

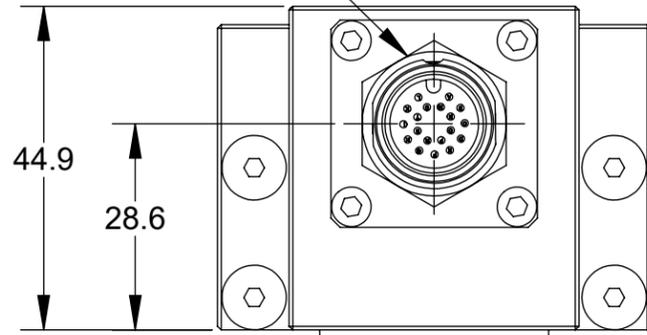


" DANGER!" - Electrical Shock Hazard

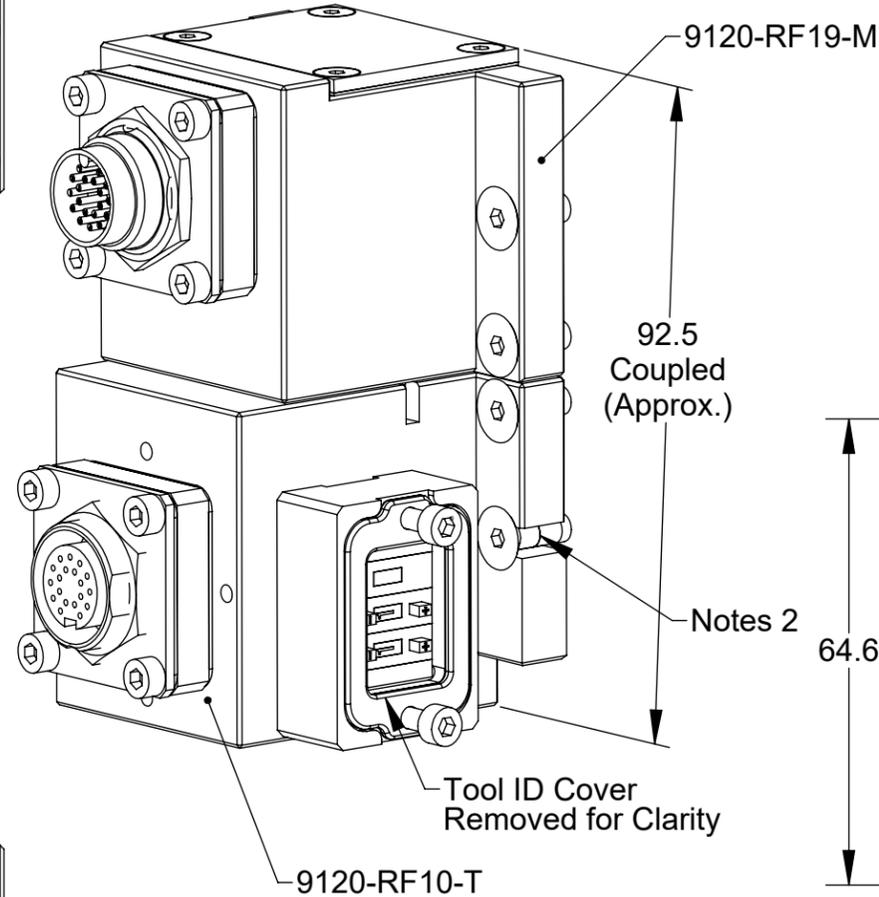
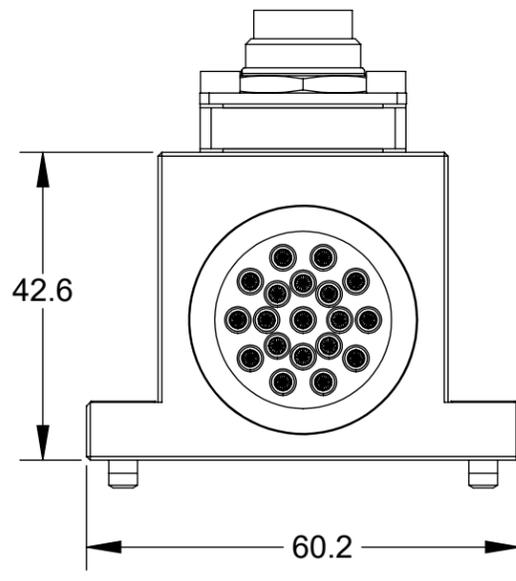
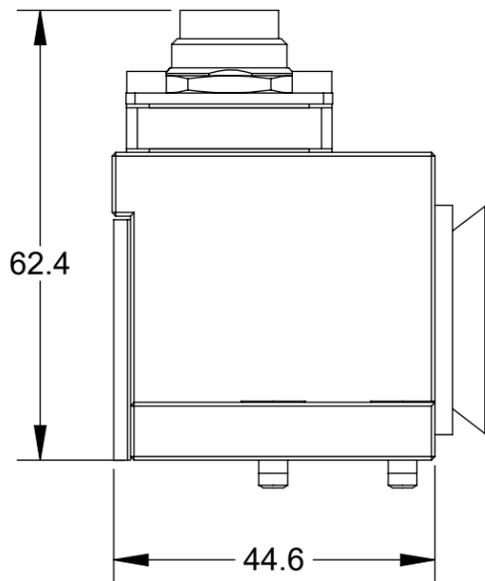
This module has a Voltage of 50V or greater, NO contact should be attempted before removing power. This especially includes separation or insertion of the mating connectors or any contact with the tool changer or its components."

Rev.	Description	Initiator	Date
04	Eco 20853; Added Connector/Pin Block Details to Sheet 2. Updated drawing and schematic to standard. Added High Voltage Note. Updated Master Side Connector Manufacturing Part Number from Turck to Signal. Master Side- Dim 62.4 was 64.6	CF	9/15/2022

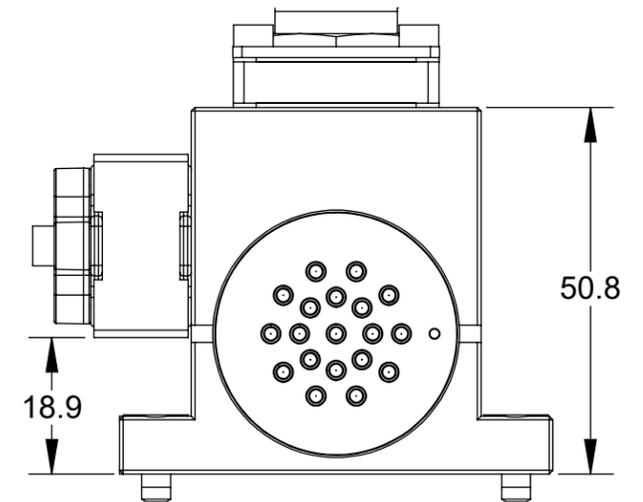
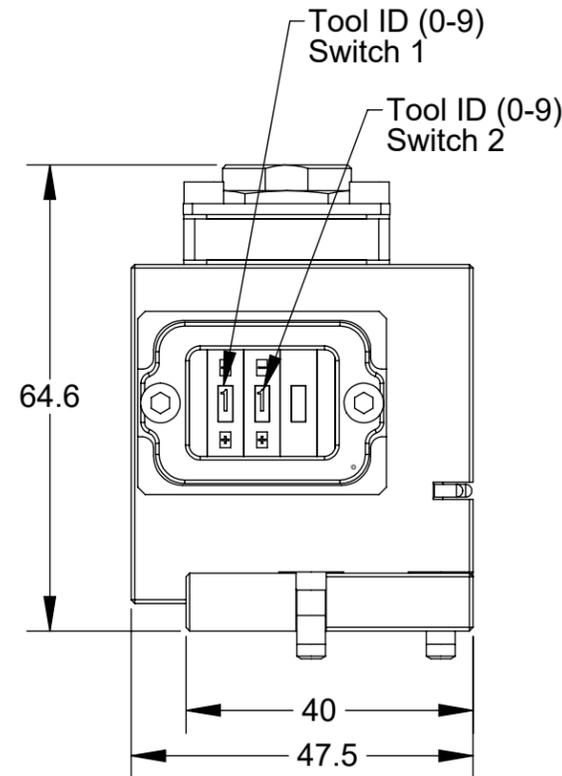
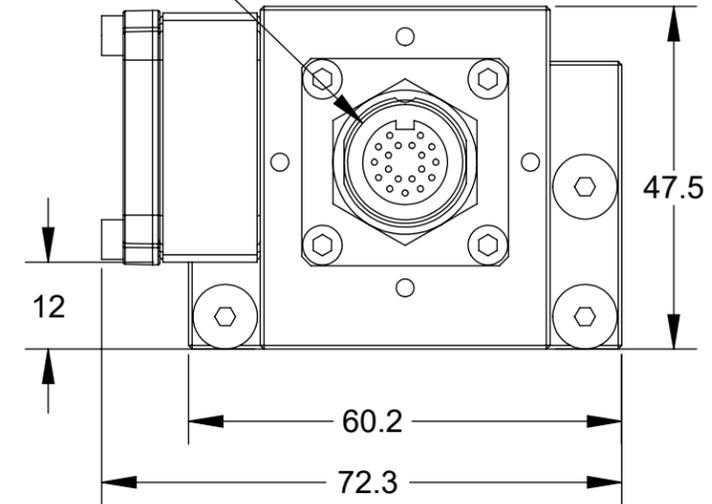
19-Pin Male Connector
Signal Electric
160019-03-003
9120-RF19-M



Serviceable Part:
(V-Ring)
4010-0000030-01



Turck BKFD 19
Female Connector
9120-RF10-T



- Notes:
1. See Sheets 2 & 3 for wiring and pin out.
 2. Latest models have a slot added to allow screw to be inserted without removing tool ID housing. A stubby or short arm hex key (non ball end) is required to install the fastener in the slotted location.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



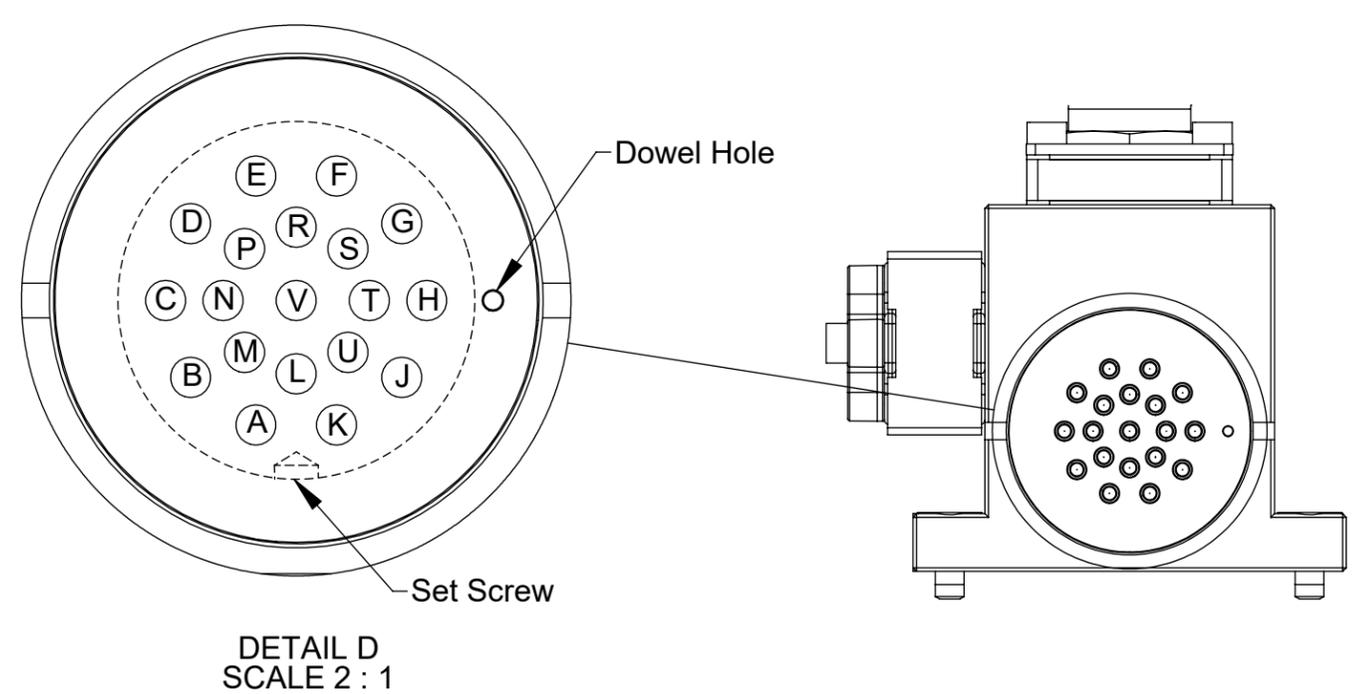
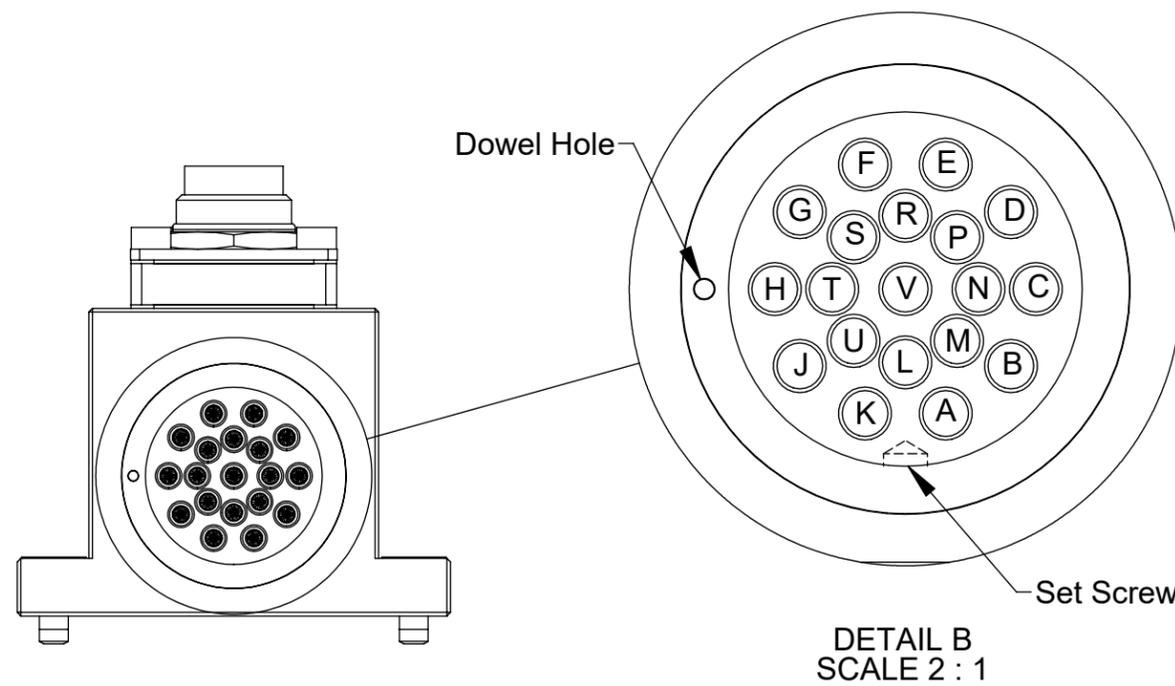
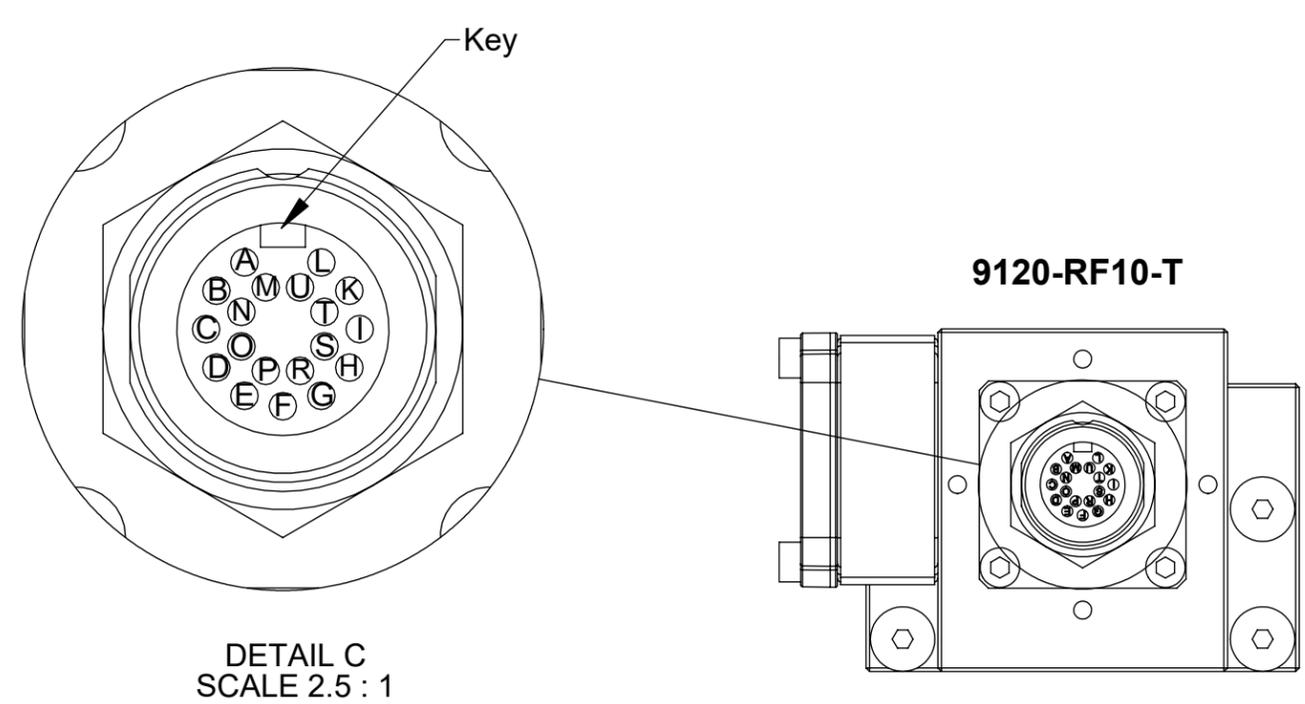
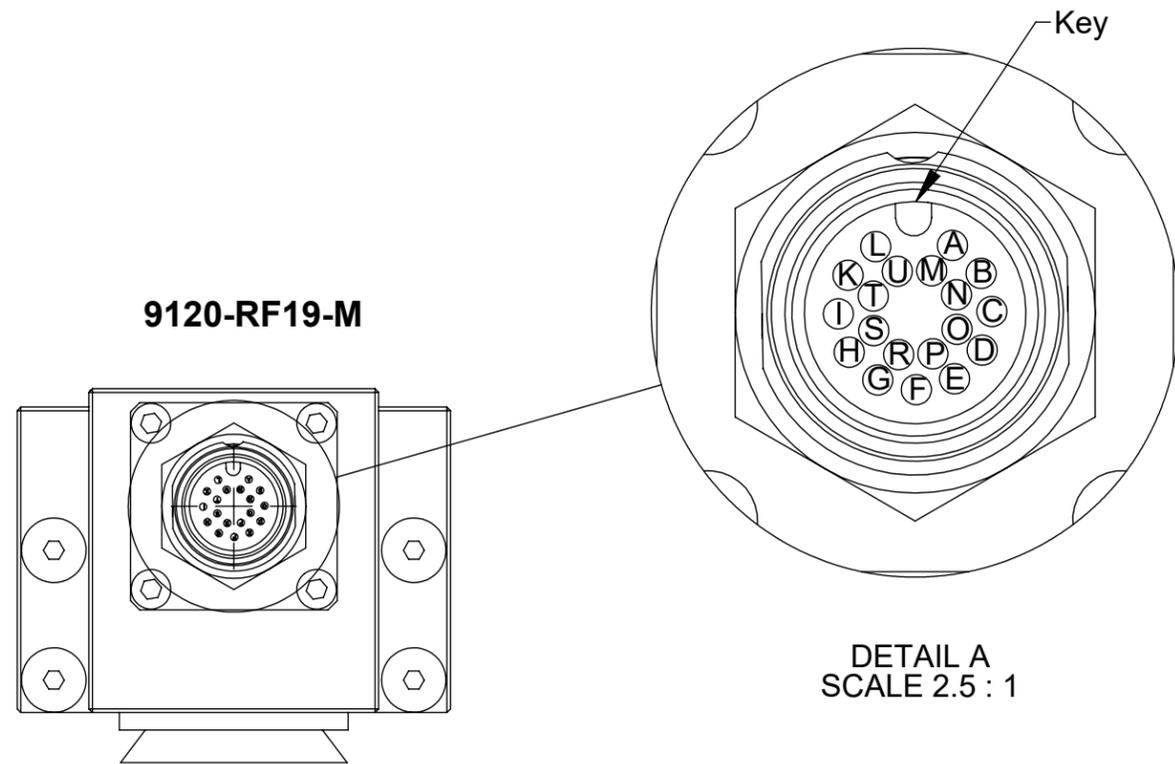
3rd ANGLE PROJECTION



1031 Goodworth Drive, Apex, NC 27539, USA
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Fax: +1.919.772.8259 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: J. Williams, 10/30/08		TITLE	
CHECKED BY: DKL & DTM, 11/4/08		RF19 Master with RF10 Tool Module Drawing	
PROJECT # 071101-1	SHEET 1 OF 3	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-RF19M RF10T		REVISION 04	



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PROJECT #	SHEET	SCALE	SIZE	DRAWING NUMBER
071101-1	2 OF 3	1:1	B	9630-20-RF19M RF10T
				REVISION
				04

9120-RF19-M

9120-RF10-T

19-Pin Block

19-Pin Male Connector

19-Pin Female Connector

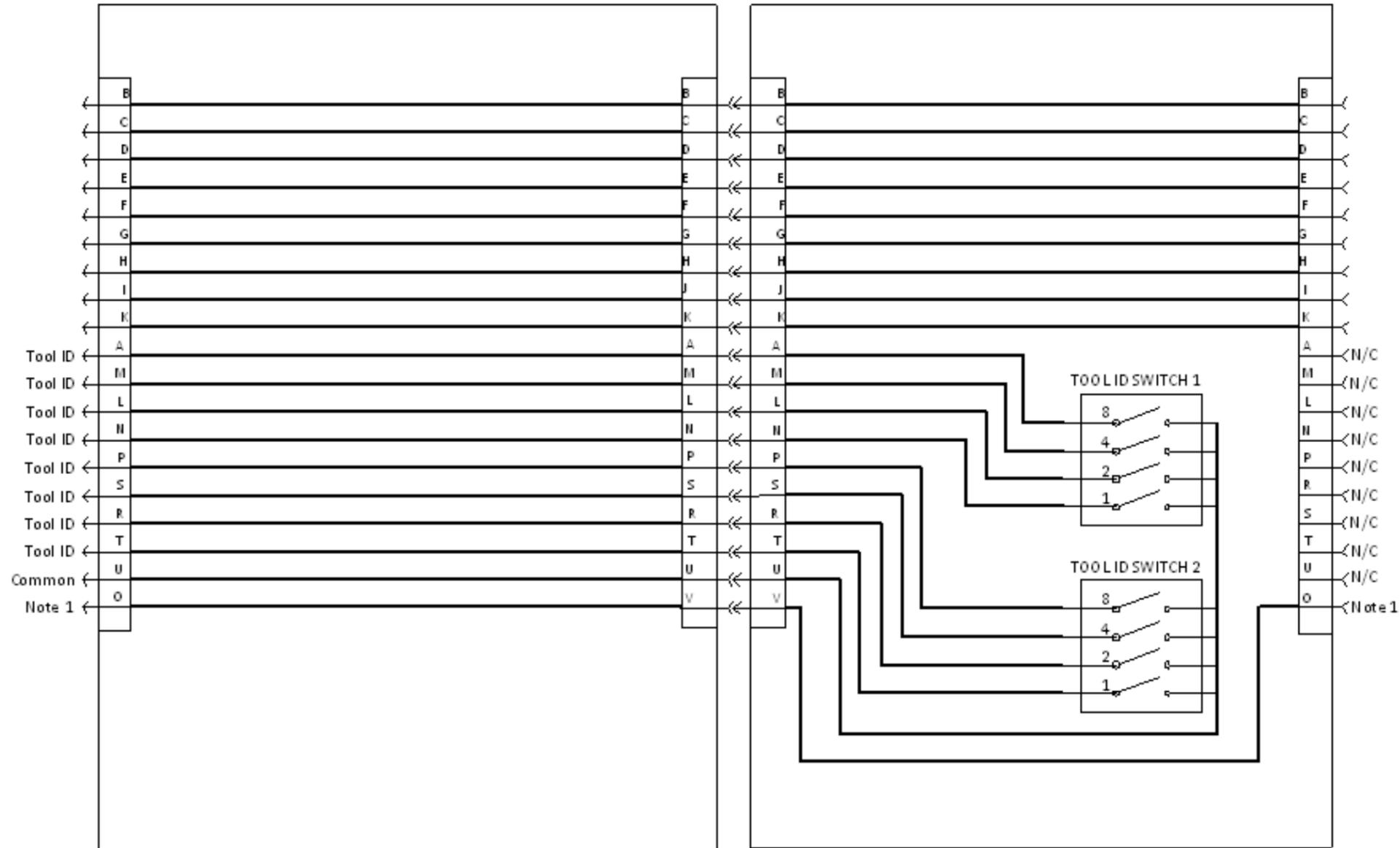


TABLE 1: BINARY OUTPUT OF TOOL ID

Selection Switch	Pin	Pin	Pin	Pin	Switch 1	Switch 2
	A	M	L	N		
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		

Signal Legend
 Pin O: 0 VDC (Recommended) (See Note 1)
 Pin U: 5-50 VDC 100mA (Tool ID) (See Note 3)

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.
3. Pin "U" is common for tool ID (5-50 VDC 100mA Max).

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DRAWN BY: J. Williams, 10/30/08		TITLE	
CHECKED BY: DKL & DTM, 11/4/08		RF19 Master with RF10 Tool Module Drawing	
PROJECT # 071101-1	SHEET 3 OF 3	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-RF19M RF10T		REVISION 04	