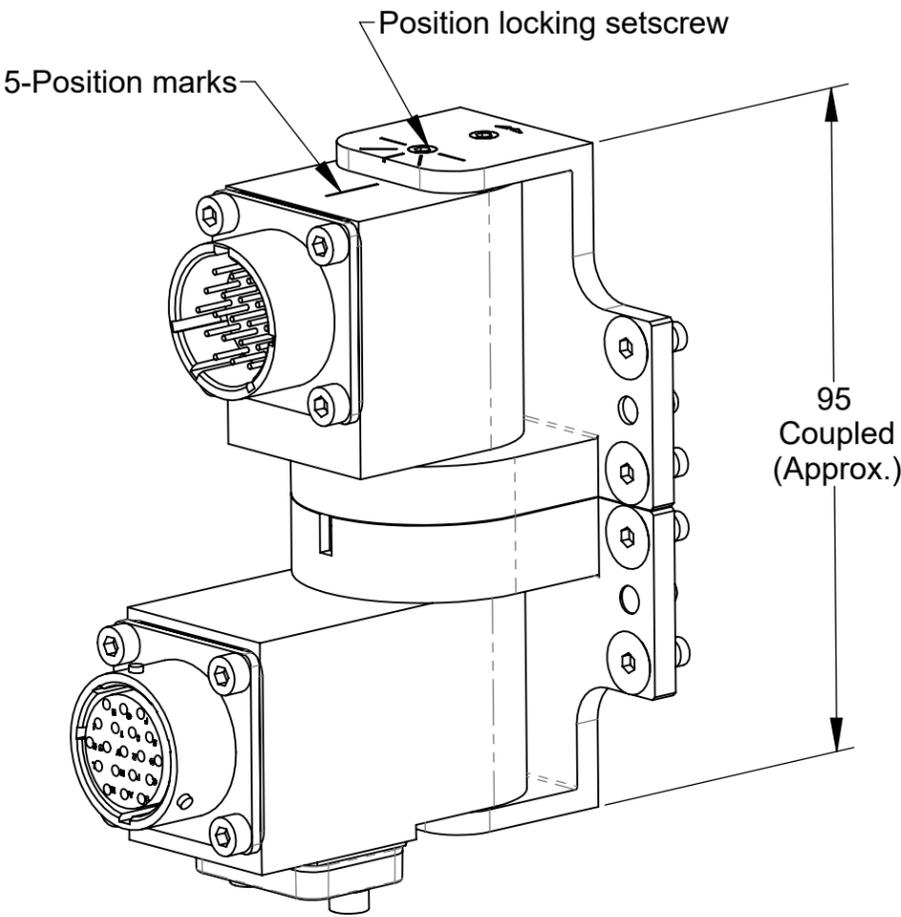
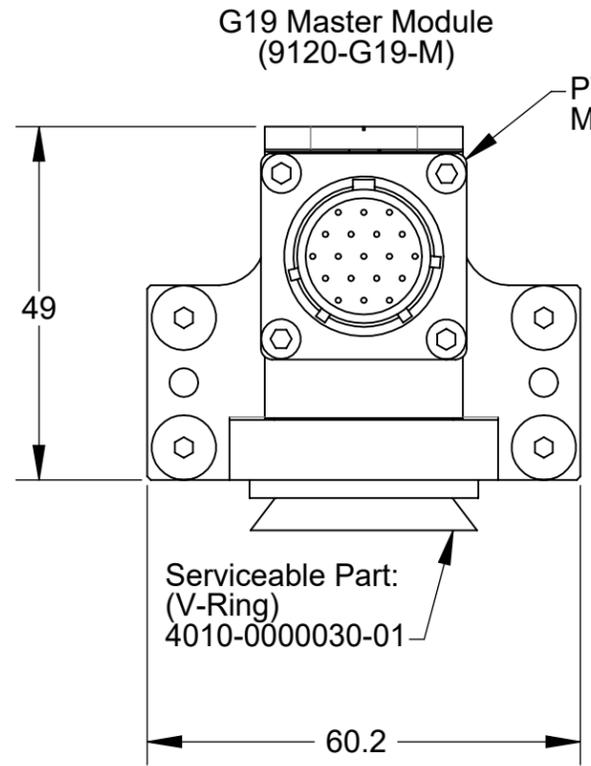


Rev.	Description	Initiator	Date
03	ECO 19665: Updated to reflect changes in G14 Tool Module. Updated title block to new format.	REH	2/15/2022

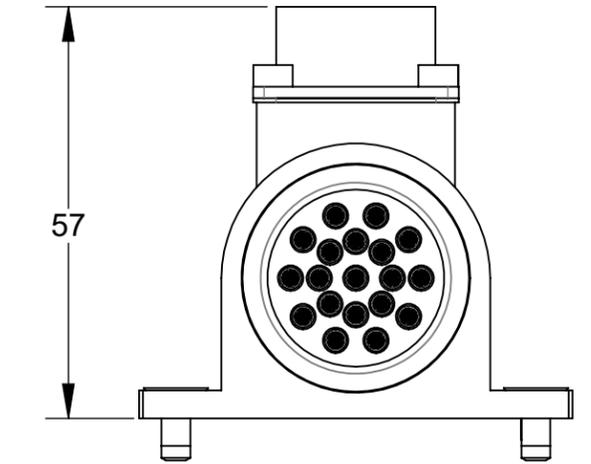
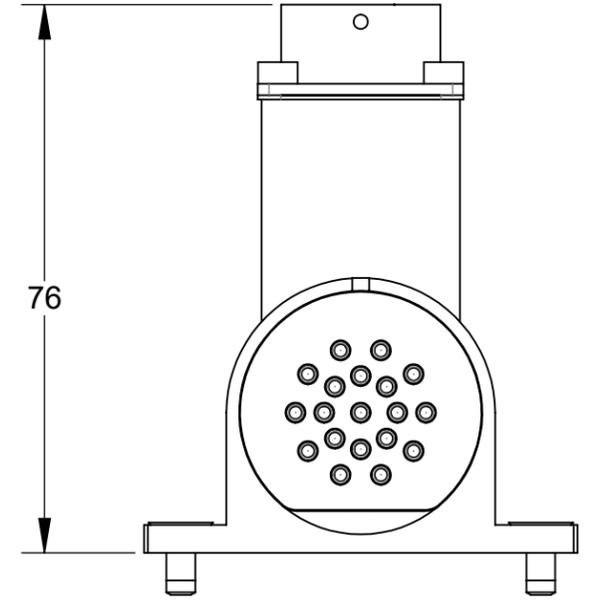
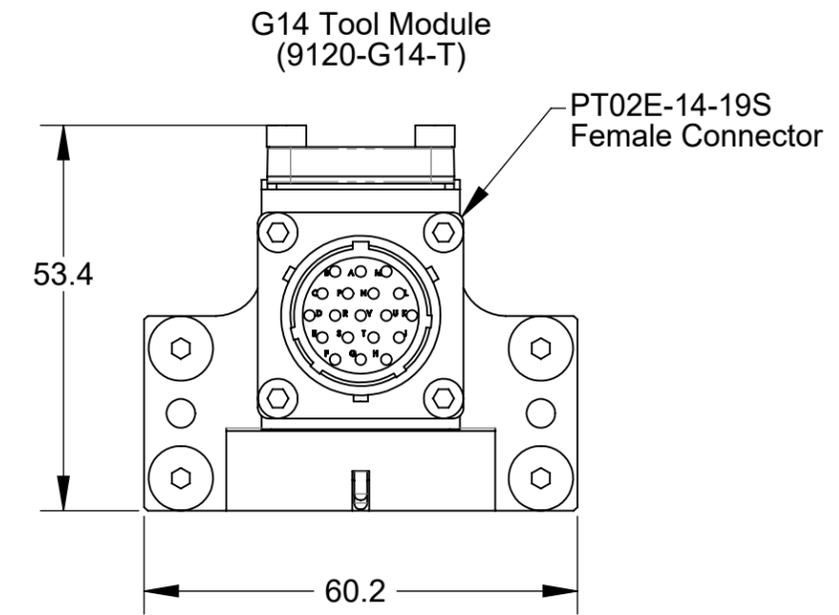


**" DANGER!" - Electrical Shock Hazard**

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."

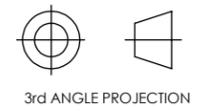


Isometric View  
Center Position



- Notes:
1. The master module and tool module have 5-position options which can be adjusted as required.
  2. **Warning:** The modules must be adjusted and secured into position prior to operation, otherwise internal damage to conductors may occur.

NOTES: UNLESS OTHERWISE SPECIFIED  
DO NOT SCALE DRAWING.  
ALL DIMENSIONS ARE IN MILLIMETERS.



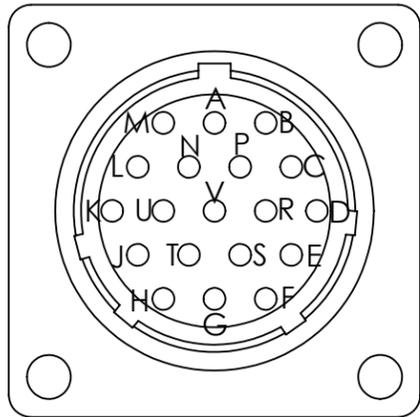
1031 Goodworth Drive, Apex, NC 27539, USA  
Tel: +1.919.772.0115 Fax: +1.919.772.8259  
www.ati-ia.com ISO 9001 Registered Company

DRAWN BY: D. Wagner 3/12/09		TITLE 9630-20-G19M-G14T Module Drawing	
CHECKED BY: DSS 3-27-09		SCALE 1:1	DRAWING NUMBER 9630-20-G19M-G14T-02
WEIGHT LBS: -----		SIZE B	DATE: _____
ASSEMBLY REF:		PRODUCT RELEASE # 080730-2	SHEET 1 OF 2

G19 to G14 Pin Out

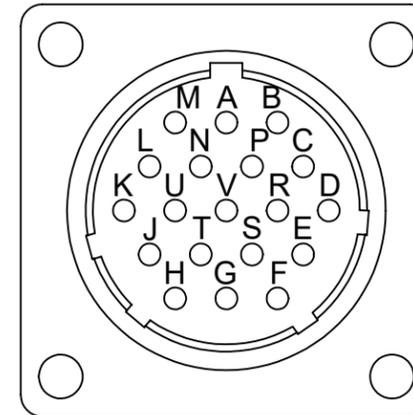
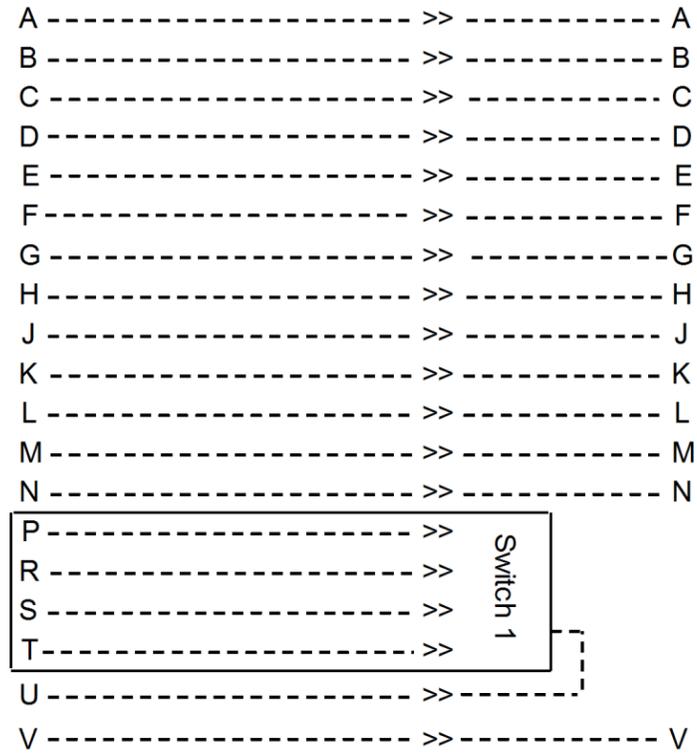
G19 Master  
PT02E-14-19P  
Male Connector

G14 Tool  
PT02E-14-19S  
Female Connector



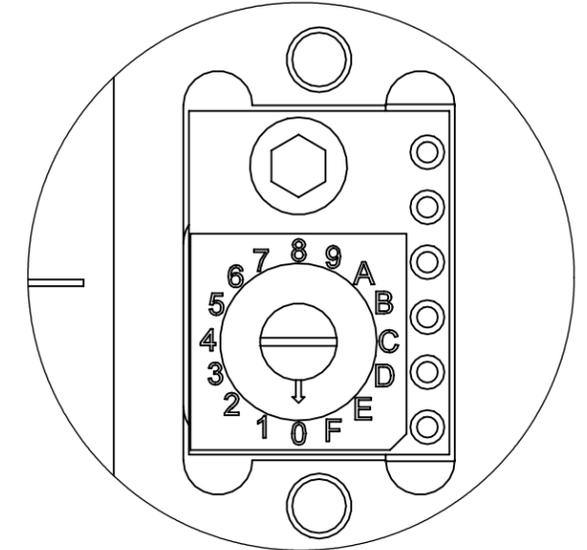
Face Side

Bendix Amphenol PT02E-14-19P



Face Side

Bendix Amphenol PT02E-14-19S



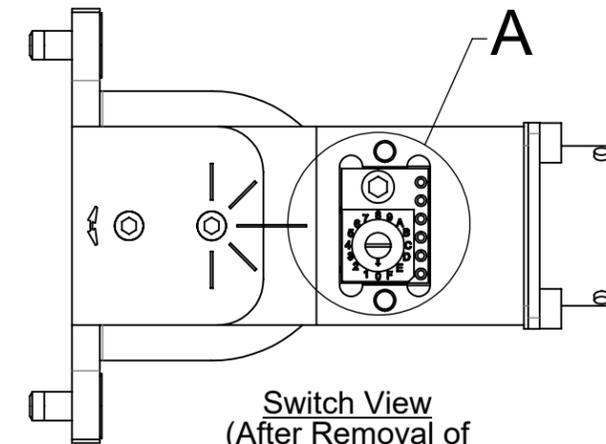
DETAIL A  
SCALE 3 : 1

Binary Output of Tool ID

Switch Selection	Pin P	Pin S	Pin R	Pin 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:

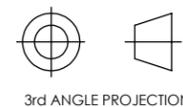
- Views of connectors are 3:1 scale.
- Pin "V" on the connector is First-to-Mate Last-to-Break at Tool Changer interface. This pin is recommended for use as ground.



Switch View  
(After Removal of  
Gasket, Cover and Screws)

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DRAWN BY: D. Wagner 3/12/09		TITLE 9630-20-G19M-G14T Module Drawing	
CHECKED BY: DSS 3-27-09		SCALE 1:1	DRAWING NUMBER 9630-20-G19M-G14T-02
WEIGHT LBS: -----		SIZE B	DATE: _____
ASSEMBLY REF:		PRODUCT RELEASE # 080730-2	SHEET 2 OF 2