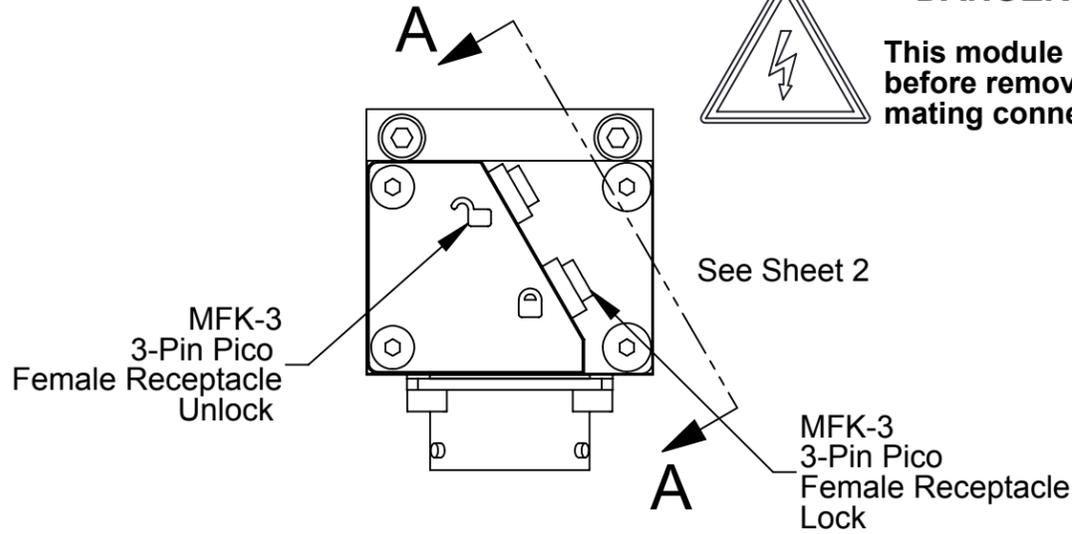


REV.	DESCRIPTION	INITIATOR	DATE
04	ECO 17871: Sheet 1 & 3: Changed Rotary Switch callout to "0-F Tool ID" was "0-16 Tool ID".	TBC	5/8/2019

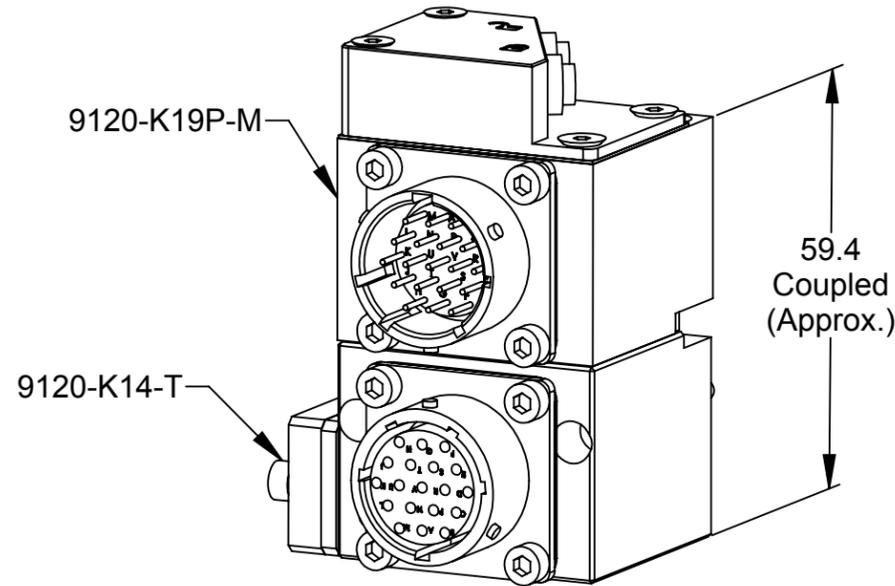
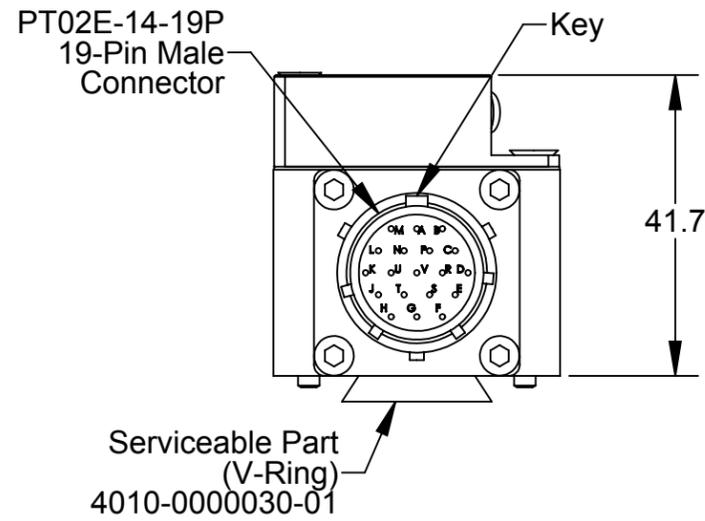
**9120-K19P-M**



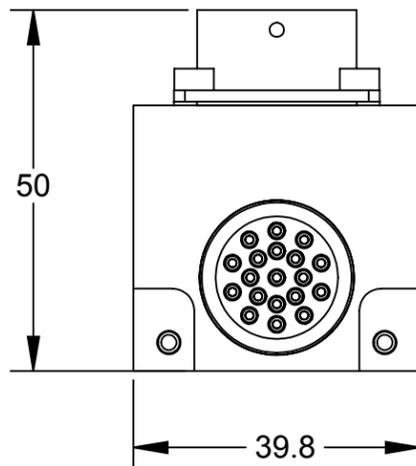
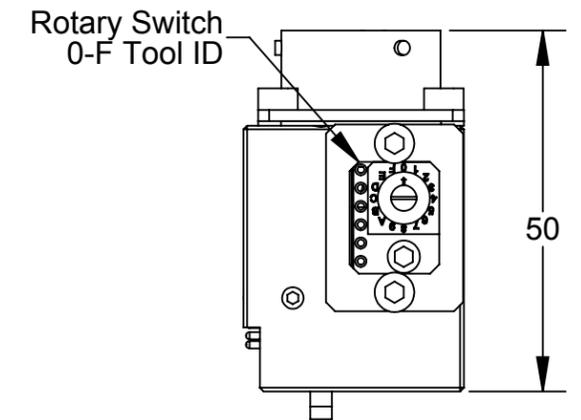
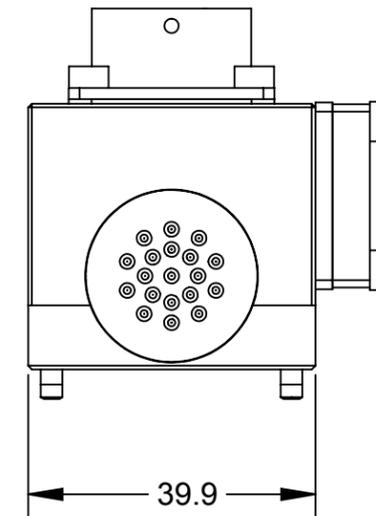
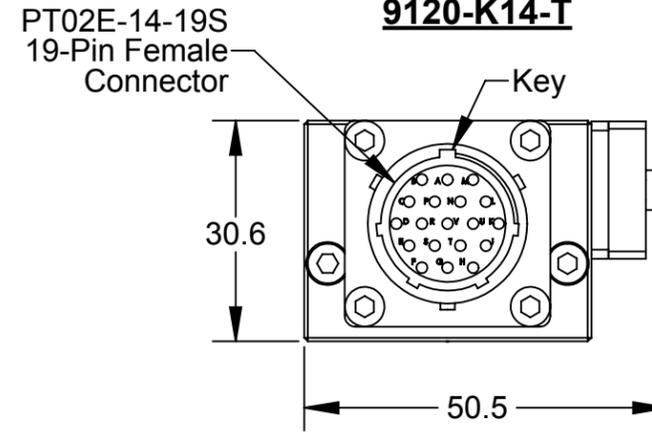
**" DANGER!" - Electrical Shock Hazard**



This module has a Voltage of 50V or greater, NO contact should be attempted before removing power. This especially includes separation or insertion of the mating connectors or any contact with the tool changer or its components."



**9120-K14-T**



NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

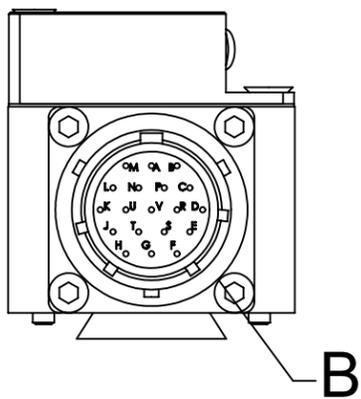


1031 Goodworth Drive, Apex, NC 27539, USA  
 Tel: +1.919.772.0115 Email: info@ati-ia.com  
 Fax: +1.919.772.8259 www.ati-ia.com  
 ISO 9001 Registered Company

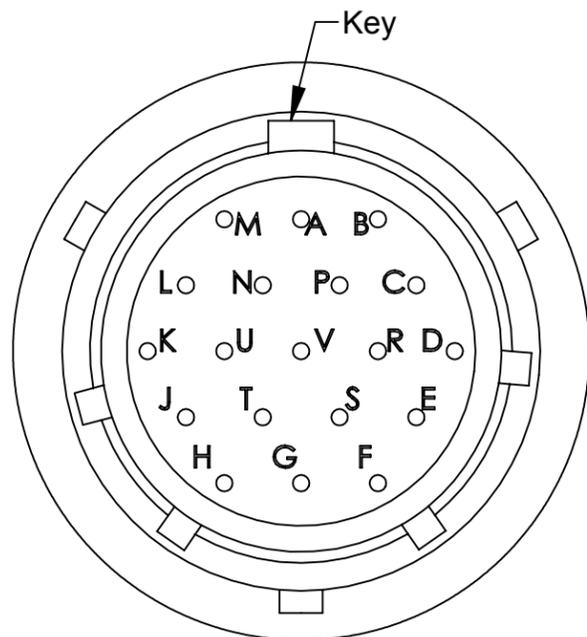
PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: C. Flesock, 5/17/18		TITLE	
CHECKED BY: B. Smith, 5/17/18		K19P Master and K14 Tool Assembly, Wiring	
PROJECT #	SHEET 1 OF 3	SCALE	SIZE
		1:1	B
DRAWING NUMBER		REVISION	
9630-20-K19PM K14T		04	

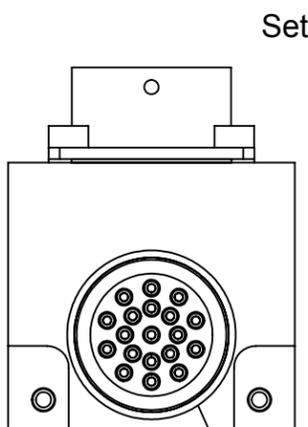
**9120-K19P-M**



**B**

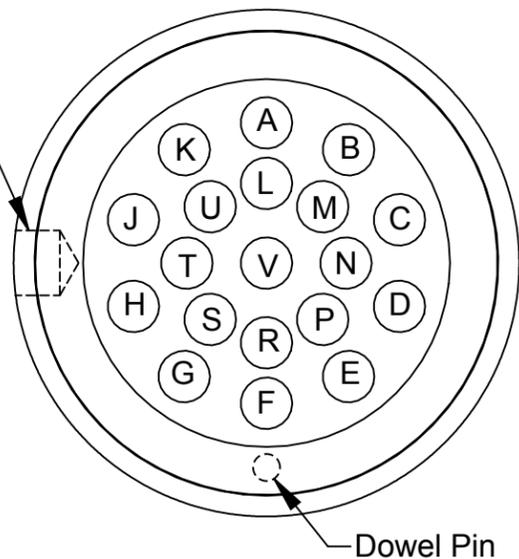


DETAIL B  
SCALE 3 : 1



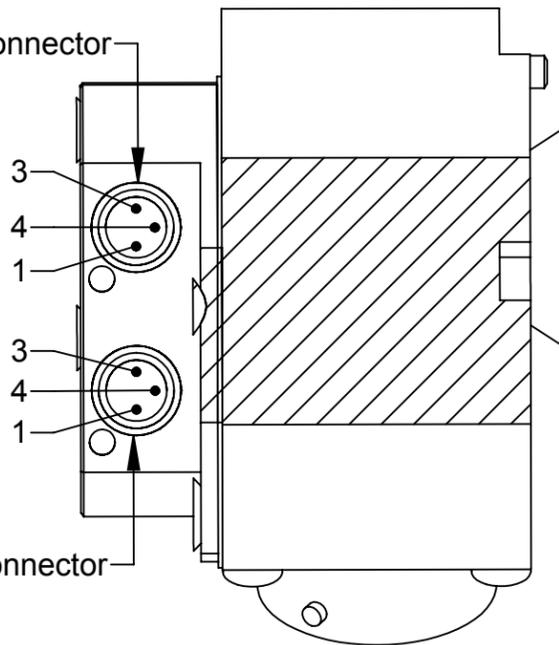
Set Screw

**C**



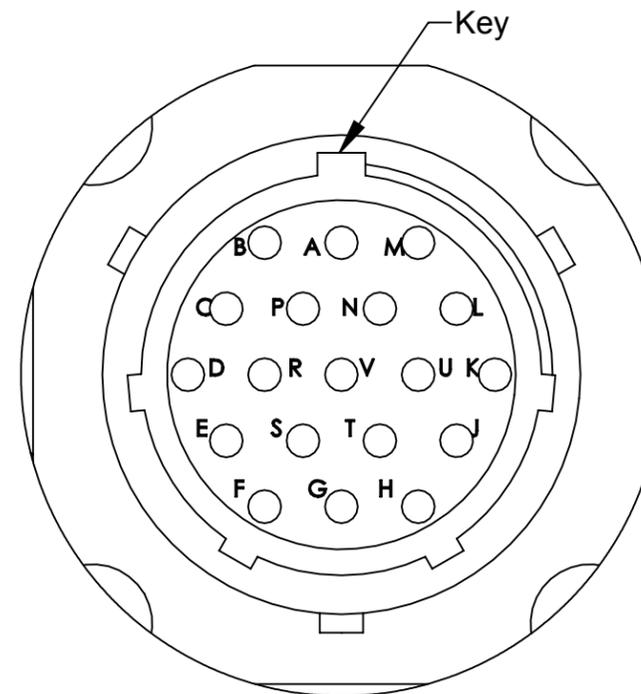
Master 19-Pin Block  
DETAIL C  
SCALE 3 : 1

Unlocked Connector



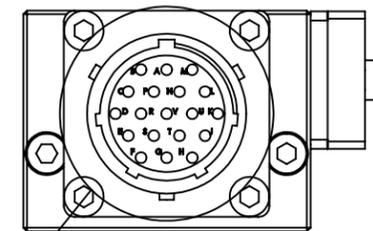
Locked Connector

SECTION A-A  
SCALE 1.5 : 1

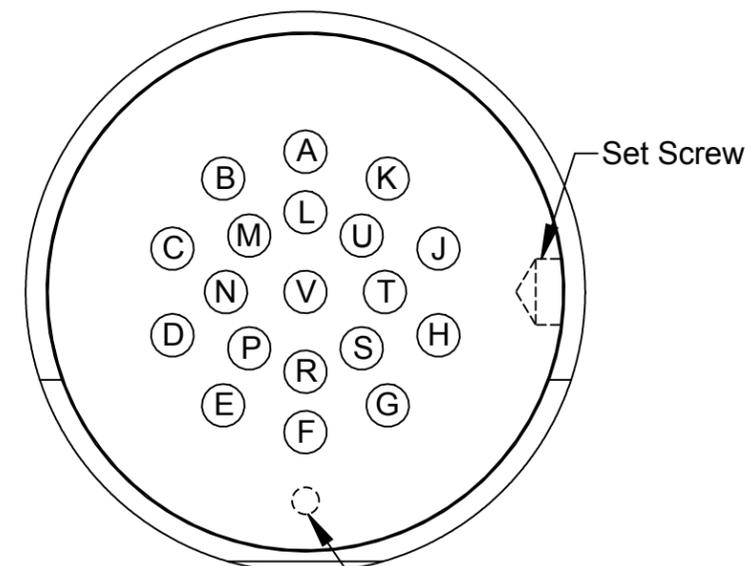


DETAIL E  
SCALE 3 : 1

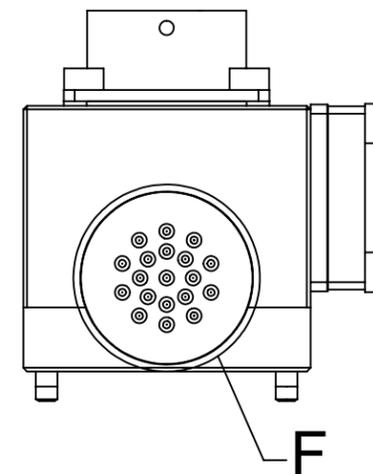
**9120-K14-T**



**E**



Tool 19-Pin Block  
DETAIL F  
SCALE 3 : 1



**F**

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



1031 Goodworth Drive, Apex, NC 27539, USA  
Tel: +1.919.772.0115 Email: info@ati-ia.com  
Fax: +1.919.772.8259 www.ati-ia.com  
ISO 9001 Registered Company

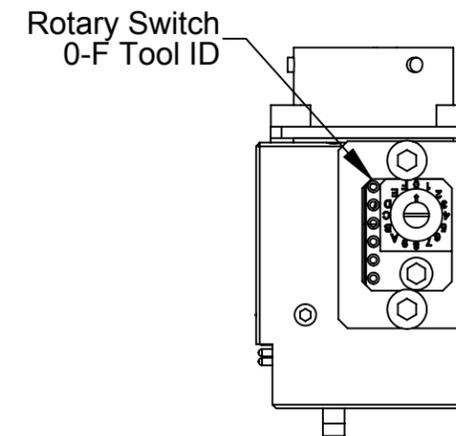
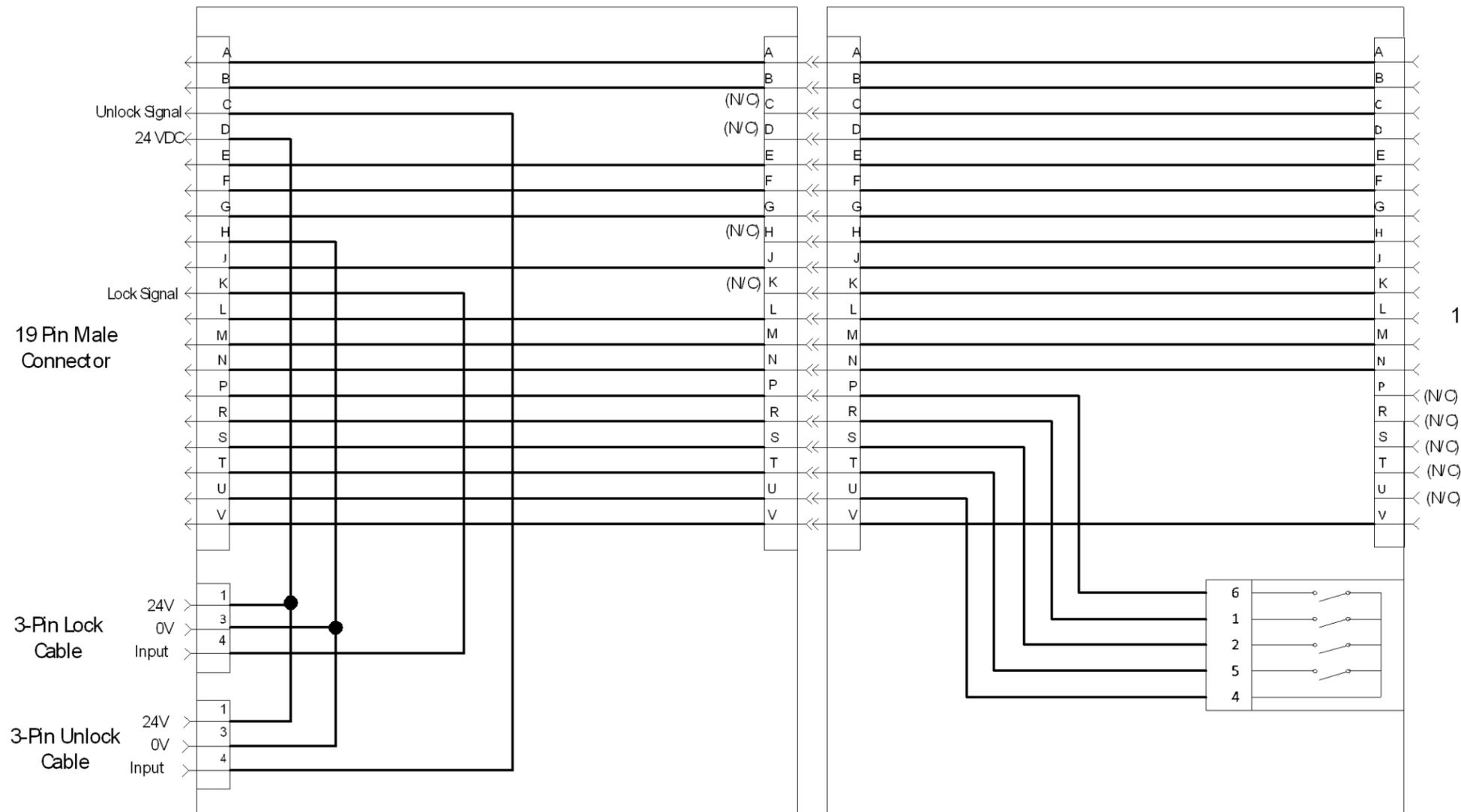
PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: C. Flesock, 5/17/18		TITLE		
CHECKED BY: B. Smith, 5/17/18		K19P Master and K14 Tool Assembly, Wiring		
PROJECT #	SHEET 2 OF 3	SCALE	SIZE	DRAWING NUMBER
		1:1	B	9630-20-K19PM K14T
				REVISION
				04

9120-K19P-M

9120-K14-T

ATI 19-Pin  
Block



19 Pin Female  
Connector

**TABLE 1: BINARY OUTPUT OF TOOL ID**

Switch Selection	Pin P	Pin S	Pin R	Pin T	Switch
0	0	0	0	0	
1	0	0	0	1	
2	0	0	1	0	
3	0	0	1	1	
4	0	1	0	0	
5	0	1	0	1	
6	0	1	1	0	
7	0	1	1	1	
8	1	0	0	0	
9	1	0	0	1	
A	1	0	1	0	
B	1	0	1	1	
C	1	1	0	0	
D	1	1	0	1	
E	1	1	1	0	
F	1	1	1	1	

**Notes:**

1. Pin "V" on ATI pin block is First-To-Mate and last-to-break contact, recommended as ground.
2. Electrical Rating - 50 VDC, 3A.
3. Refer to Table 1 for the Tool ID output (Note: Use Pin 'U' of the 19-Pin Connector (Master Side) as Common).

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



1031 Goodworth Drive, Apex, NC 27539, USA  
 Tel: +1.919.772.0115 Email: info@ati-ia.com  
 Fax: +1.919.772.8259 www.ati-ia.com  
 ISO 9001 Registered Company

PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: C. Flesock, 5/17/18		TITLE	
CHECKED BY: B. Smith, 5/17/18		K19P Master and K14 Tool Assembly, Wiring	
PROJECT #	SHEET 3 OF 3	SCALE	SIZE
		1:1	B
DRAWING NUMBER		REVISION	
9630-20-K19PM K14T		04	