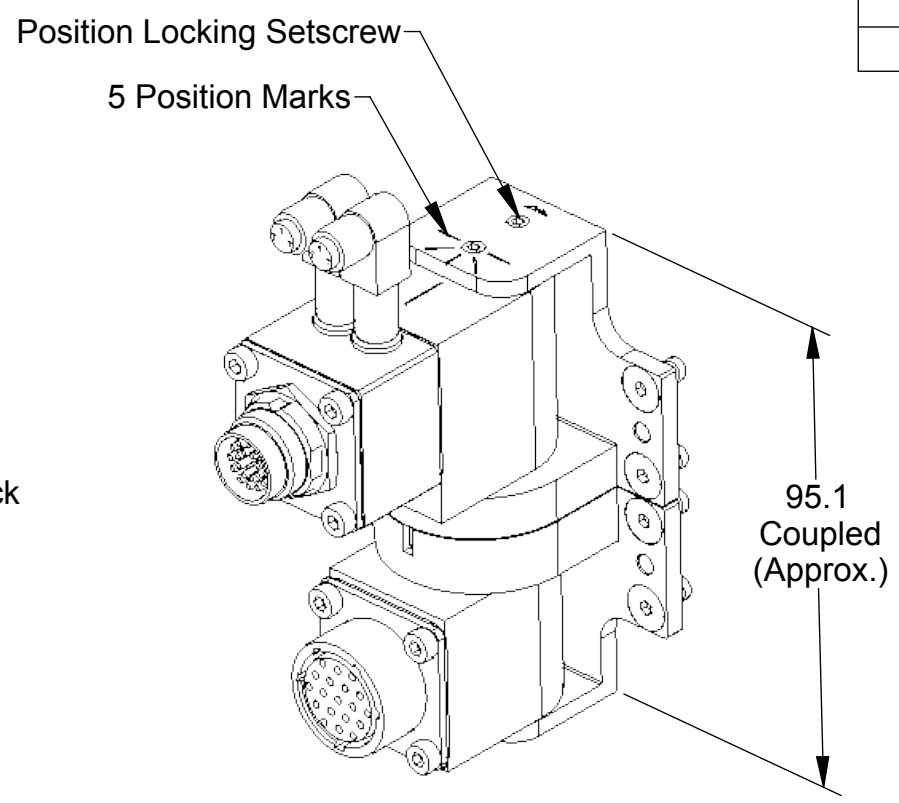
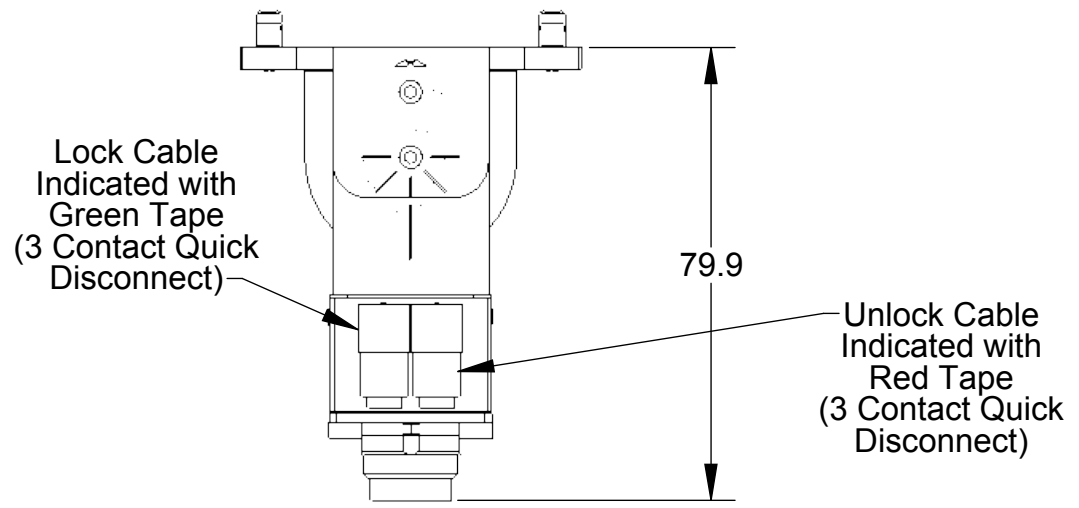
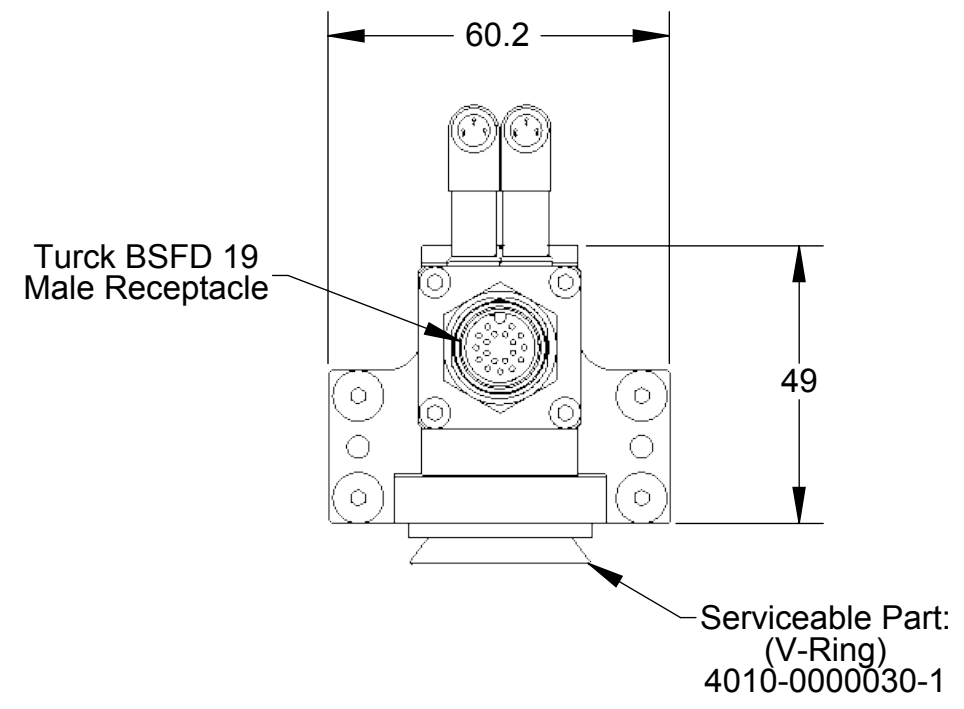
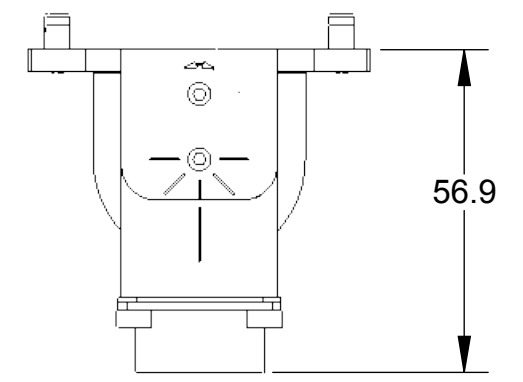


| Rev. | Description | Initiator | Date |
|------|--|-----------|------------|
| 01P | Initial Issue | JEW | 11/13/07 |
| 02 | Corrected Pin out on Amp. Connector | | 11/21/2007 |
| 03 | Corrected Connector Label on Wiring Dia. | JEW | 9/18/2008 |

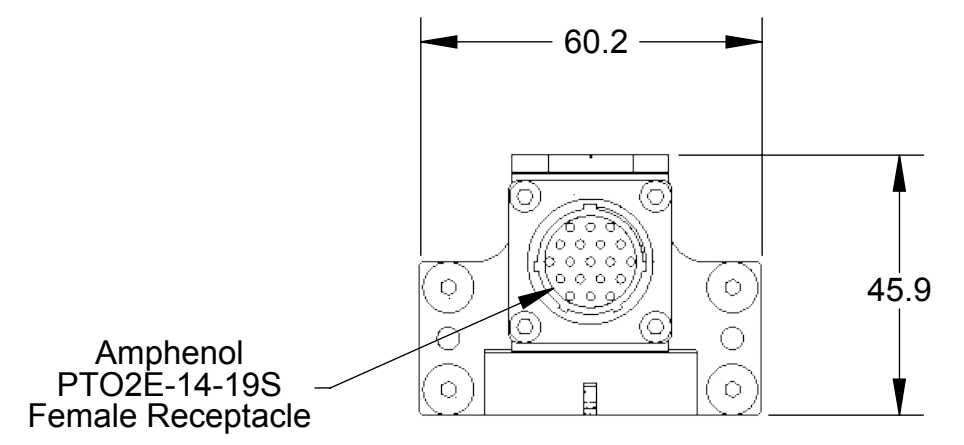
**GF19R Master Module
(9120-GF19R-M)**



**G19 Tool Module
(9120-G19-T)**

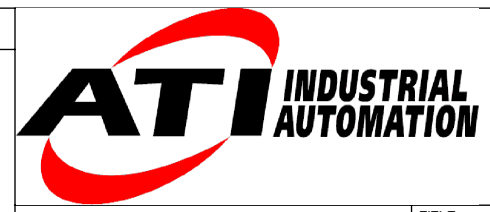
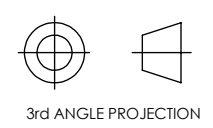


Connectors shown in Center Position



- Notes:
- The master and tool modules have (5) position options which can be adjusted as required.
 - WARNING:** The modules must be secured/Locked in a position prior to operation, otherwise internal damage to conductors will occur.

NOTES: UNLESS OTHERWISE SPECIFIED
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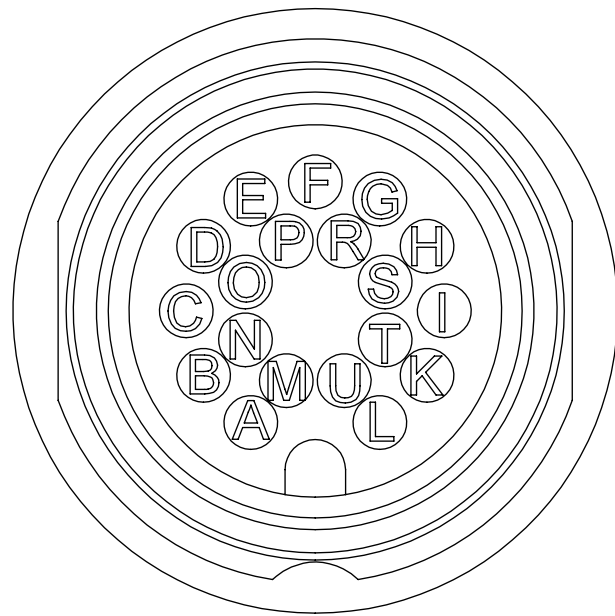


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| | | | |
|-------------------------------|--|--|--|
| DRAWN BY: J. Williams 11/5/07 | | TITLE GF19R Master with G19 Tool Module Drawing | |
| CHECKED BY: D. Lawson 11/2/07 | | SCALE 3:4 | DRAWING NUMBER 9630-20-GF19RM G19T-03 |
| WEIGHT LBS: 0.19 | | SIZE B | ASSEMBLY REF: |
| PRODUCT RELEASE # 071101-1 | | DATE: | SHEET 1 OF 2 |

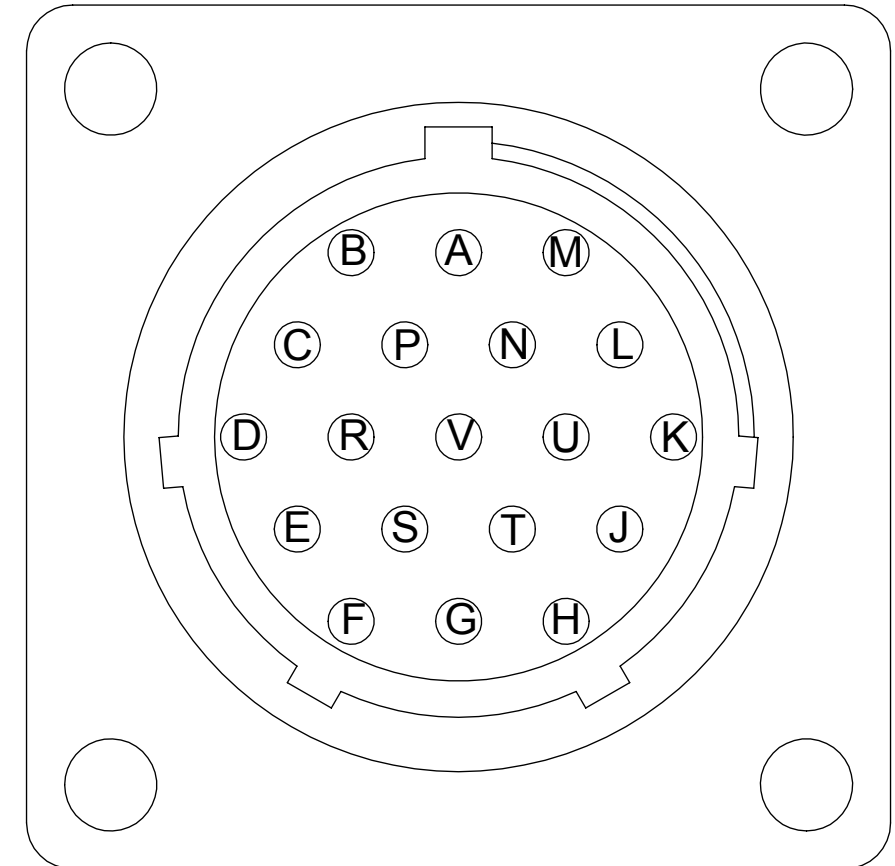
| Rev. | Description | Initiator | Date |
|------|-------------|-----------|------|
| - | See Sheet1 | - | - |

Master Side Connector

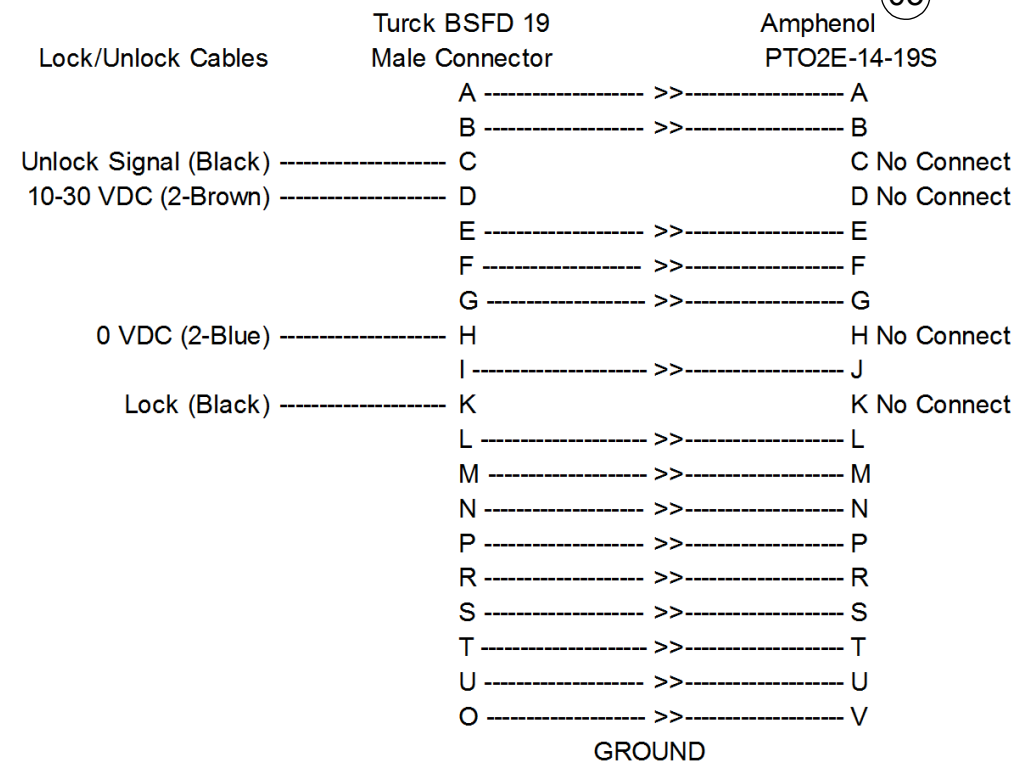


Turck BSFD 19
 Male Receptacle
 Scale 4:1

Tool Side Connector



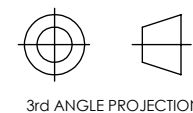
Amphenol
 PTO2E-14-19S



Notes;

- Pin "O" is first to mate last to break at the tool changer interface. This pin is recommended for use as a ground.
- Customer must supply 10-30 VDC on Master Pin "D", 0VDC on Pin "H".
- Lock/Unlock signals will be returned on master connector pin "K" & "C" respectively.
- DANGER!** -For electrical modules using >60 VDC or 42 VAC, 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.

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| | | | |
|-------------------------------|--|--|--|
| DRAWN BY: J. Williams 11/5/07 | | TITLE GF19R Master with G19 Tool Module Drawing | |
| CHECKED BY: D. Lawson 11/2/07 | | SCALE 3:4 | DRAWING NUMBER 9630-20-GF19RM G19T-03 |
| WEIGHT LBS: 0.19 | | SIZE B | ASSEMBLY REF: |
| PRODUCT RELEASE # 071101-1 | | DATE: | SHEET 2 OF 2 |