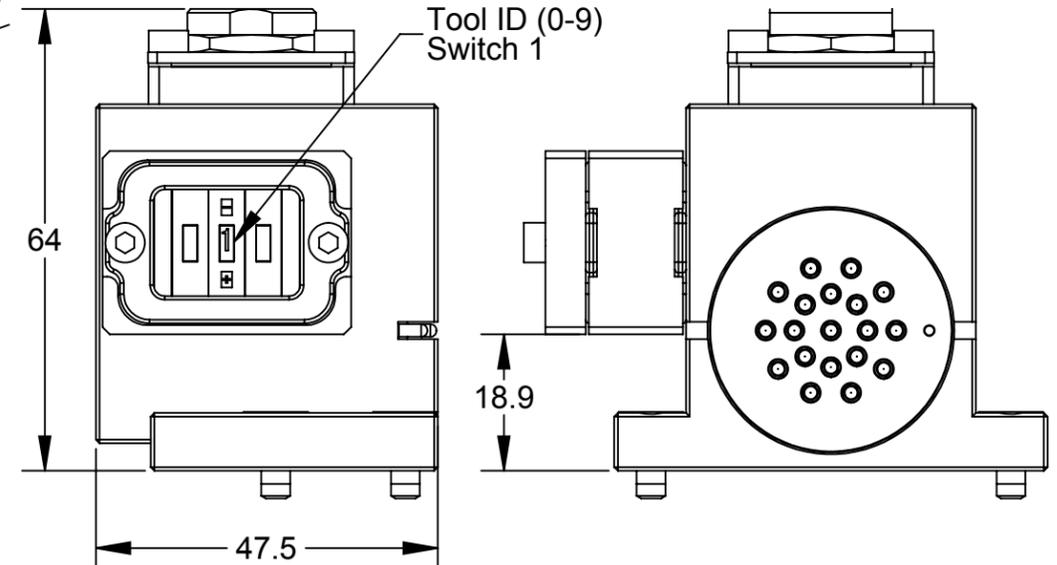
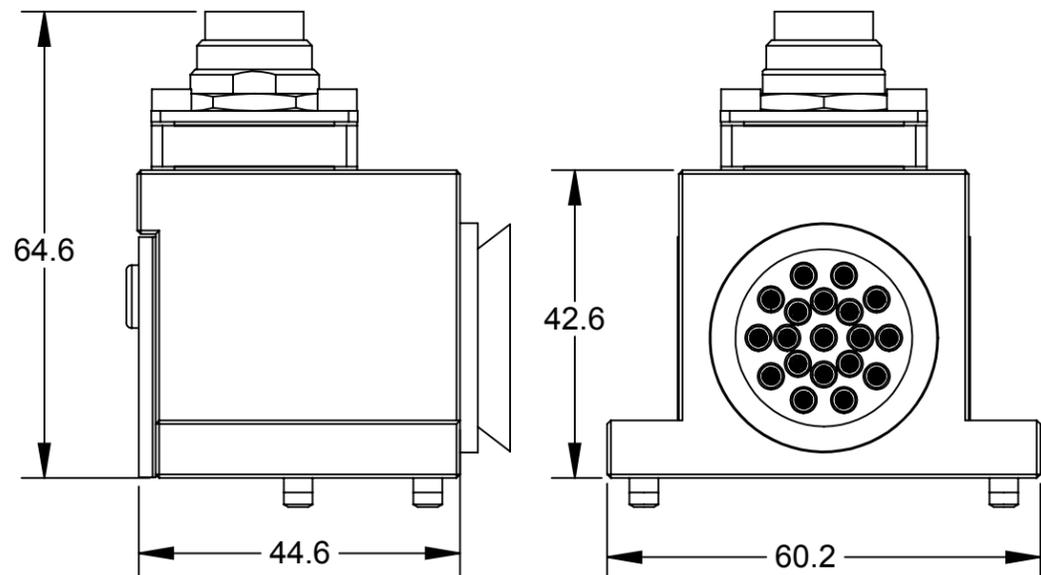
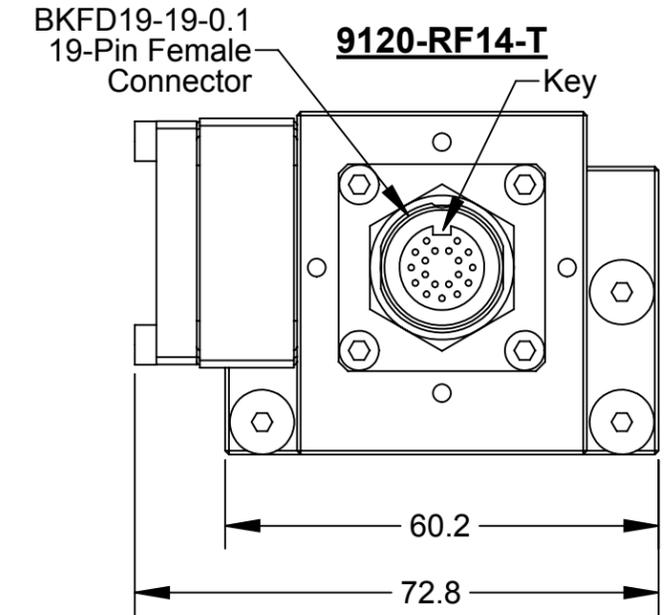
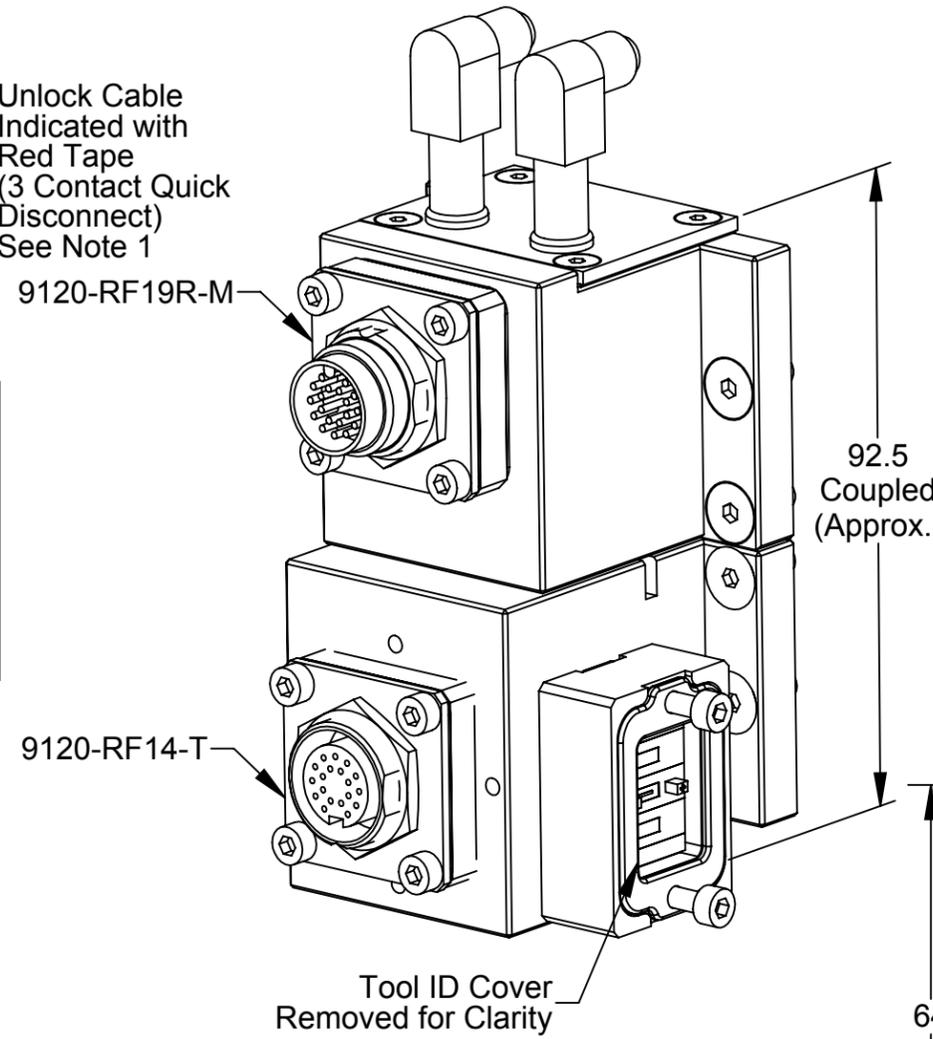
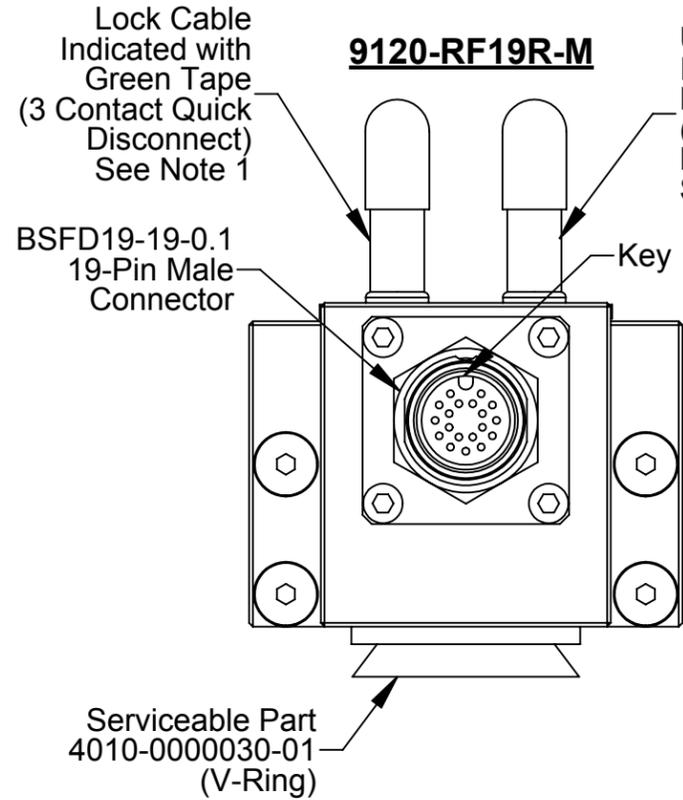




"DANGER!" - Electrical Shock Hazard

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.

REV.	DESCRIPTION	INITIATOR	DATE
04	ECO 18032: Sheet 3: Added "Tool-ID Switch is rated for 0.1A / 30VDC" note. Updated Notes numbering after changes.	TBC	7/3/2019



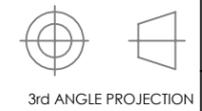
Note:
1. Actual cable length is 200mm.

NOTES: UNLESS OTHERWISE SPECIFIED.
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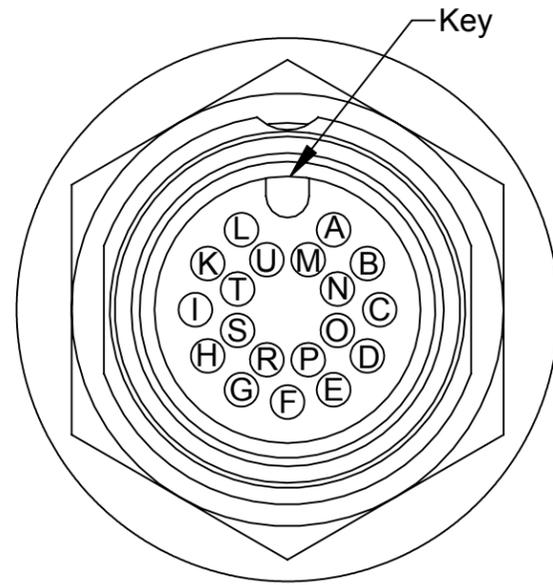
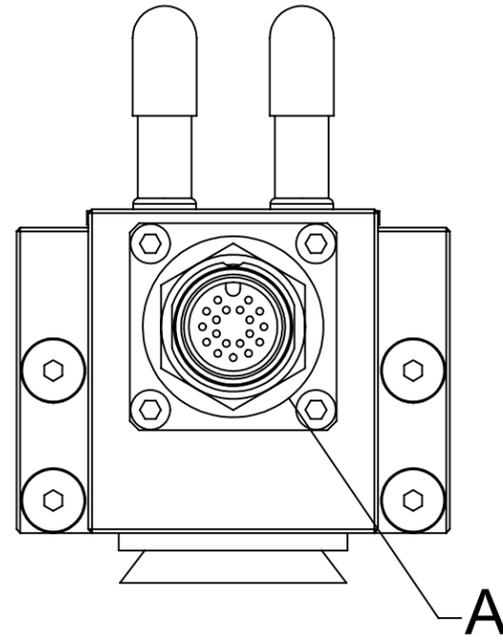
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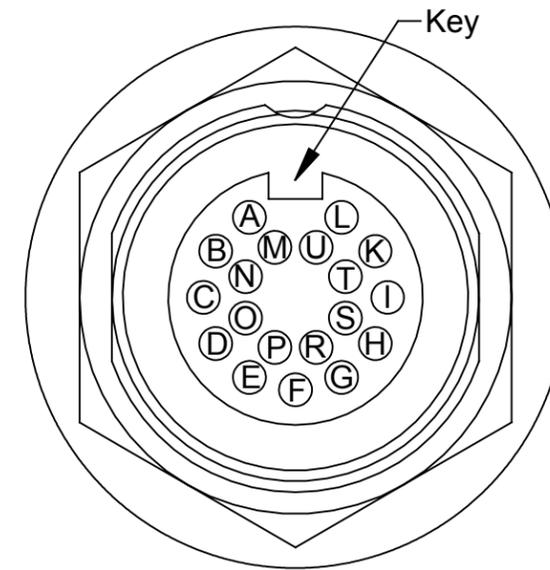


DRAWN BY: J. Williams, 11/15/07		TITLE	
CHECKED BY: D.Lawson, 11/16/07		RF19R Master with RF14 Tool Module Drawing	
PROJECT # 071101-1	SHEET 1 OF 3	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-RF19RM RF14T		REVISION 04	

9120-RF19R-M

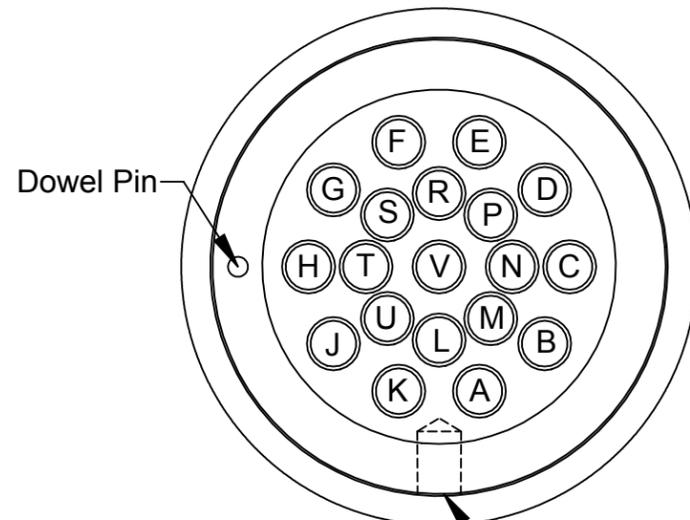
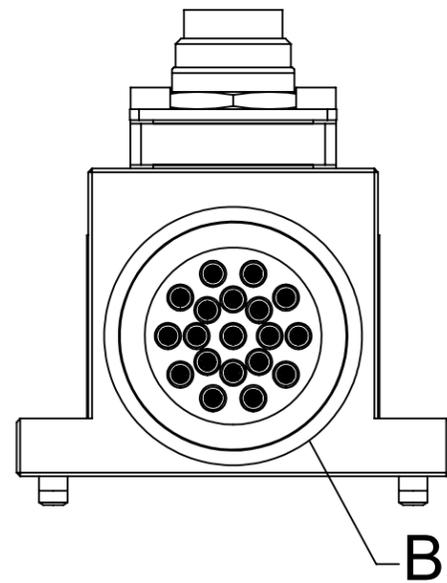
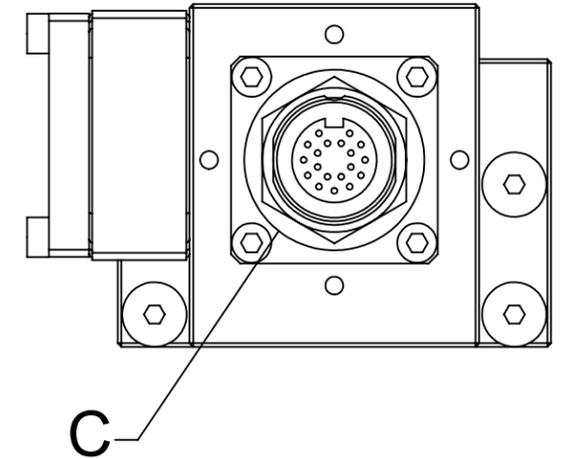


DETAIL A
SCALE 3 : 1

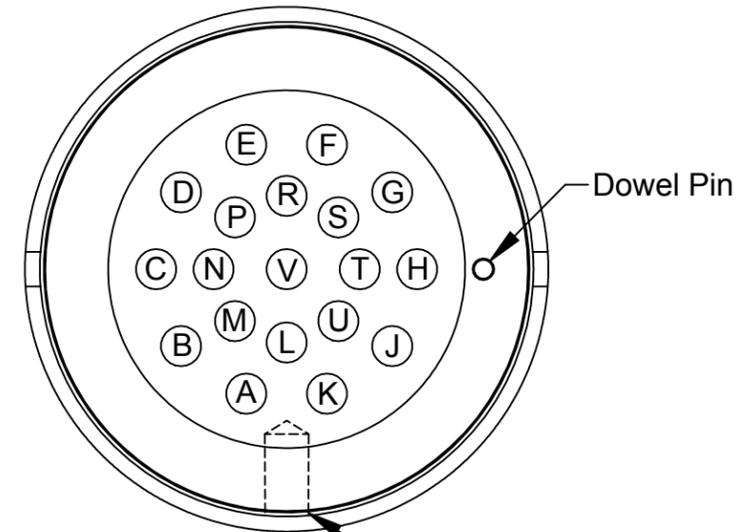


DETAIL C
SCALE 3 : 1

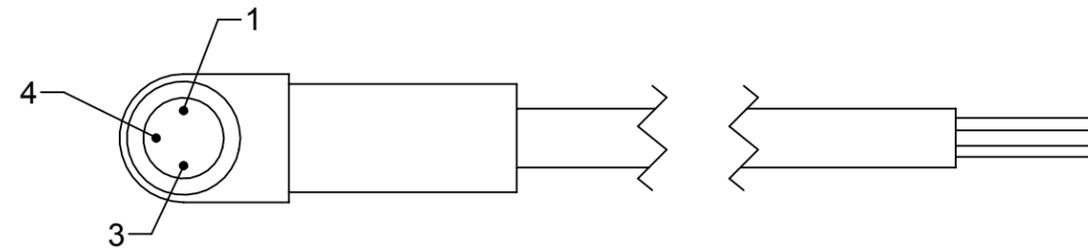
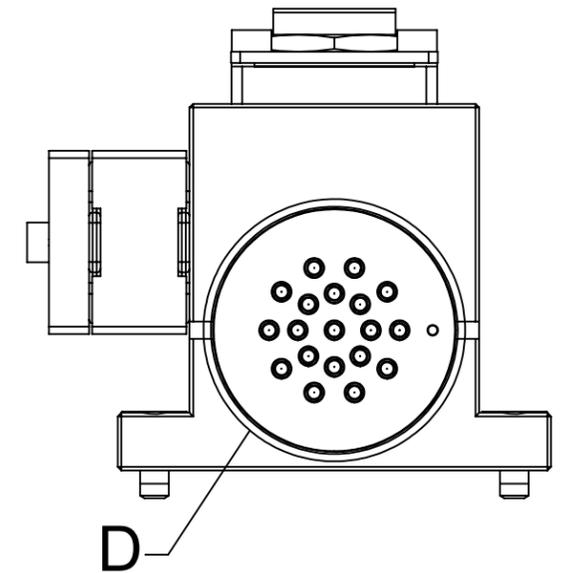
9120-RF14-T



DETAIL B
SCALE 2 : 1



DETAIL D
SCALE 2 : 1



M8, 3 Pole, Female 90°
Locked / Unlocked
2 PLCS

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PROJECT # 071101-1	SHEET 2 OF 3	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-RF19RM RF14T
				REVISION 04

9120-RF19RM-M

9120-RF14-T

ATI 19-Pin Block

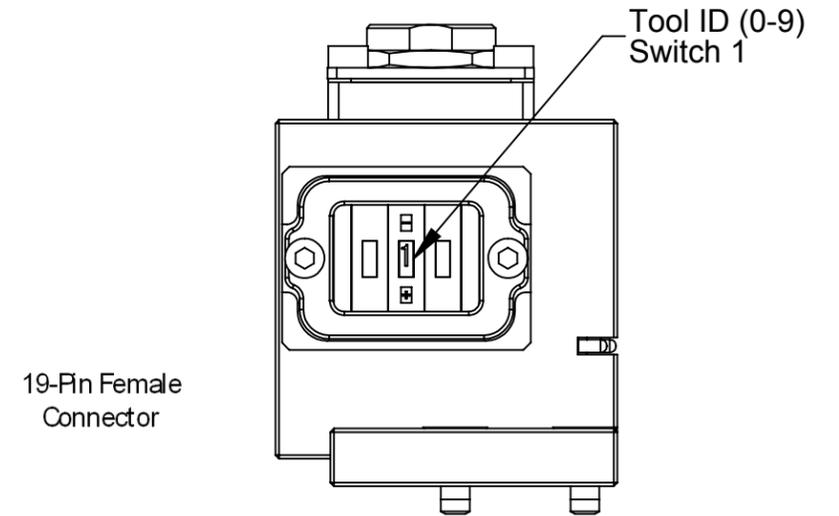
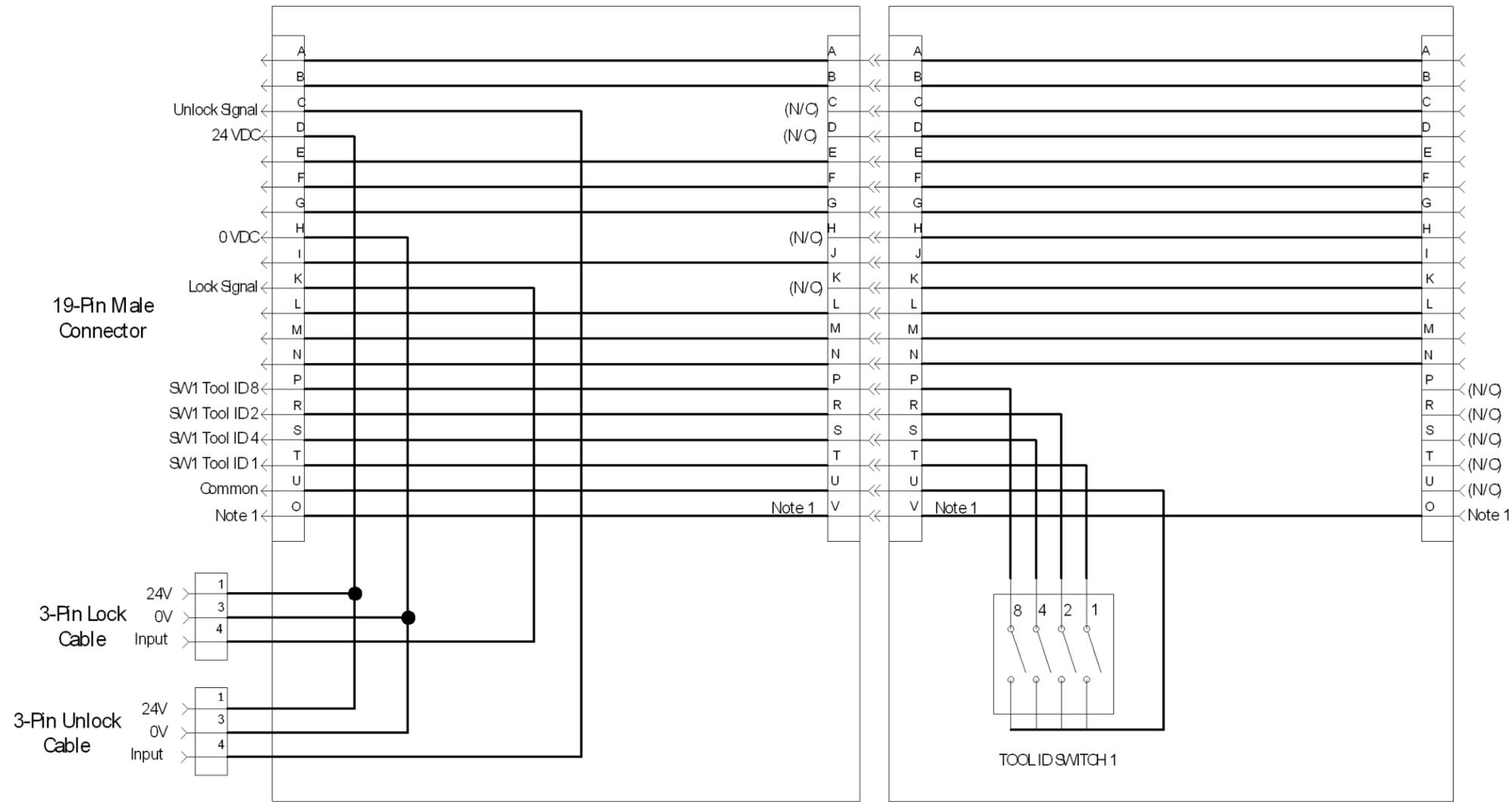


TABLE 1: TOOL ID BINARY OUTPUT

Switch Selection	Pin P	Pin S	Pin R	Pin T	Switch 1
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	

Notes:

1. Pin "O" is first to mate last to break at the tool changer interface. This pin is recommended for use as a ground.
2. Tool-ID Switch is rated for 0.1A / 30VDC
3. Customer must supply 10-30 VDC on Master Pin "D", 0VDC on Pin "H".

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PROJECT # 071101-1	SHEET 3 OF 3	SCALE 1:1	REVISION 04
SIZE B	DRAWING NUMBER 9630-20-RF19RM RF14T		