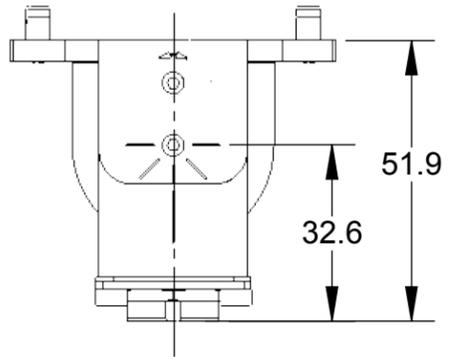
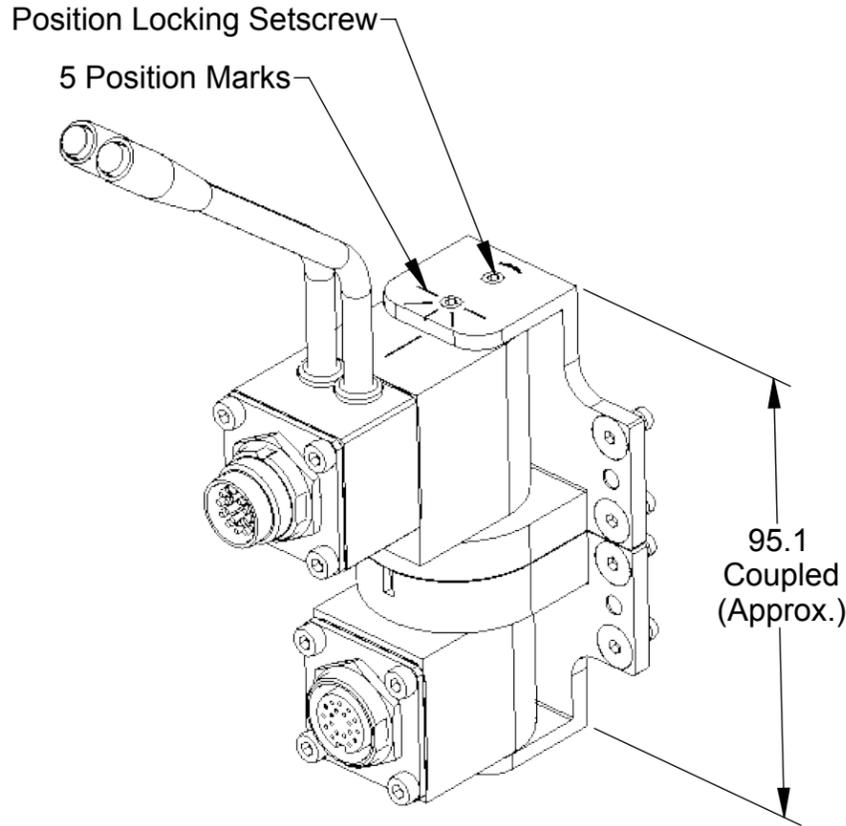
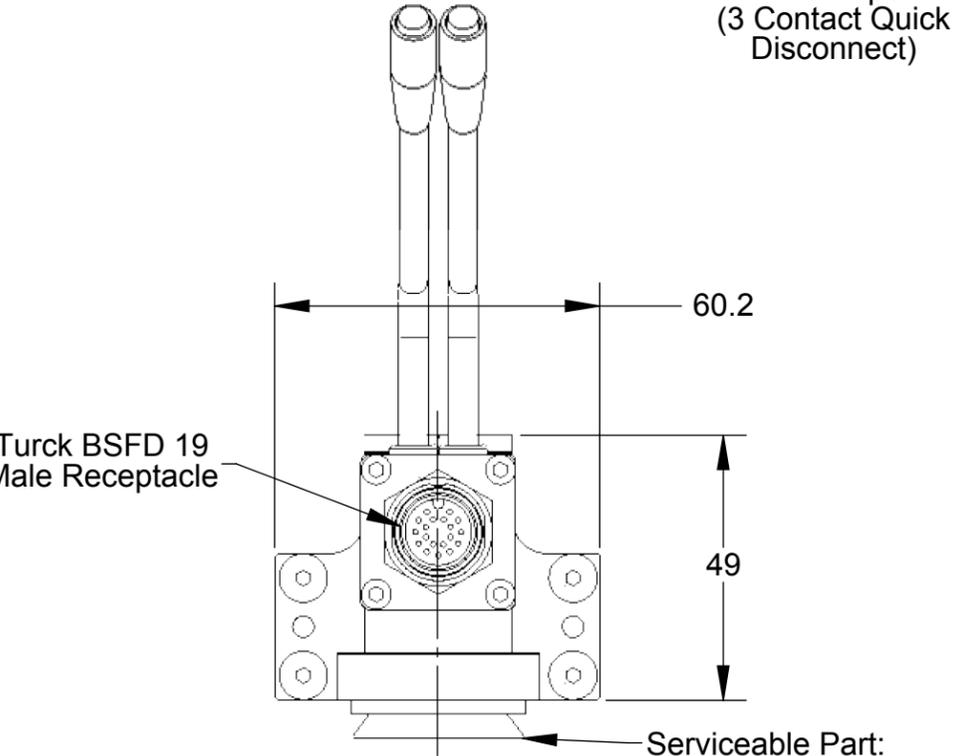
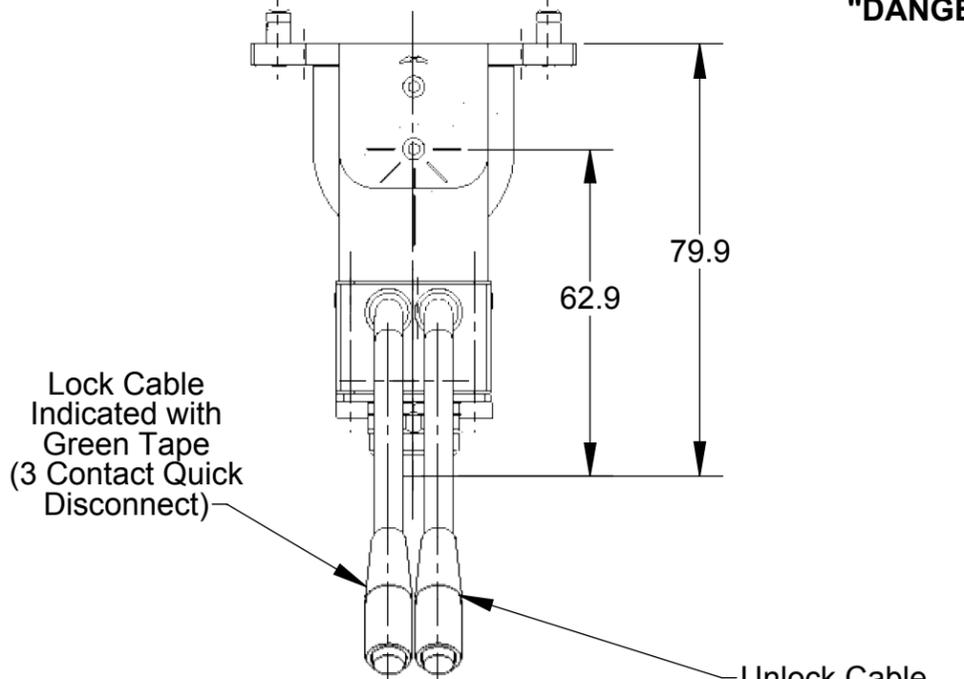


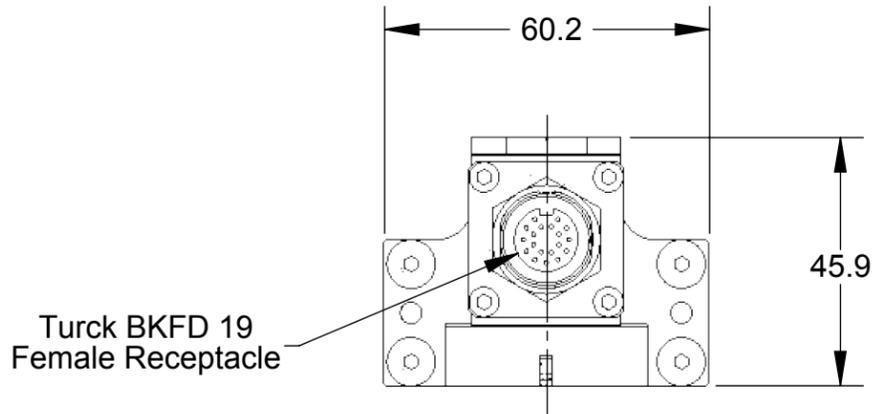
Rev.	Description	Initiator	Date
01	Initial Issue	JEW	9/18/08

**GF19W Master Module
(9120-GF19W-M)**

"DANGER! For electrical modules using > 60VDC 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.



**GF19 Tool Module
(9120-GF19-T)**



- 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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ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

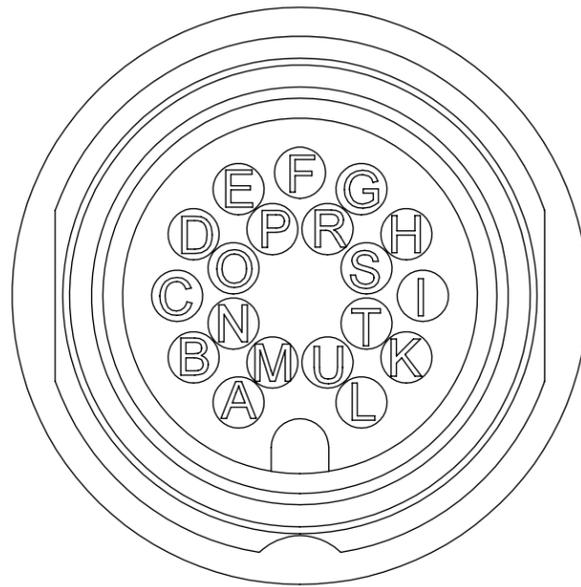


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ISO 9001 Registered Company

DRAWN BY: J. Williams 9/18/08		TITLE GF19W Master with GF19 Tool Module Drawing	
CHECKED BY: DLK & DTM 9/19/08		SCALE 3:4	DRAWING NUMBER 9630-20-GF19WM GF19T-01
WEIGHT LBS: 0.21		SIZE B	DATE
ASSEMBLY REF:		PRODUCT RELEASE # 071101-1	SHEET 1 OF 2

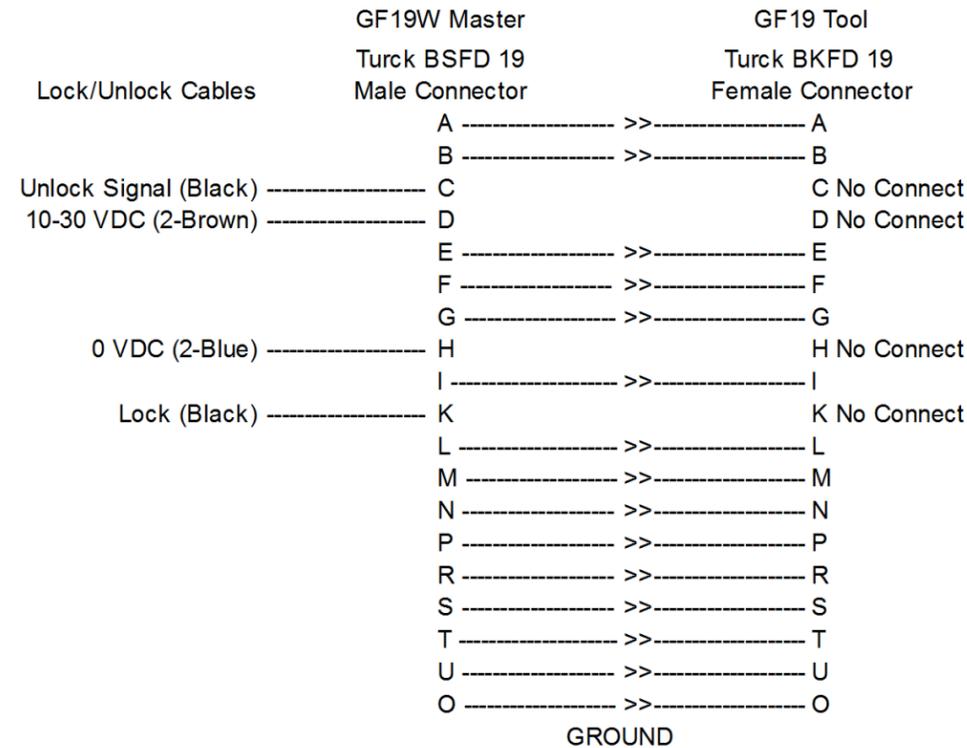
Rev.	Description	Initiator	Date
-	See Sheet1	-	-

Master Side Connector

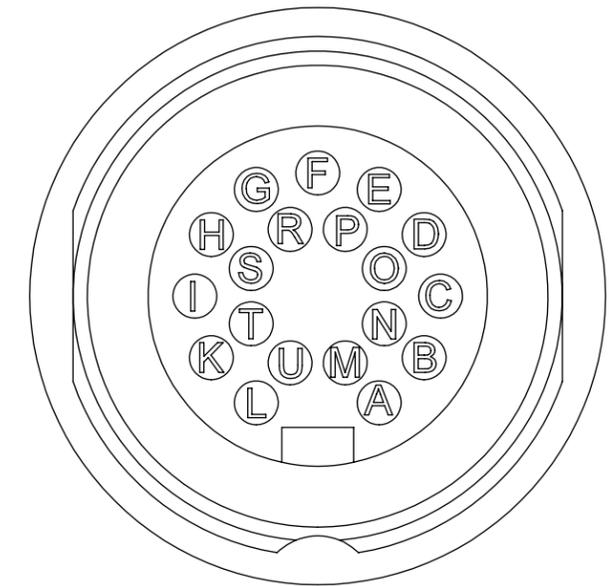


Turck BSFD 19
 Male Receptacle
 Scale 4:1

GF19W Master to GF19 Tool



Tool Side Connector

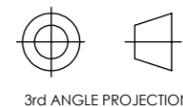


Turck BKFD 19
 Female Receptacle
 Scale 4:1

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.

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DRAWN BY: J. Williams 9/18/08		TITLE	
CHECKED BY: DLK & DTM 9/19/08		GF19W Master with GF19 Tool Module Drawing	
WEIGHT LBS: 0.21	SCALE 3:4	SIZE B	DRAWING NUMBER 9630-20-GF19WM GF19T-01
ASSEMBLY REF:	PRODUCT RELEASE # 071101-1 DATE:		SHEET 2 OF 2