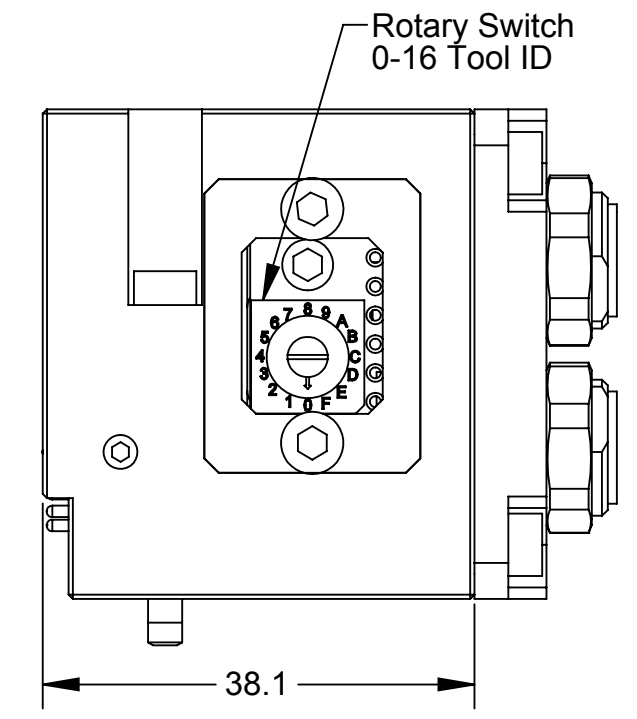
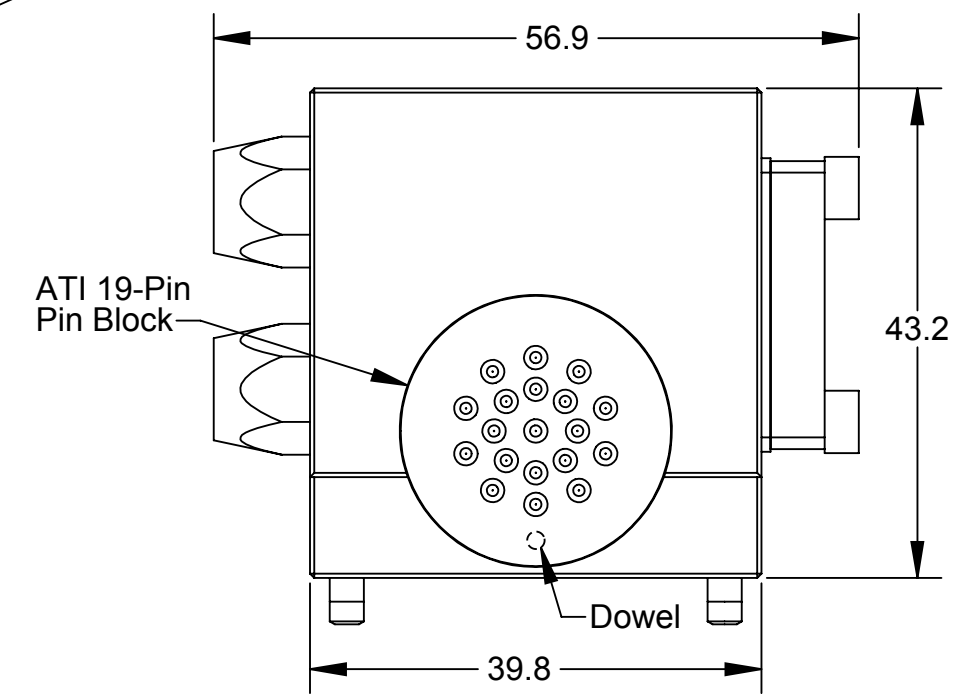
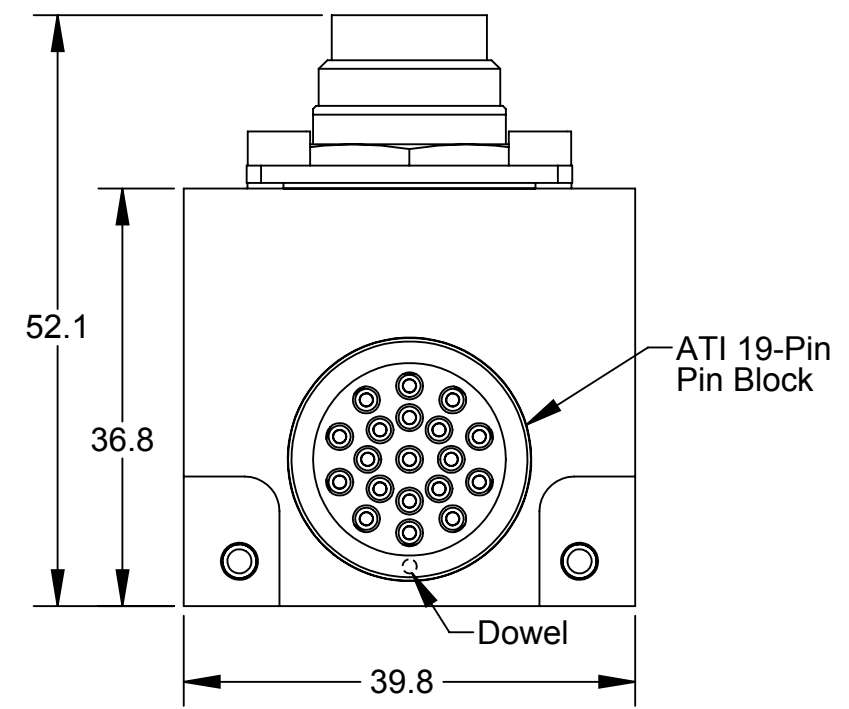
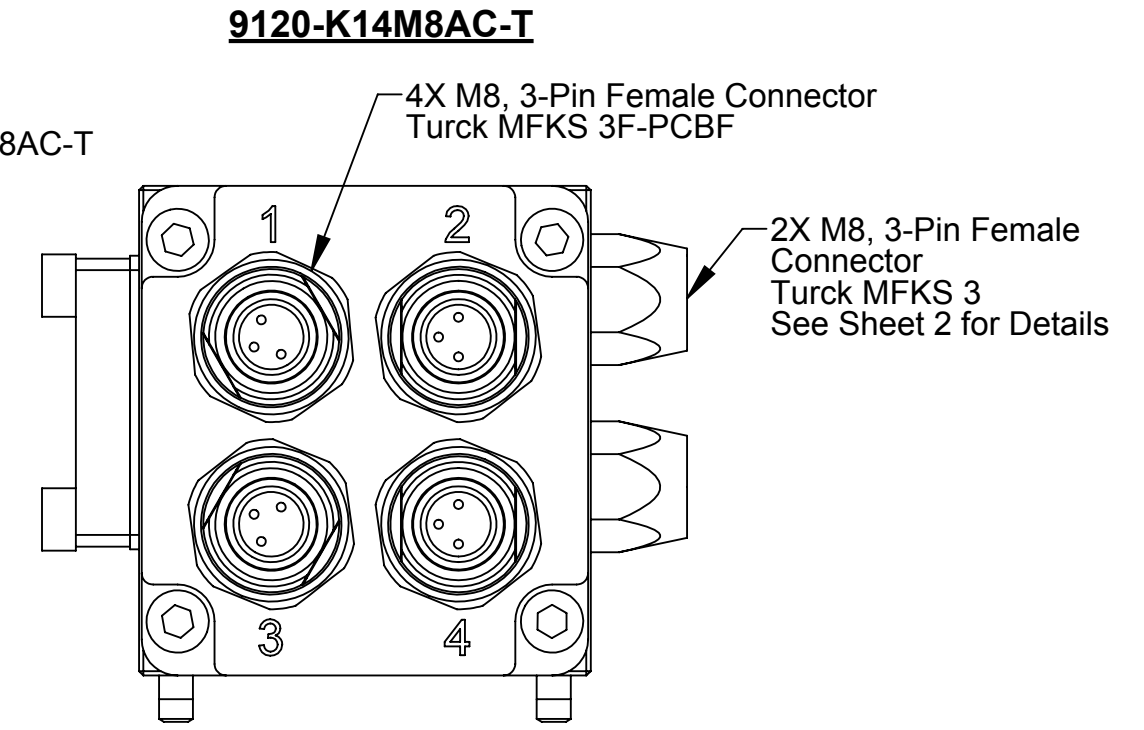
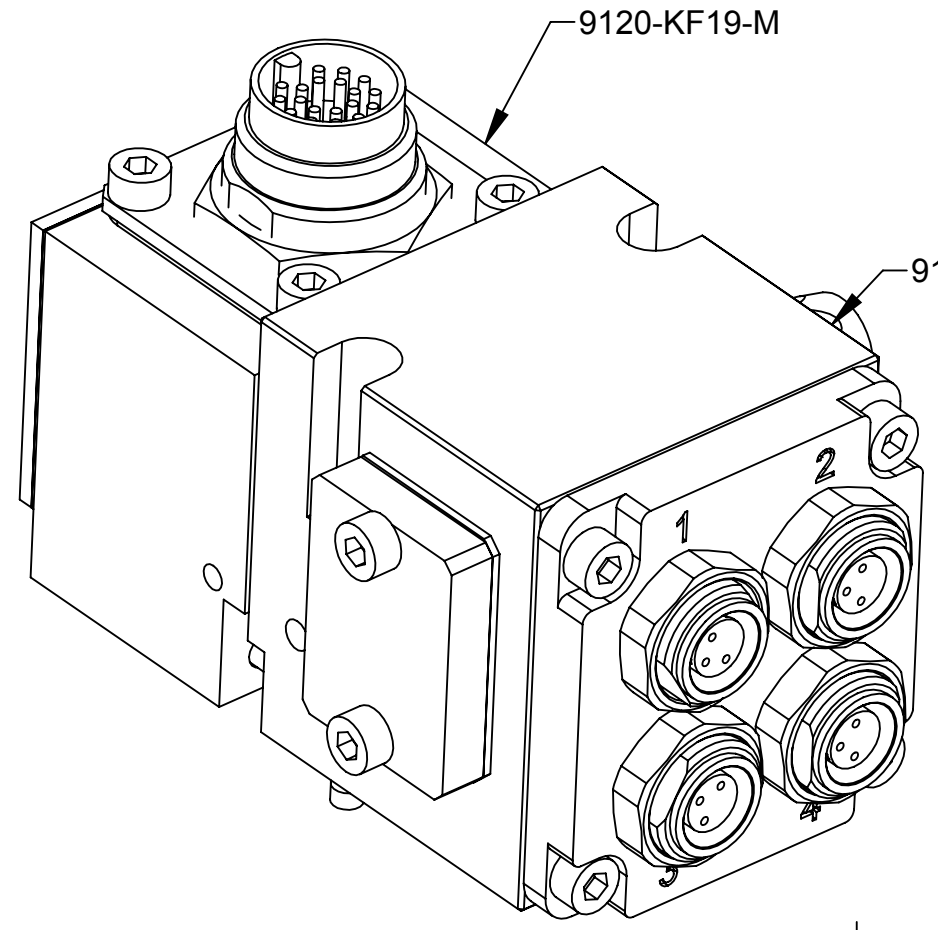
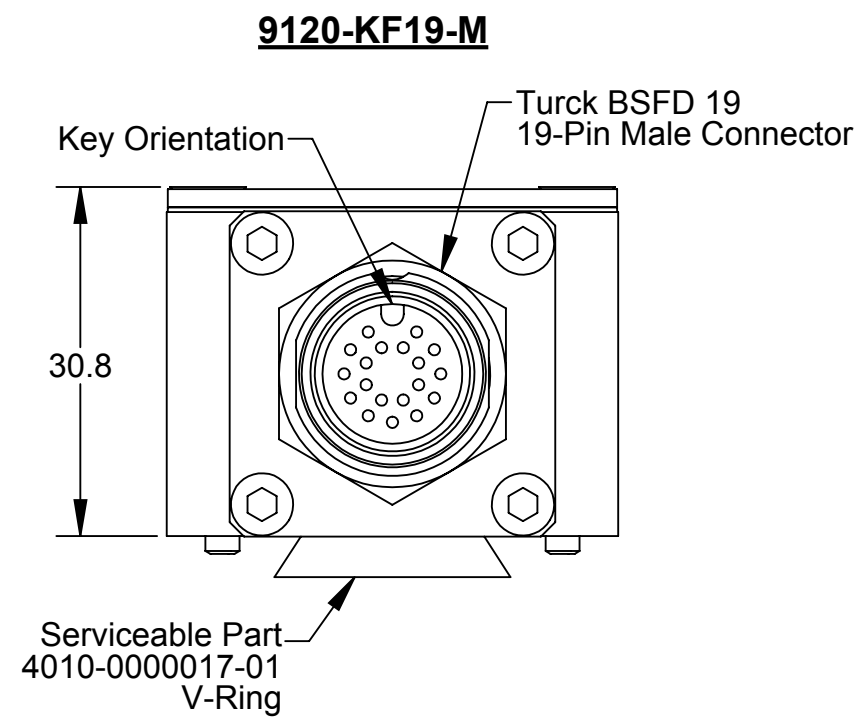


Rev.	Description	Initiator	Date
07	ECO 19011: Reduced gasket, screws and overall length of tool by 2 mm.	NWB	7/27/2020



Notes:

1. Customer approval of electrical schematic is required.
2. Customer is to approve connector selection and orientation.
3. See Sheet 3 for module wiring schematic.

NOTES: UNLESS OTHERWISE SPECIFIED.

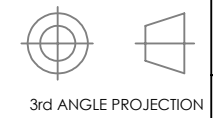
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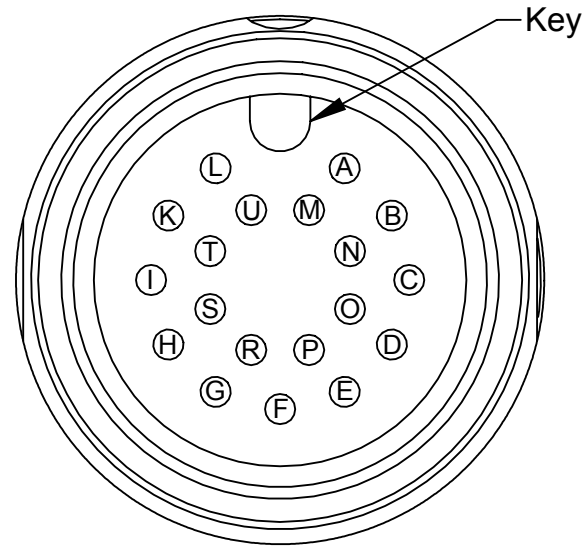
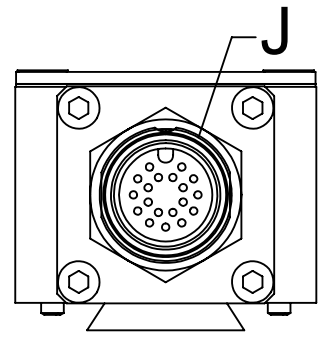


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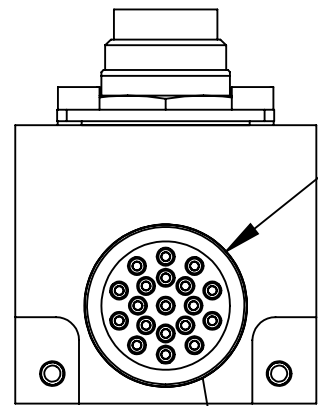
DRAWN BY: W. Berrocal, 4/26/18		TITLE	
CHECKED BY: B. Smith, 5/11/18 K. Davis, 5/11/18		KF19-M / K14M8AC-T Electrical Modules, 16 Tool ID, Six M8 connectors	
PROJECT # 180426-2 SHEET 1 OF 3	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-KF19M K14M8ACT
			REVISION 07





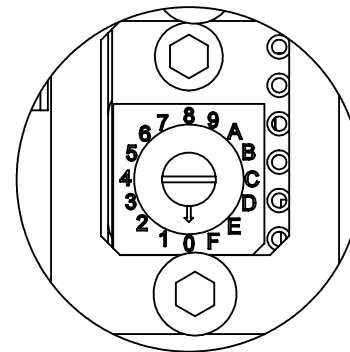
DETAIL J  
SCALE 4 : 1

**9120-KF19-M**

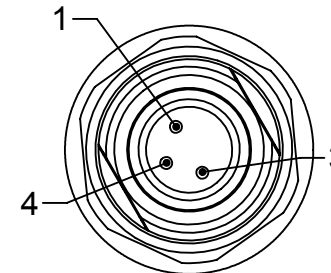


ATI 19-Pin  
Master  
Pin Block

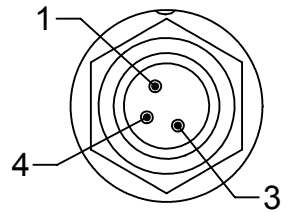
E



DETAIL C  
SCALE 2 : 1

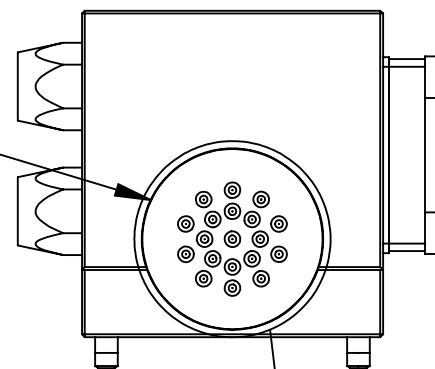


DETAIL G  
SCALE 2 : 1

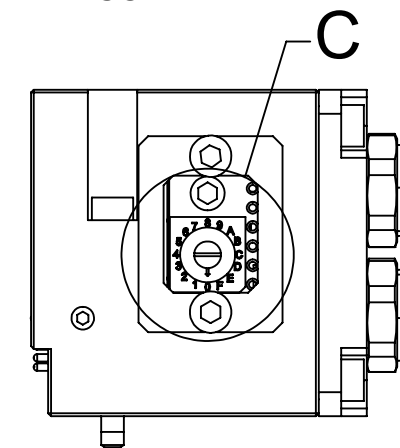


DETAIL H  
SCALE 2 : 1

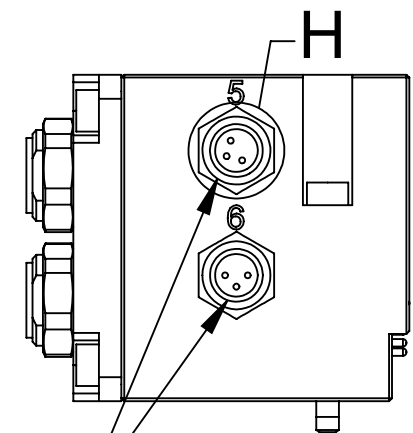
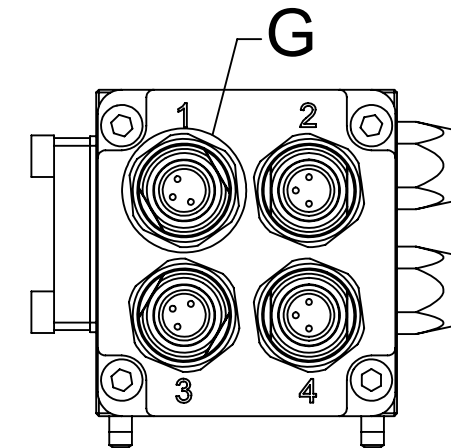
ATI 19-Pin  
Tool  
Pin Block



F

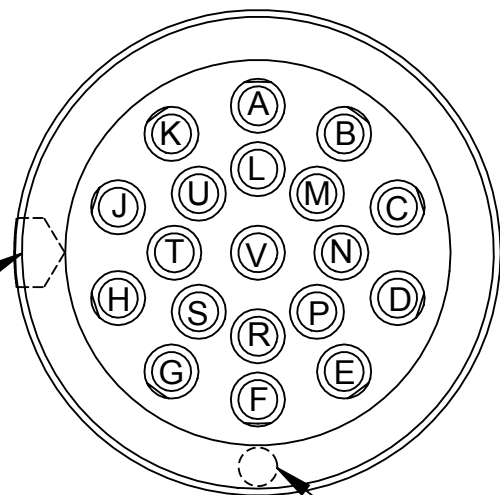


**9120-K14M8AC-T**



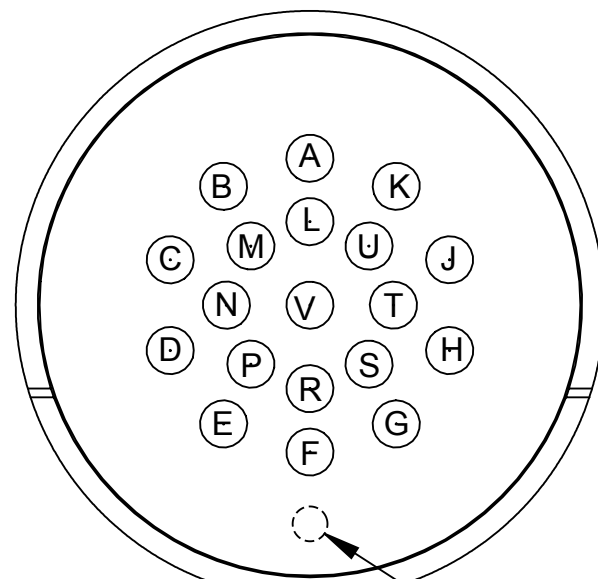
**Connector orientation  
is not guaranteed**

Set Screw



DETAIL E  
SCALE 3 : 1

Dowel Pin



DETAIL F  
SCALE 3 : 1

Dowel

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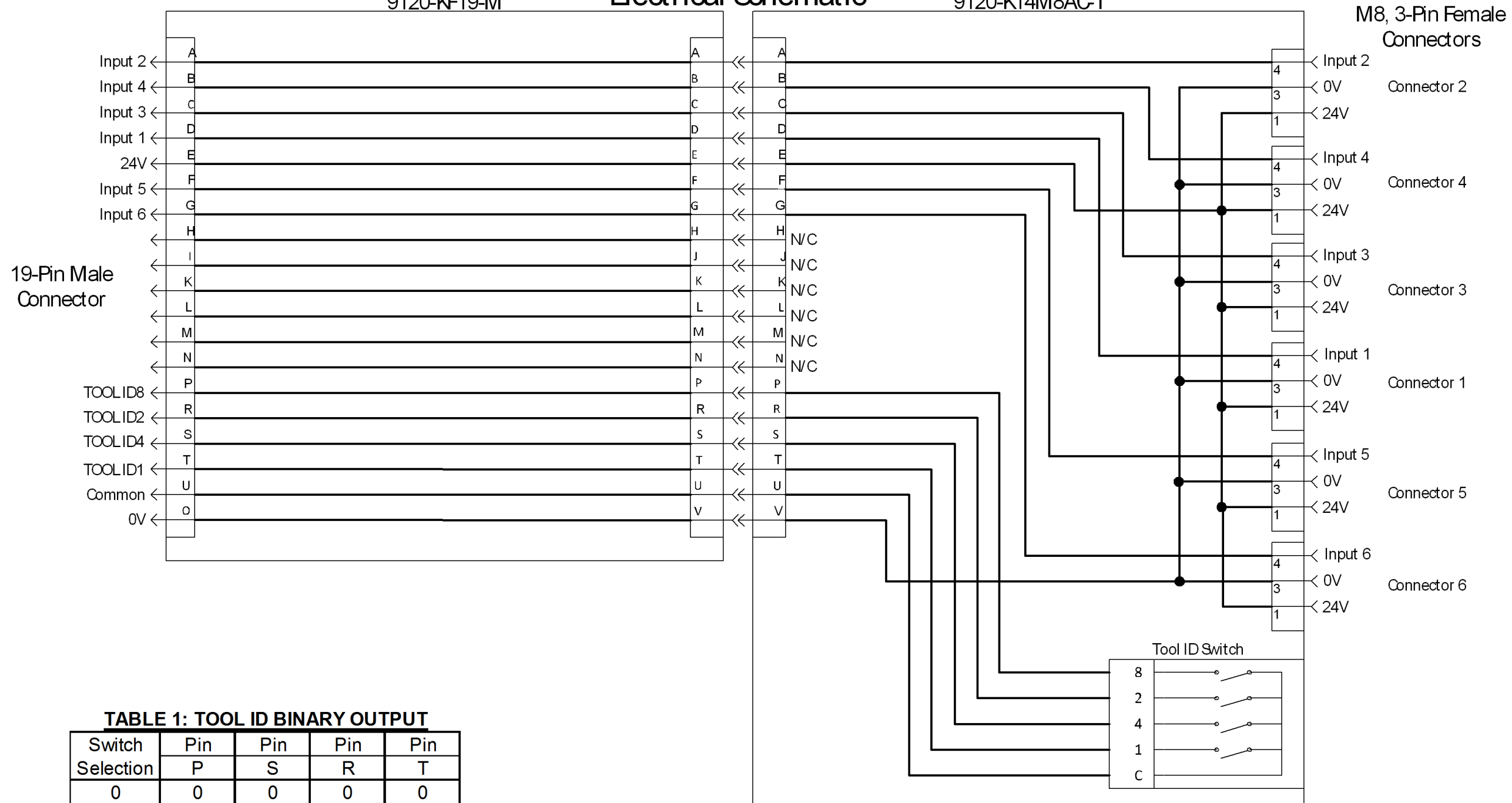
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CHECKED BY: B. Smith, 5/11/18 K. Davis, 5/11/18		KF19-M / K14M8AC-T Electrical Modules, 16 Tool ID, Six M8 connectors	
PROJECT # 180426-2	SHEET 2 OF 3	SCALE 1:1	SIZE B
		DRAWING NUMBER 9630-20-KF19M K14M8ACT	REVISION 07

9120-KF19-M

# Electrical Schematic

9120-K14M8AC-T



**TABLE 1: TOOL ID BINARY OUTPUT**

Switch Selection	Pin	Pin	Pin	Pin
	P	S	R	T
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:**

- Pin "V" on ATI pin block is First-To-Mate and last-to-break contact, recommended as ground.
- Tool ID circuit is rated to 30V, 100mA. All six (6) M8 connector circuits are rated to 30V, 150mA.
- See Table 1 for Tool ID binary output. Pin U is common.

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CHECKED BY: B. Smith, 5/11/18 K. Davis, 5/11/18		KF19-M / K14M8AC-T Electrical Modules, 16 Tool ID, Six M8 connectors	
PROJECT # 180426-2	SHEET 3 OF 3	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-KF19M K14M8ACT		REVISION 07	