number: 0190190012**

Status: Active

Description: Avikrimp™ Quick Disconnect, Female, for 18-22 (0.80-0.35) Wire, Box, Tab 6.35mm (.250") x 0.81mm (.032")

Documents:
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Drawing (PDF)   Related Catalog Page (PDF)

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Part Detail: (show all)

General   Physical   Electrical   Material Info

General

Product Family	Quick Disconnects
Series	19019
Product Name	Avikrimp™
Type	Quick Disconnect

Physical

Barrel Type	Closed
Flammability	94 V0
Gender	Female
Insulation	Nylon (PA)
Lock to Mating Part	None
Material - Metal	Brass
Orientation	Straight
Packaging Type	Bag
Polarized to Mating Part	No
Tab Thickness	0.81mm (.032")
Tab Width	6.35mm (.250")
Temperature Range - Operating	-65°C to +105°C
Wire Insulation Diameter	2.90mm (.115") max.
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size mm²	0.35 - 0.80

Electrical

CSA	LR18689
UL	E79133
Voltage - Maximum	300V

Material Info

| Old Part Number | AA-8140 |

Reference - Drawing Numbers

| Sales Drawing | SD-19019-001 |

Series image - Reference only

EU RoHS   **China RoHS**
ELV and RoHS Compliant

Need more information on product compliance?

Email **productcompliance@molex.com**

Please visit the Contact Us section for any non-product compliance questions.

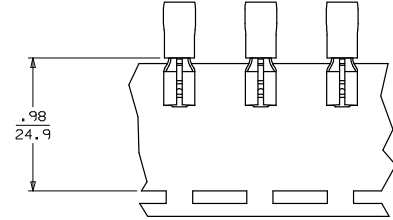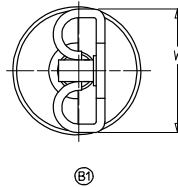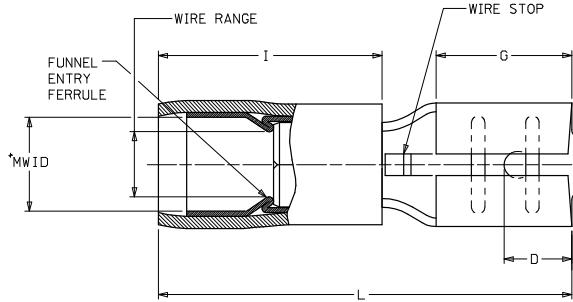**Search Parts in this Series**
19019 Series

Application Tooling
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	0640010200
Hand Crimp Tool	0640011700
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640050200

	LOOSE PIECE		TAPE MOUNTED	SPECIFICATIONS										
MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER	ENGINEERING NUMBER	INS. COLOR	WIRE RANGE AWG	WIRE RANGE MM²	FITS MALE TAB SIZE	STOCK THICKNESS	"L" MAX.	"I" MAX.	"W" MAX.	"D" ±.01	"G" NOM.	MWID
190190012	AA-8140	190190013	AA-8140T	RED	22-18	0.25-1.5	.250x.032(6.35X0.81)	.016(0.41)	.865(21.97)	.43(10.9)	.301(7.65)	.156(3.96)	.31(7.9)	.115(2.92)
190190031	BB-8141	190190033	BB-8141T	BLUE	16-14	1.0-2.5	.250x.032(6.35X0.81)	.016(0.41)	.865(21.97)	.43(10.9)	.301(7.65)	.156(3.96)	.31(7.9)	.138(3.51)
190190052	P-8142	190190054	P-8142T	YELLOW	14-12	1.65-4.2	.250x.032(6.35X0.81)	.016(0.41)	.865(21.97)	.43(10.9)	.301(7.65)	.156(3.96)	.31(7.9)	.170(4.32)
190190037	C-8143	190190038	C-8143T	YELLOW	10-12	4.0-6.0	.250x.032(6.35X0.81)	.018(0.46)	1.011(25.68)	.57(14.5)	.301(7.65)	.156(3.96)	.31(7.9)	.225(5.70)
190190014	AA-8190	190190016	AA-8190T	RED	22-18	0.25-1.5	.205x.020(5.21X0.51)	.016(0.41)	.789(20.04)	.43(10.9)	.251(6.38)	.125(3.18)	.25(6.4)	.115(2.92)
190190034	BB-8191	190190064	BB-8191T	BLUE	16-14	1.0-2.5	.205x.020(5.21X0.51)	.016(0.41)	.789(20.04)	.43(10.9)	.251(6.38)	.125(3.18)	.25(6.4)	.138(3.51)
190190015	AA-8190-032	190190058	AA-8190-032T	RED	22-18	0.25-1.5	.205x.032(5.21X0.81)	.016(0.41)	.789(20.04)	.43(10.9)	.251(6.38)	.125(3.18)	.25(6.4)	.115(2.92)
190190035	BB-8191-032	190190063	BB-8191-032T	BLUE	16-14	1.0-2.5	.205x.032(5.21X0.81)	.016(0.41)	.789(20.04)	.43(10.9)	.251(6.38)	.125(3.18)	.25(6.4)	.138(3.51)
190190044	M-8136-032	190190045	M-8136-032T	YELLOW	26-24	0.1-0.3	.187x.032(4.75X0.81)	.016(0.41)	.694(18.03)	.31(7.9)	.238(6.05)	.125(3.18)	.25(6.4)	.072(1.83)
190190008	AA-8137-032	190190009	AA-8137-032T	RED	22-18	0.25-1.5	.187x.032(4.75X0.81)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.115(2.92)
190190028	BB-8138-032	190190029	BB-8138-032T	BLUE	16-14	1.0-2.5	.187x.032(4.75X0.81)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.138(3.51)
190190049	P-8139-032	190190050	P-8139-032T	YELLOW	14-12	1.65-4.2	.187x.032(4.75X0.81)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.170(4.32)
190190043	M-8136	190190046	M-8136T	YELLOW	26-24	0.1-0.3	.187x.020(4.75X0.51)	.016(0.41)	.694(18.03)	.31(7.9)	.238(6.05)	.125(3.18)	.25(6.4)	.072(1.83)
190190006	AA-8137	190190011	AA-8137T	RED	22-18	0.25-1.5	.187x.020(4.75X0.51)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.115(2.92)
190190027	BB-8138	190190030	BB-8138T	BLUE	16-14	1.0-2.5	.187x.020(4.75X0.51)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.138(3.51)
190190048	P-8139	190190051	P-8139T	YELLOW	14-12	1.65-4.2	.187x.020(4.75X0.51)	.016(0.41)	.789(20.04)	.43(10.9)	.238(6.05)	.125(3.18)	.25(6.4)	.170(4.32)
190190041	M-8133	190190042	M-8133T	YELLOW	26-24	0.1-0.3	.110x.032(2.80X0.81)	.012(0.30)	.694(18.03)	.31(7.9)	.163(4.14)	.210(5.33)	.25(6.4)	.072(1.83)
190190004	AA-8134	190190005	AA-8134T	RED	22-18	0.25-1.5	.110x.032(2.80X0.81)	.012(0.30)	.789(20.04)	.43(10.9)	.163(4.14)	.210(5.33)	.25(6.4)	.115(2.92)
190190025	BB-8135	190190026	BB-8135T	BLUE	16-14	1.0-2.5	.110x.032(2.80X0.81)	.012(0.30)	.789(20.04)	.43(10.9)	.163(4.14)	.210(5.33)	.25(6.4)	.138(3.51)
190190039	M-8130	190190040	M-8130T	YELLOW	26-24	0.1-0.3	.110x.020(2.80X0.81)	.012(0.30)	.694(18.03)	.31(7.9)	.163(4.14)	.210(5.33)	.25(6.4)	.072(1.83)
190190001	AA-8131	190190003	AA-8131T	RED	22-18	0.25-1.5	.110x.020(2.80X0.81)	.012(0.30)	.789(20.04)	.43(10.9)	.163(4.14)	.210(5.33)	.25(6.4)	.115(2.92)
190190022	BB-8132	190190024	BB-8132T	BLUE	16-14	1.0-2.5	.110x.020(2.80X0.81)	.012(0.30)	.789(20.04)	.43(10.9)	.163(4.14)	.210(5.33)	.25(6.4)	.138(3.51)

WIRE RANGE
WIRE STOP
FUNNEL ENTRY FERRULE
I
G
MWID
W
L
D
B1

PARTS ON TAPE
.98 / 24.9

NOTES:
1. MATERIAL: BRASS
2. FINISH: ELECTRO-TIN PLATING
3. INSULATION: EXTRUDED NYLON
4. MWID=MAXIMUM WIRE INSULATION DIAMETER

QUALITY SYMBOLS
GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: BRE 2001/07/25
CHECKED BY: HEB 2001/07/25
APPROVED BY: RWD 2001/07/25

TITLE: QUICK DISCONNECT AVIKRIMP LOOSE PIECE & TAPE MOUNT
molex MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-19019-001
SHEET NO.: 1 OF 1
SIZE: C

FIX TEXT, CORRECT "TDIM"
EC NO: WNA2008-0012 2008/02/21
DRWN: NETHRODAHL 2008/03/03
CHKD: JMACNEIL 2008/03/03
APPR: JMACNEIL
B1
REV / DESCRIPTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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