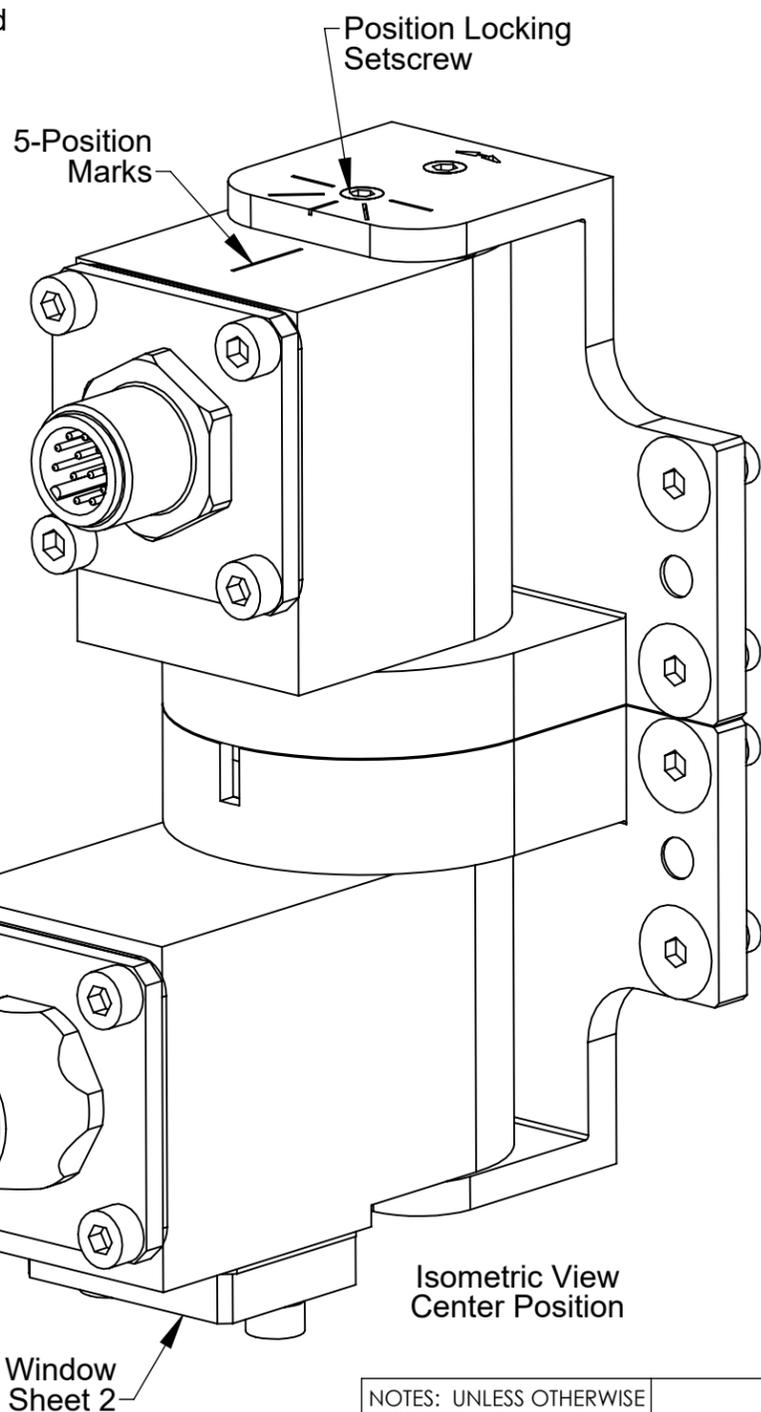
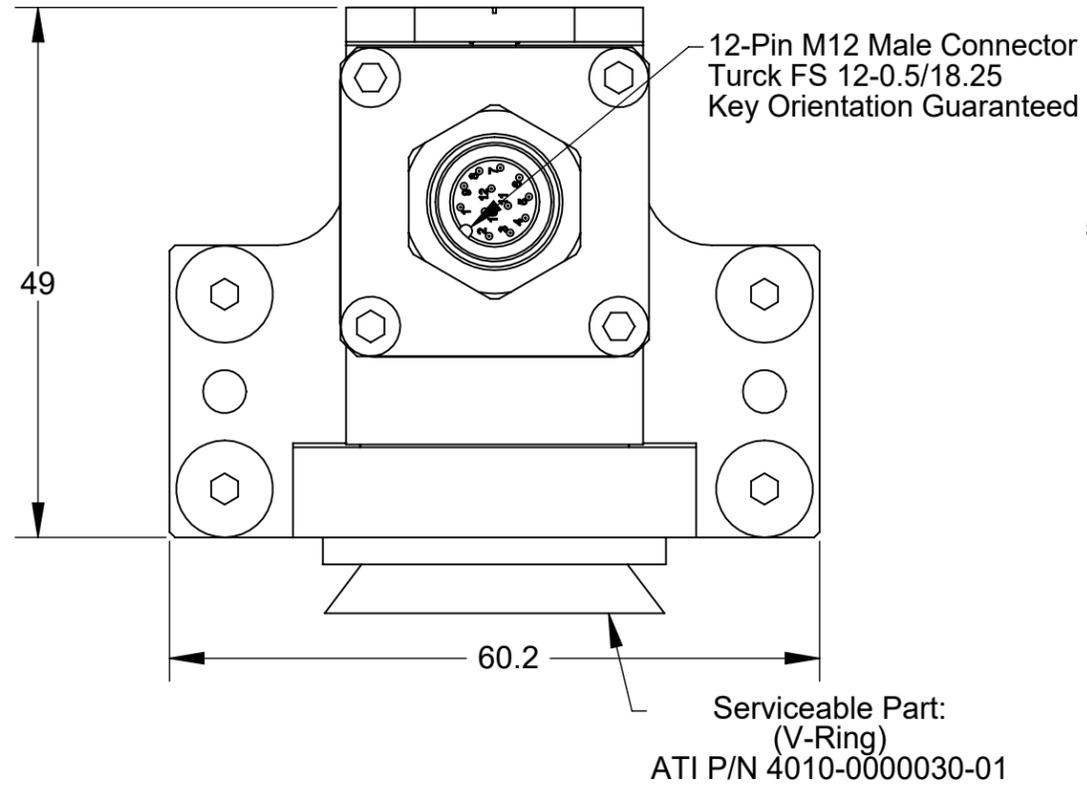
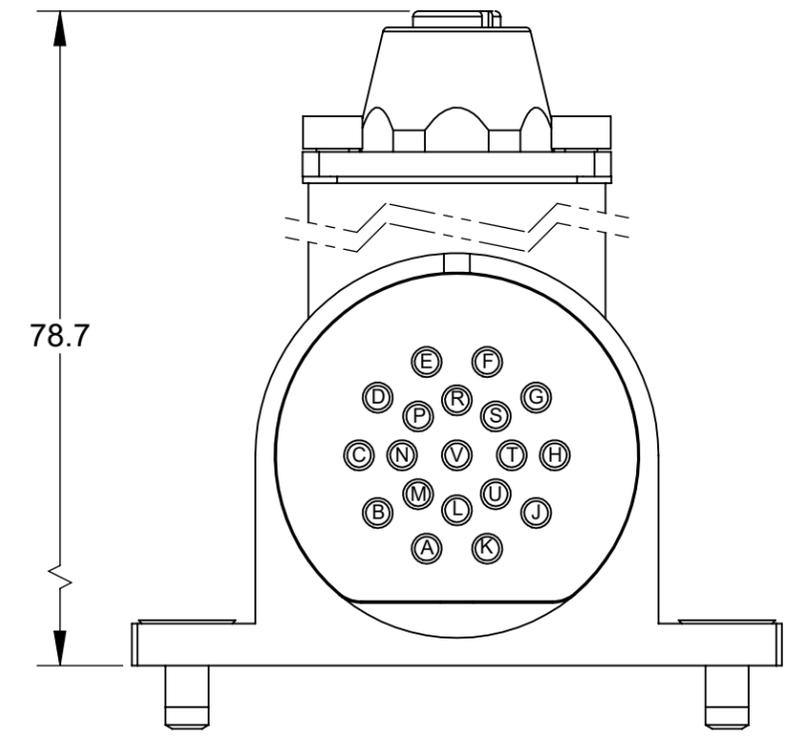
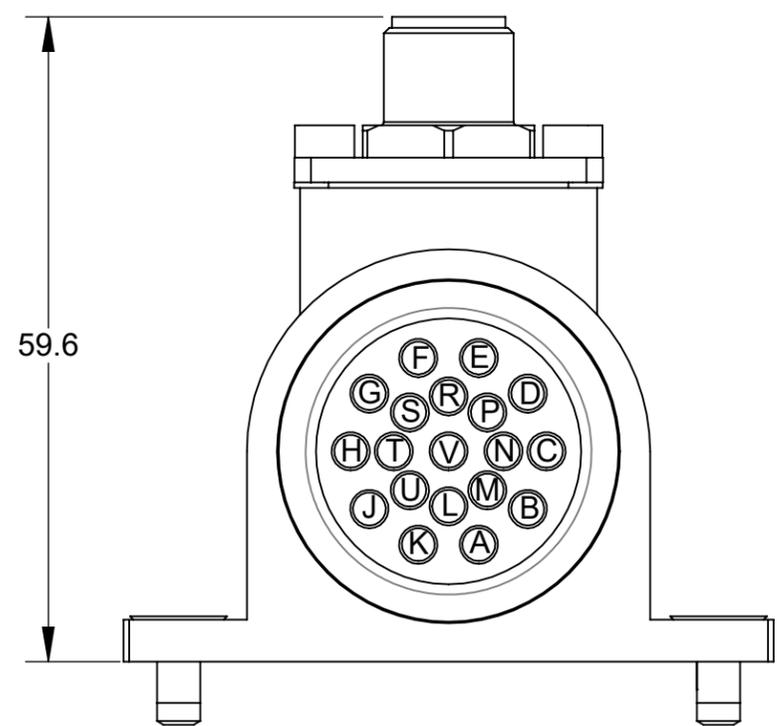
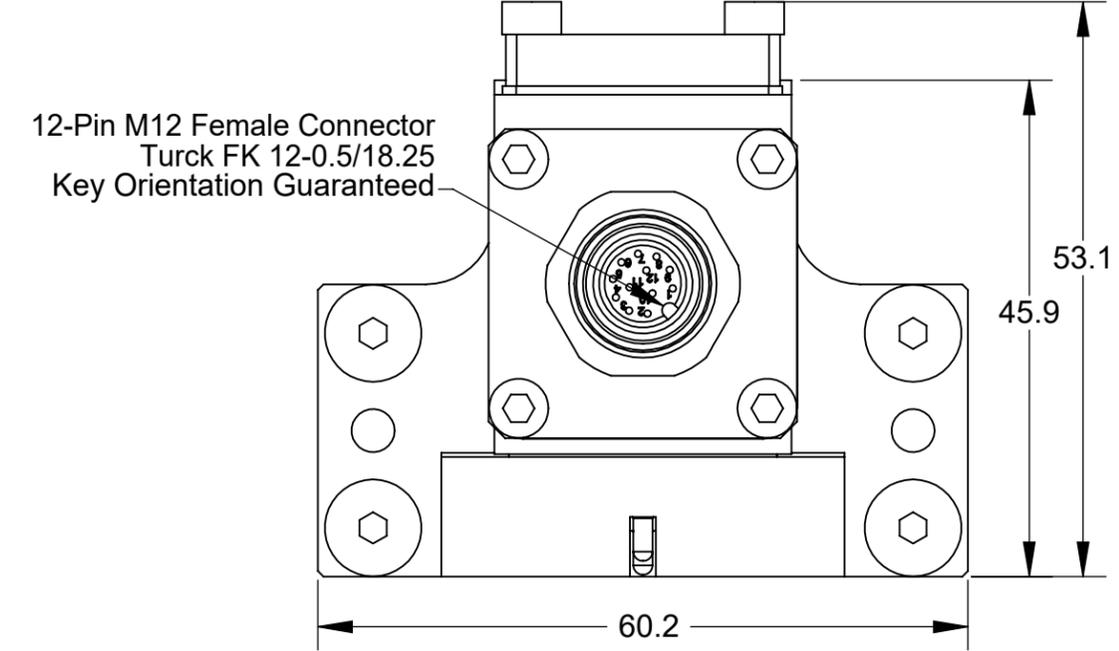


Rev.	Description	Initiator	Date
02	Release.	WB	4/29/2021

**G12 Master Module
(9120-G12-M)**



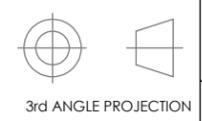
**G8 Tool Module
(9120-G8-T)**



- Notes:**
- The Master and Tool modules have 5-position options which can be adjusted as required.
 - Warning:** The modules must be adjusted and secured into position prior to operation, otherwise internal damage to conductors may occur.
 - See Sheet 2 for Electrical Schematic.

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 www.ati-ia.com
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: W. Berrocal		TITLE	
CHECKED BY: M. Newell, 3/24/21		G12 Master with G8 Tool Module Drawing	
SCALE	SIZE	DRAWING NUMBER	REVISION
1:1	B	9630-20-G12M G8T	02
PROJECT # 210108-1		SHEET 1 OF 2	

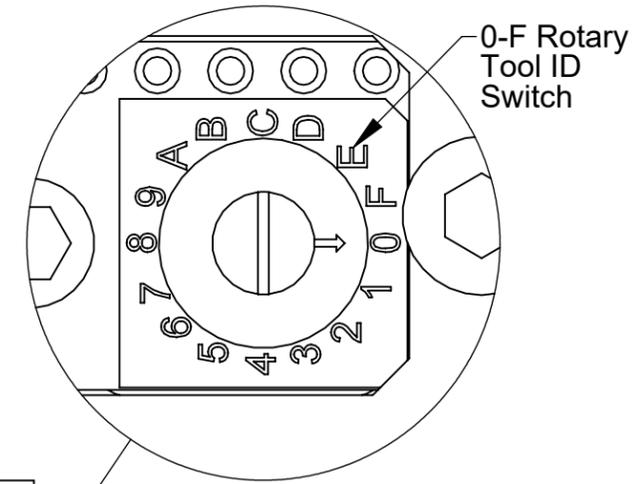
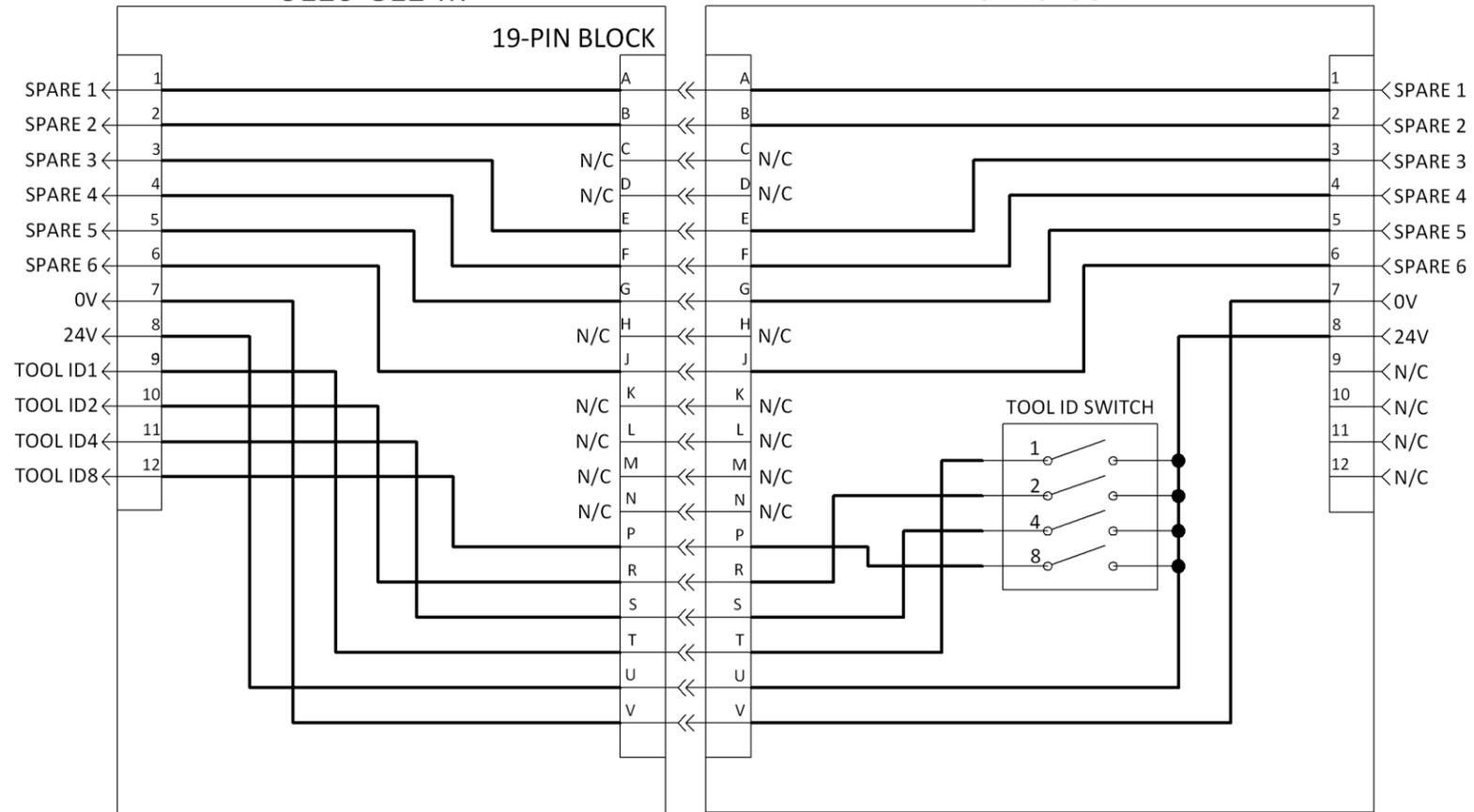
ELECTRICAL SCHEMATIC

9120-G12-M

9120-G8-T

12-Pin M12
Male
Connector

12-Pin M12
Female
Connector



DETAIL A
SCALE 4 : 1

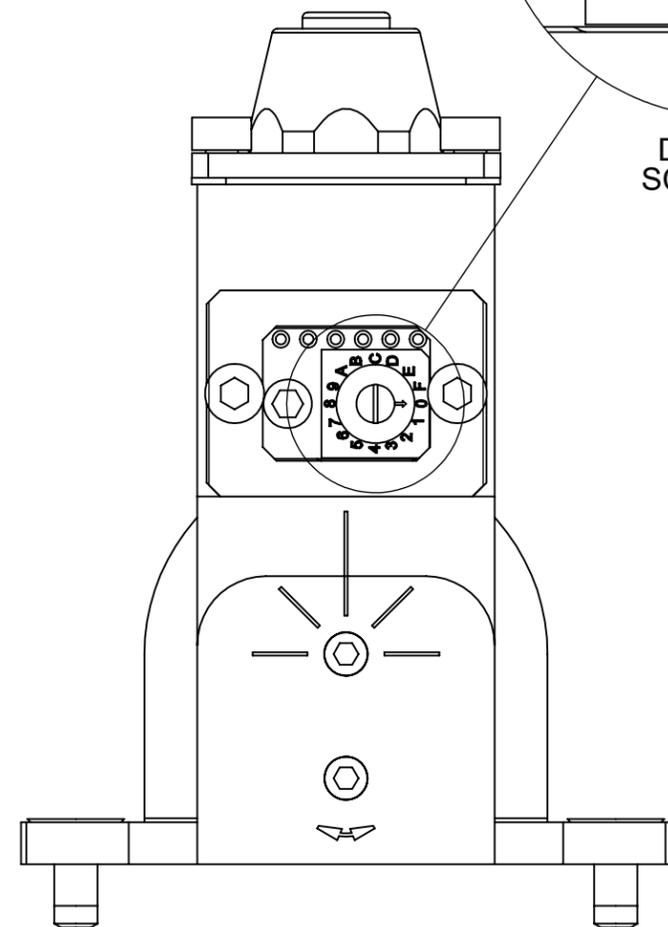


TABLE 1: Binary Output of Tool ID

Switch Selection	12-Pin Connector (Master)			
	Pin 12	Pin 11	Pin 10	Pin 9
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 "7" at the connector interface is First-to-Mate, Last-to-Break at the pin block interface. This pin is recommended for use as ground.
2. Electrical Rating: <50V, 2A. Tool ID switch is rated to 30mA/30VDC.
3. Refer to Table 1 for the Tool ID output. A total of 0-F (0-15) Tool ID's are available. Use Pin '8' of the 12-Pin Connector 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 www.ati-ia.com
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: W. Berrocal		TITLE	
CHECKED BY: M. Newell, 3/24/21		G12 Master with G8 Tool Module Drawing	
PROJECT # 210108-1	SHEET 2 OF 2	SCALE	SIZE
		1:1	B
		DRAWING NUMBER	REVISION
		9630-20-G12M G8T	02