

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0190250002

Status:

Active

Description:

Avikrimp™ Quick Disconnect for 18-22 AWG Wire, Male, 4.75mm (.187") x 0.51mm (.020") Tab

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR18689

UL

E79133

General

Product Family

Quick Disconnects

Series

19025

Comments

Funnel Ferrule Entry

Crimp Quality Equipment

Yes

MolexKits

Yes

Product Name

Avikrimp™

Type

Quick Disconnect

Physical

Barrel Type

Closed

Color - Resin

Natural

Flammability

94V-2

Gender

Male

Glow-Wire Compliant

No

Insulation

Nylon (PA)

Lock to Mating Part

None

Material - Metal

Brass

Material - Resin

Nylon

Orientation

Straight

Packaging Type

Bag

Polarized to Mating Part

No

Tab Thickness

0.51mm (.020")

Tab Width

4.75mm (.187")

Temperature Range - Operating

-65°C to +105°C

Wire Insulation Diameter

6.30mm (.248") max.

Wire Size AWG

18, 20, 22

Wire Size mm²

0.35 - 0.80

Electrical

Voltage - Maximum

600V

Material Info

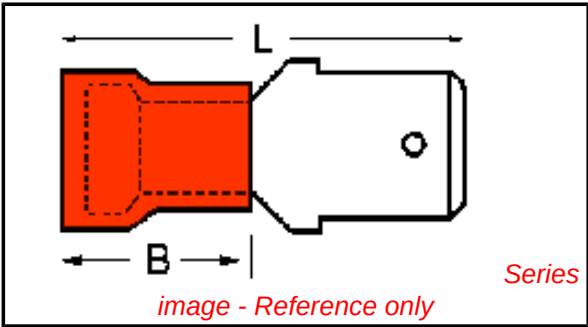
Old Part Number

AMCT-57

Reference - Drawing Numbers

Sales Drawing

SD-19025-002



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

19025Series

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.

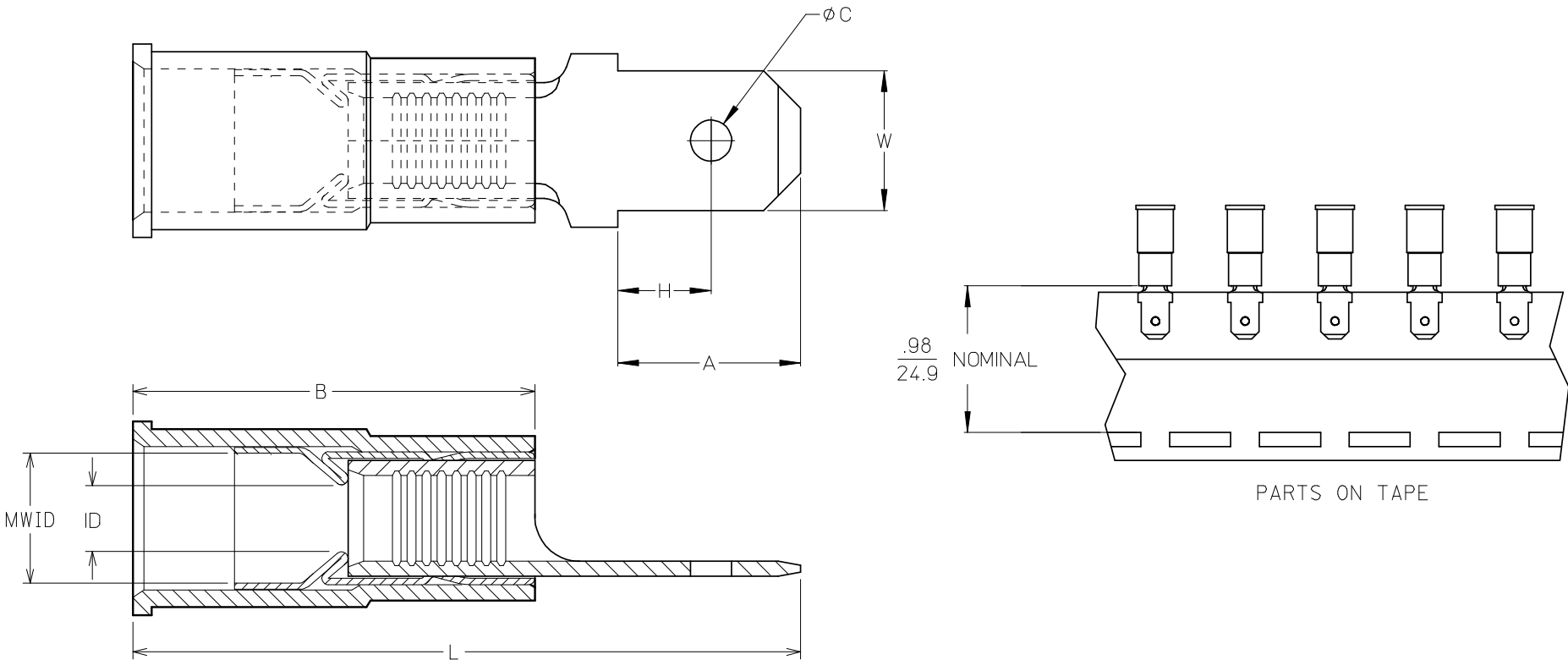
Global

Description	Product #
Hand Crimp Tool	0640010100
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640050100

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10		9		8		7		6		5		4		3		2		19025	
LOOSE PC MATERIAL NO.	LOOSE PC ENG. NO.	ON TAPE MAT'L NO.	ON TAPE ENG. NO.	WIRE RANGE		TAB SIZE REFERENCE		COLOR	ID MIN	B REF	MWID	L MAX	W ± .005 0.13	A MIN	H MAX	C ± .007 0.18	TERMINAL MAT'L THICKNESS - REF	TERMINAL FINISH	
190250001	AMCT-5	190250004	AMCT-5T	22-18AWG (0.38-.96mm ²)		.250x.032 (6.35x0.81)		RED	.054/1.37	.546/13.87	.138/3.51	1.00/25.4	.250/6.35	.30/7.6	.14/3.6	.075/1.91	BRASS, .032/0.81	ZINC CHROMATE	
190250007	MCT-5	190250010	MCT-5T	16-14AWG (1.23-1.94mm ²)		.250x.032 (6.35x0.81)		BLUE	.081/2.06	.546/13.87	.165/4.19	1.00/25.4	.250/6.35	.30/7.6	.14/3.6	.075/1.91	BRASS, .032/0.81	ZINC CHROMATE	
190250005	CMCT-5	190250006	CMCT-5T	12-10AWG (3.09-5.01mm ²)		.250x.032 (6.35x0.81)		YELLOW	.128/3.25	.669/16.99	.225/5.71	1.18/30.0	.250/6.35	.30/7.6	.14/3.6	.075/1.91	BRASS, .032/0.81	ZINC CHROMATE	
190250002	AMCT-57	190250003	AMCT-57T	22-18AWG (0.38-.96mm ²)		.187x.020 (4.75x0.51)		RED	.054/1.37	.546/13.87	.138/3.51	.82/20.83	.187/4.75	.24/6.1	.13/3.3	.055/1.40	BRASS, .020/0.51	ZINC CHROMATE	
190250008	MCT-57	190250009	MCT-57T	16-14AWG (1.23-1.94mm ²)		.187x.020 (4.75x0.51)		BLUE	.081/2.06	.546/13.87	.165/4.19	.82/20.83	.187/4.75	.24/6.1	.13/3.3	.055/1.40	BRASS, .020/0.51	ZINC CHROMATE	

(A) (ENTIRE CHART)



(A) (ALL NOTES)

- NOTES:
1. TERMINAL MATERIAL & FINISH: SEE CHART
 2. INSULATION MATERIAL: NYLON
 3. FERRULE:
MATERIAL: BRASS
FINISH: TIN
 4. TAB DIMENSIONS PER UL310 SPECIFICATIONS.
 5. PART IS ROHS COMPLIANT.
 6. MWID = MAXIMUM WIRE INSULATION DIAMETER

REDWN W/MATL & FIN CHG EC NO: ETC2007-0081 DRWN:EHILE 2008/01/28 CHKD:JMACNEIL 2008/01/28 APPR:JMACNEIL 2008/02/13 REV A	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM (A)		SCALE ---	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY RCM		DATE 1994/07/06	TITLE MALE QUICK DISCONNECT, AVIKRIMP				
				± ---	± ---	CHECKED BY JM		DATE 1994/07/06					
				± ---	± ---	APPROVED BY FP		DATE 1994/07/06					
				± ---	± ---	MOLEX MOLEX INCORPORATED							
			ANGULAR ± ---°			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-19025-002			SHEET NO. 1 OF 1		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
						SIZE B							