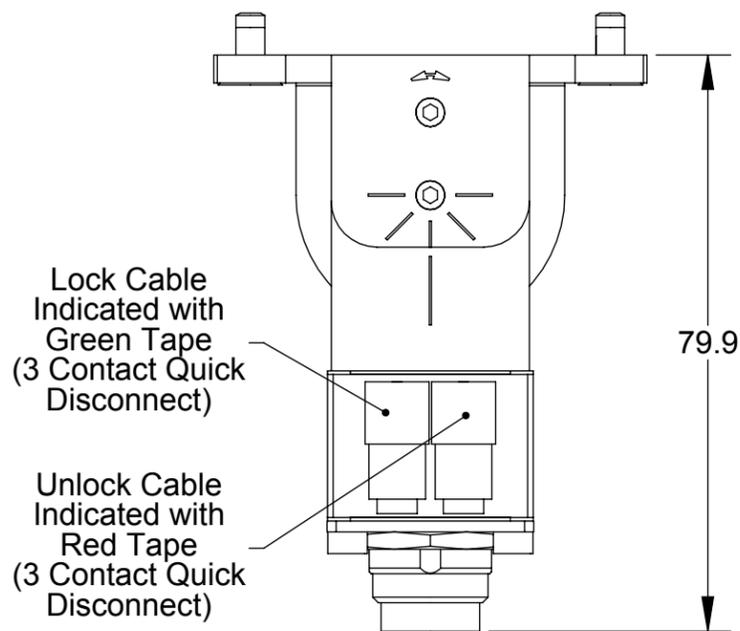




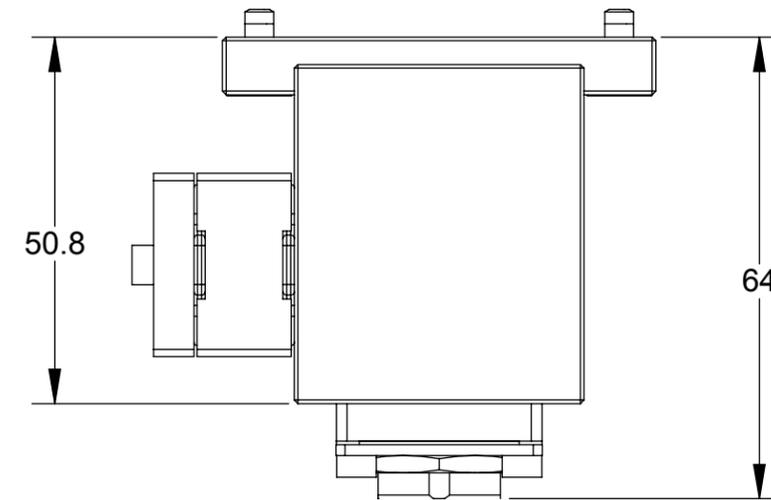
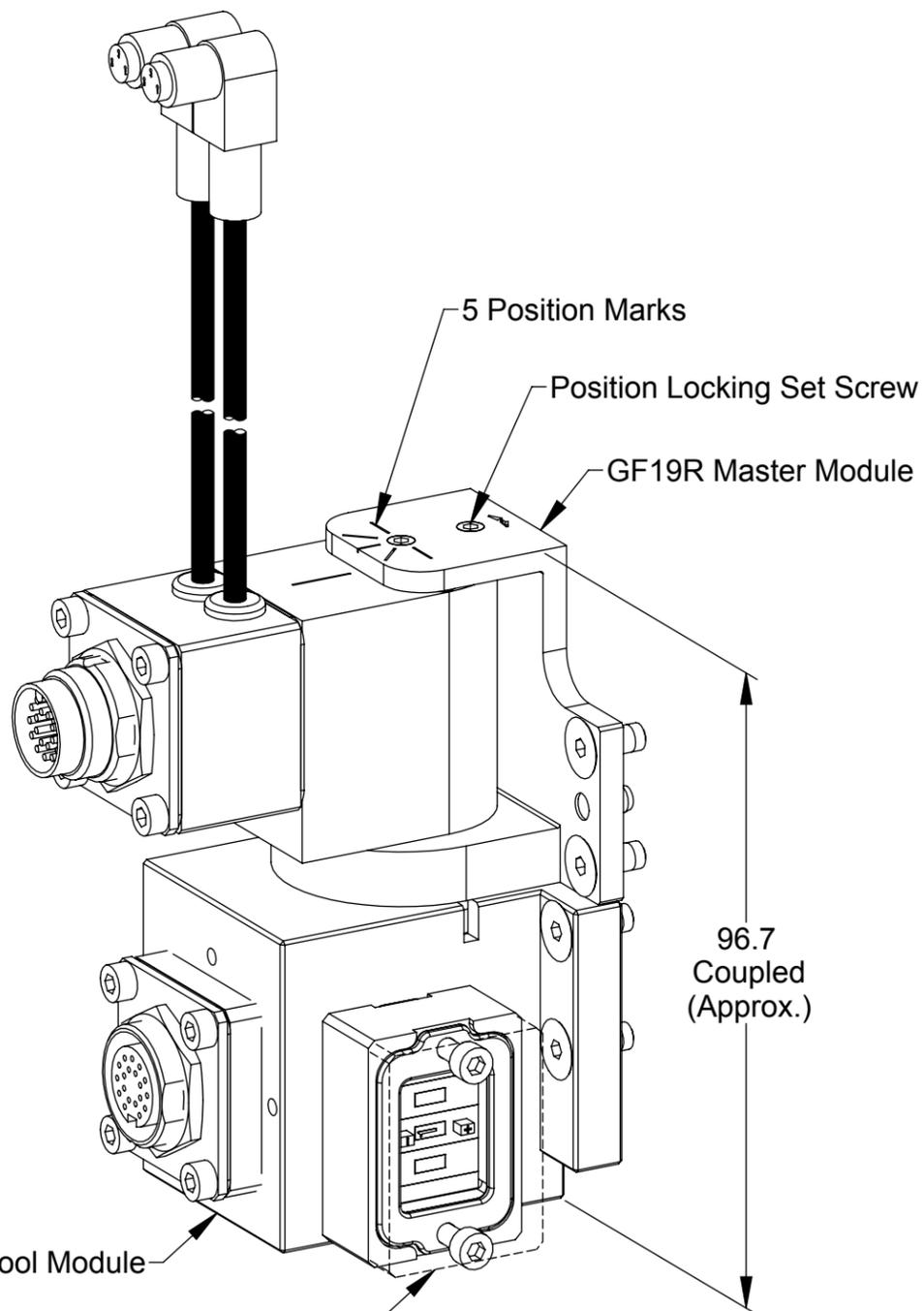
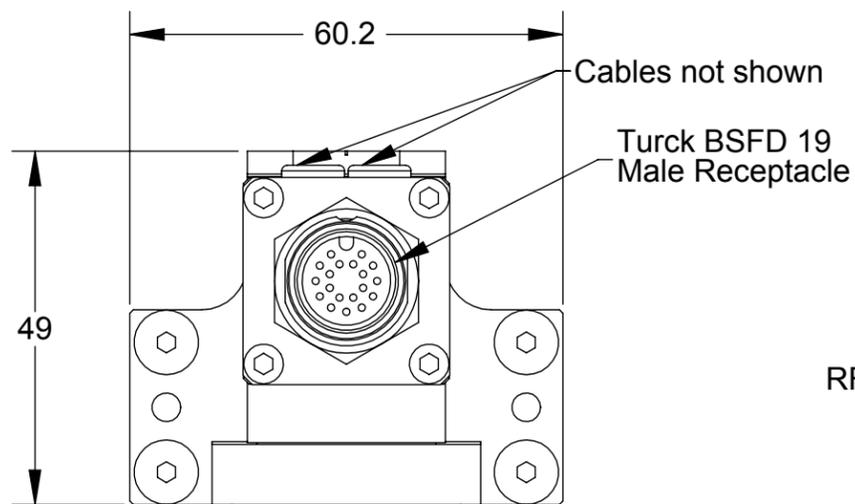
" DANGER!" - Electrical Shock Hazard

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."

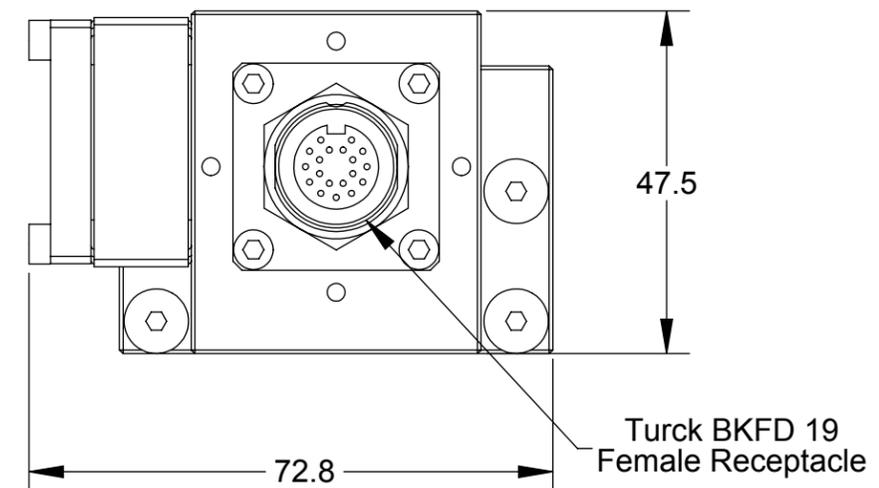
Rev.	Description	Initiator	Date
02	ECO 18032: Added "Tool-ID Switch is rated for 0.1A / 30VDC" note. RF14 Tool Module view: 73.5 dimension updated to 72.8. Removed "DANGER!" note from Notes & added "Shock Hazard" to top of Sheet 1. Updated Notes numbering after changes. Sheet 2: Removed Pin U rating.	TBC	6/26/2019



GF19R Master Module (9120-GF19R-M)
(Connector shown in Center Position)



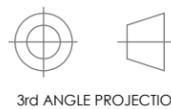
RF14 Tool Module (9120-RF14-T)



- Notes:
- See sheet 2 for wiring and pin out.
 - Tool-ID Switch is rated for 0.1A / 30VDC
 - WARNING:** The Master Module must be secured/locked in a position prior to operation, otherwise internal damage to conductors will occur.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

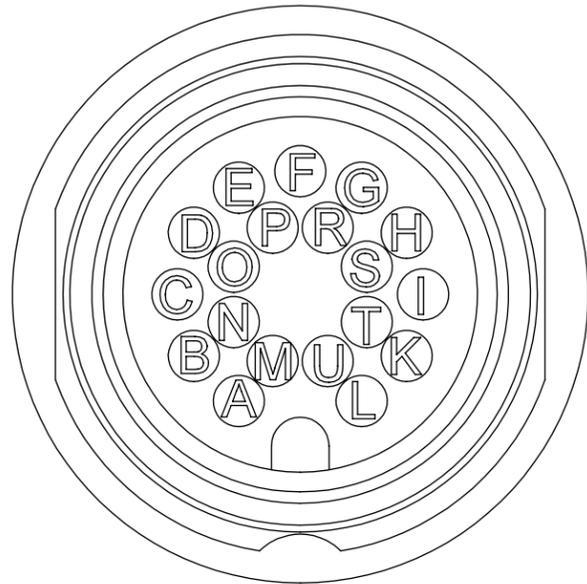


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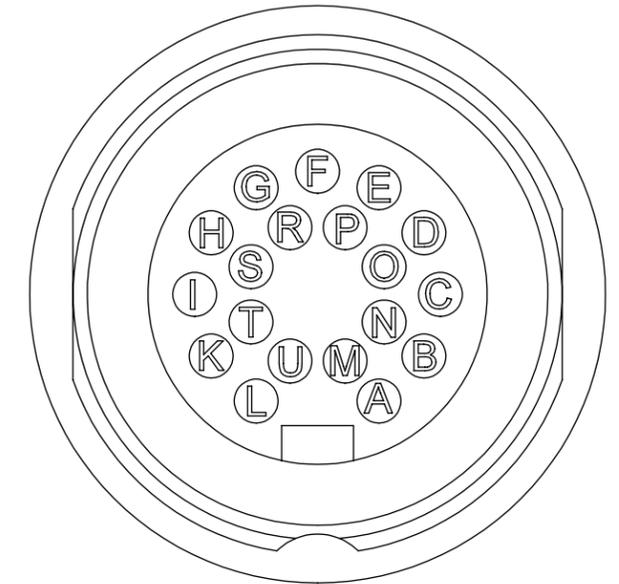
DRAWN BY: D. Swanson 5/6/09		TITLE	
CHECKED BY: DKL/DTM 5/7/09		GF19R Master with RF14 Tool Module Drawing	
PROJECT #	SHEET 1 OF 2	SCALE	SIZE
		1:1	B
DRAWING NUMBER		REVISION	
9630-20-GF19RM RF14T		02	

Master Side Connector

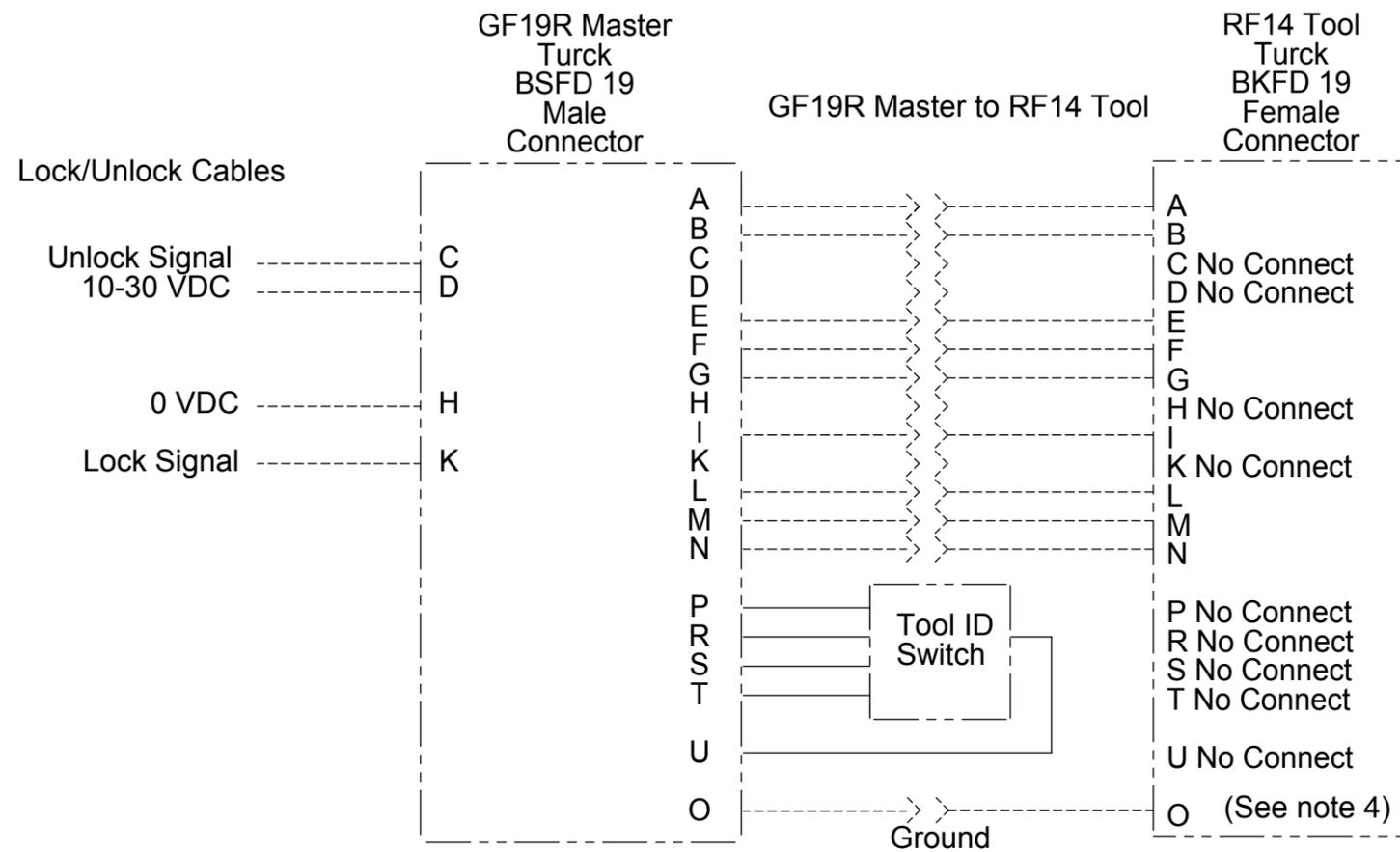


Turck BSFD 19 Male Receptacle
Scale 4:1

Tool Side Connector



Turck BKFD 19 Female Receptacle
Scale 4:1



Signal Legend

Pin O: 0 VDC (recommended) (See Note 4)
Pin U: Tool ID (See Note 6)

Binary Output of Tool ID

Switch Selection	Pin P	Pin R	Pin S	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

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" and 0 VDC on Pin "H". Lock/Unlock signals will be returned on Master Connector Pin "K" and "C" respectively.
- Pin "U" is common for tool ID.

NOTES: UNLESS OTHERWISE SPECIFIED.

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3rd ANGLE PROJECTION



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DRAWN BY: D. Swanson 5/6/09		TITLE	
CHECKED BY: DKL/DTM 5/7/09		GF19R Master with RF14 Tool Module Drawing	
PROJECT #	SHEET 2 OF 2	SCALE	REVISION
		1:1	02
SIZE	DRAWING NUMBER		
B	9630-20-GF19RM RF14T		