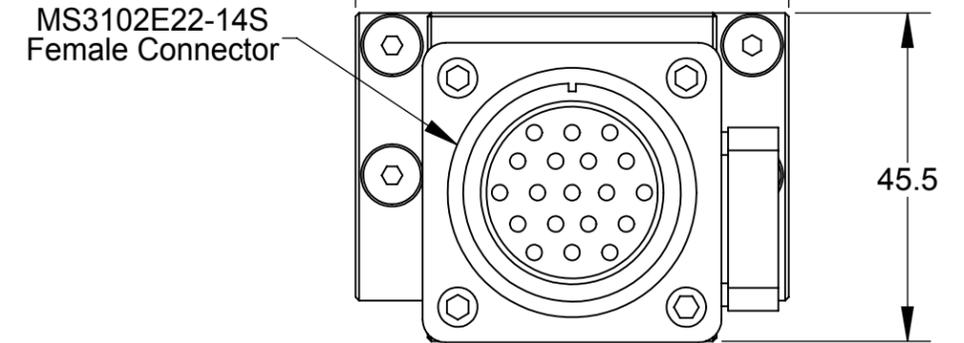
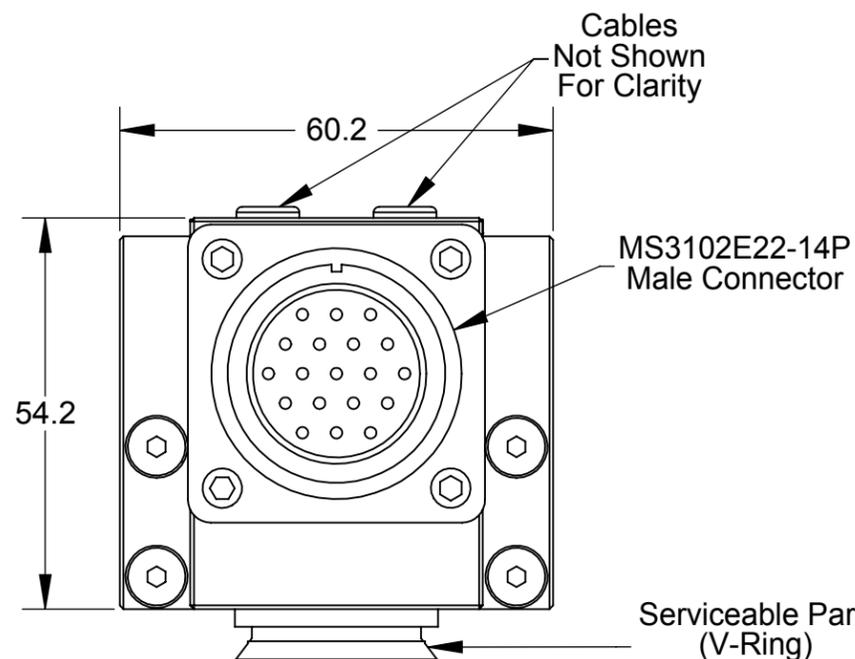
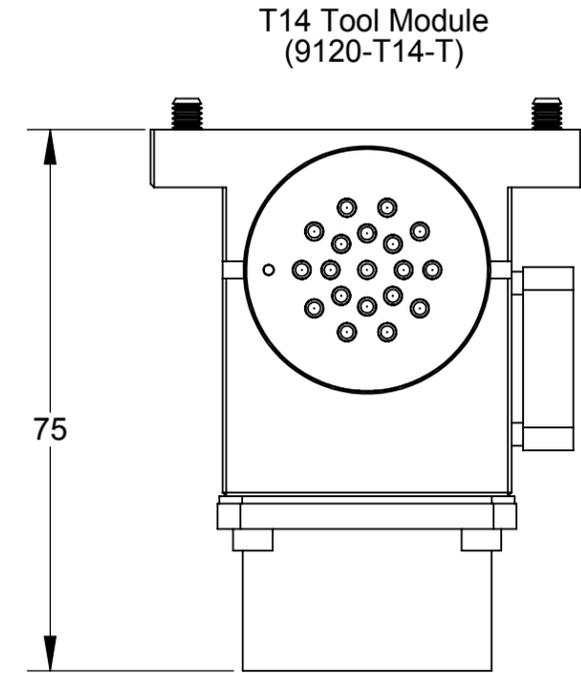
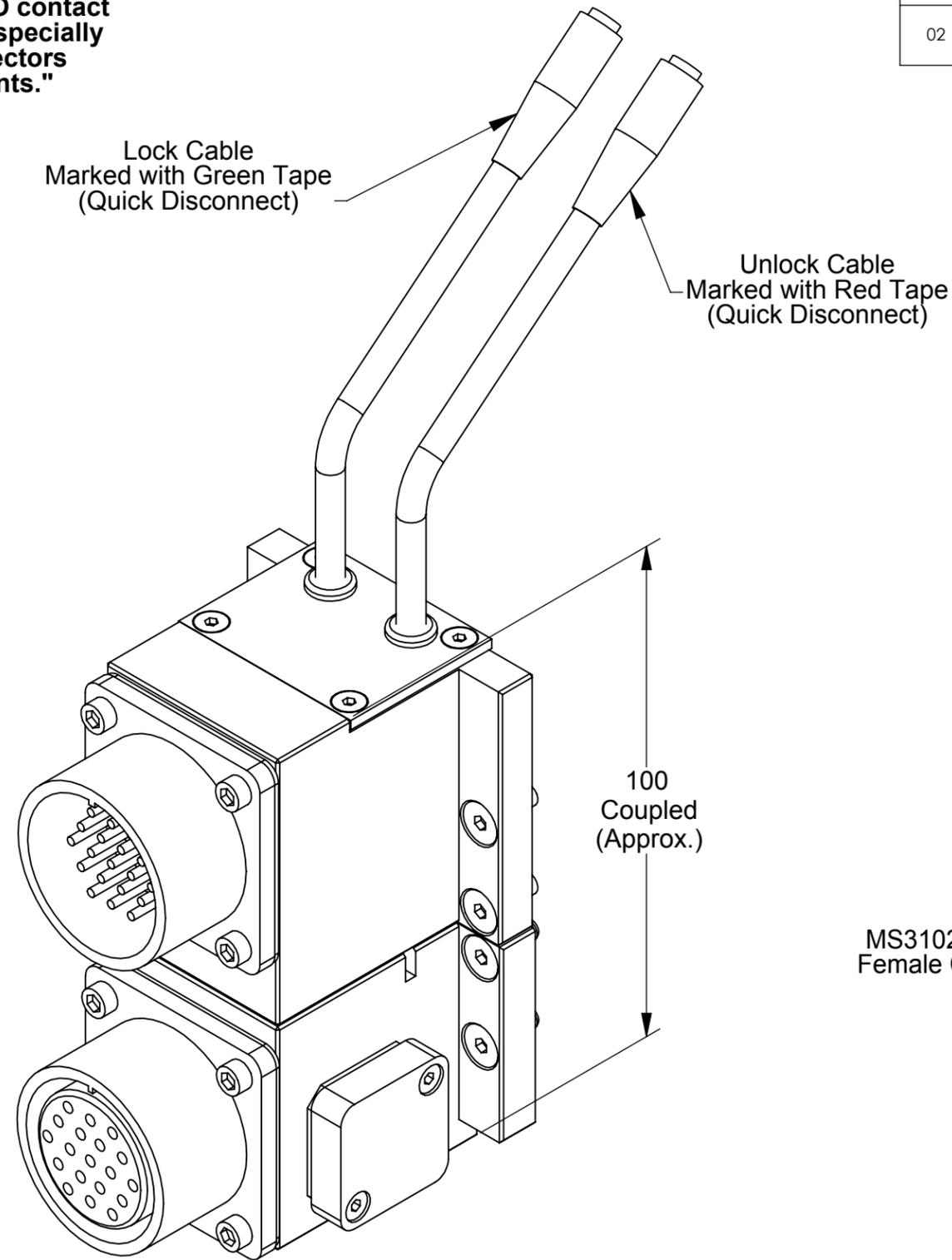
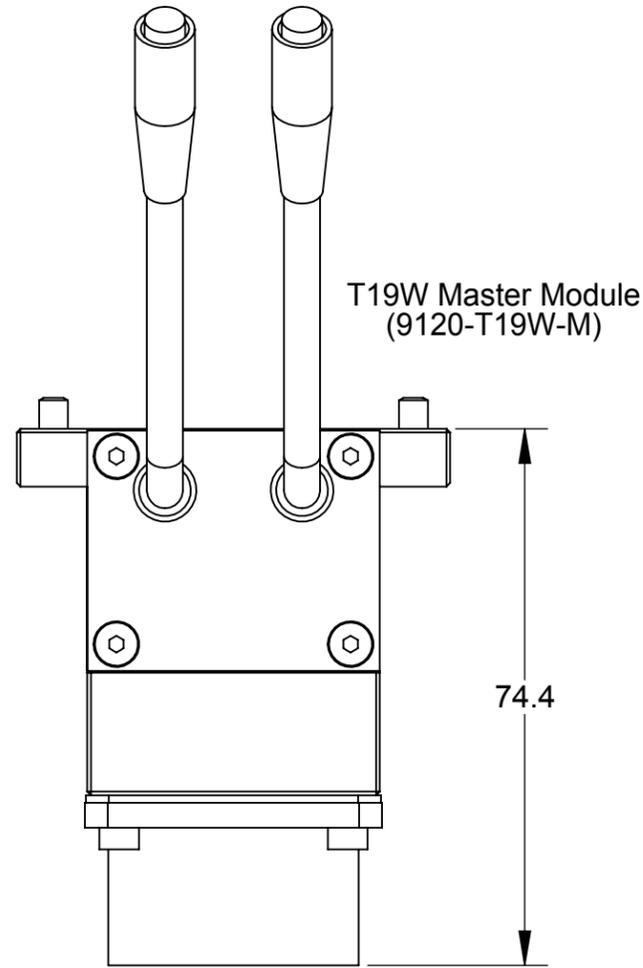


" DANGER! - For electrical modules using > 60VDC or 42 VAC, NO contact should be attempted before removing power. This especially includes separation or insertion of the mating connectors or any contact with the tool changer or its components."

Rev.	Description	Initiator	Date
02	Eco 10174; Added wires C,D,H,K Pins to wiring chart. Updated Electrical Schematic to current standard.	CF	10/1/2012



Serviceable Part:
(V-Ring)
4010-0000030-01

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING.
ALL DIMENSIONS ARE IN
MILLIMETERS.



3rd ANGLE PROJECTION



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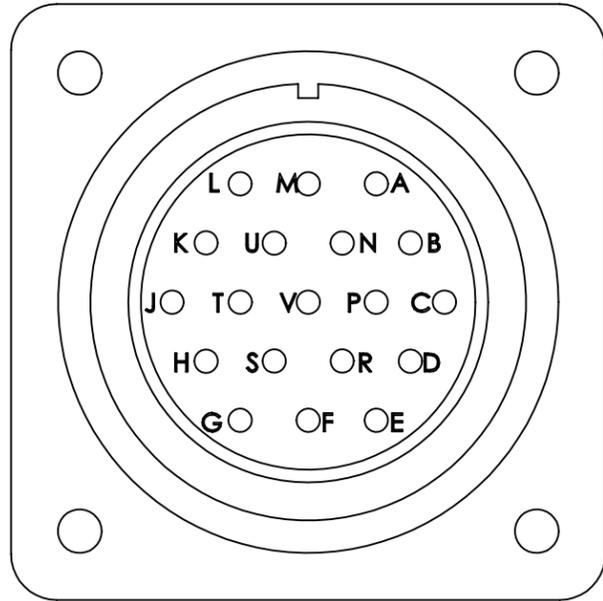
PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: D. Swanson, 9/28/10		TITLE	
CHECKED BY: D. Lawson, 9/29/10 DTM, 10/5/10		T19W-M with T14-T Module Drawing	
PROJECT #	SHEET 1 OF 2	SCALE	REVISION
		1:1	02
SIZE	DRAWING NUMBER		
B	9630-20-T19WM T14T		

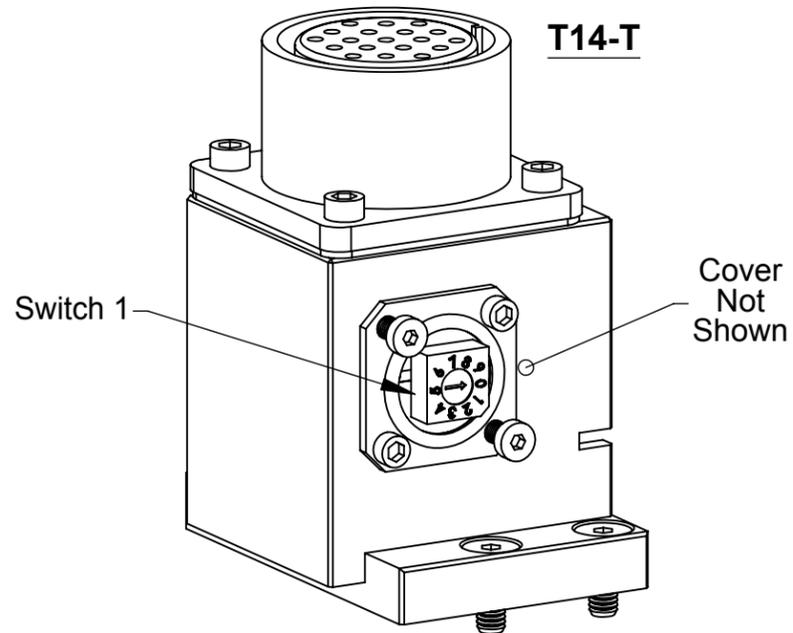
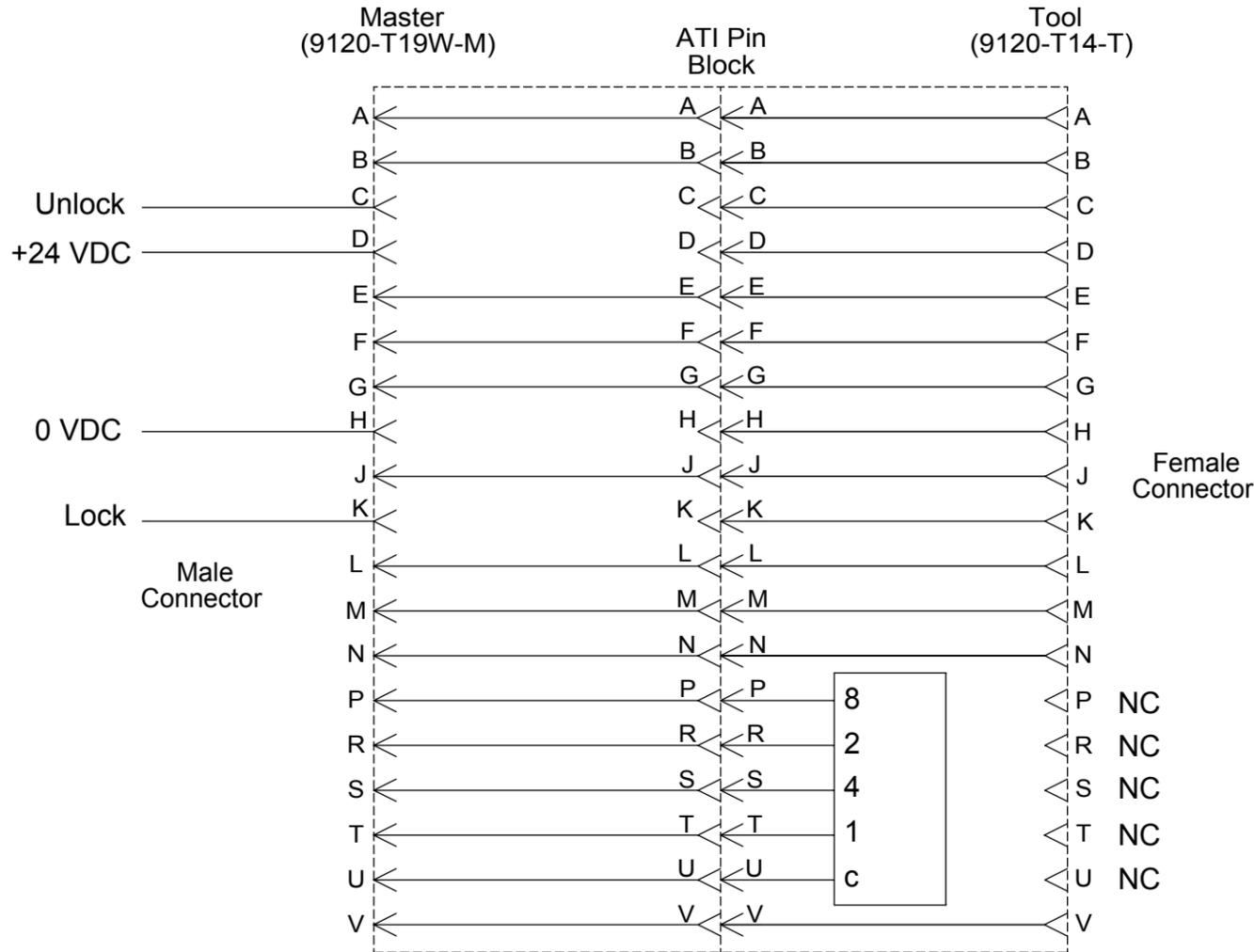
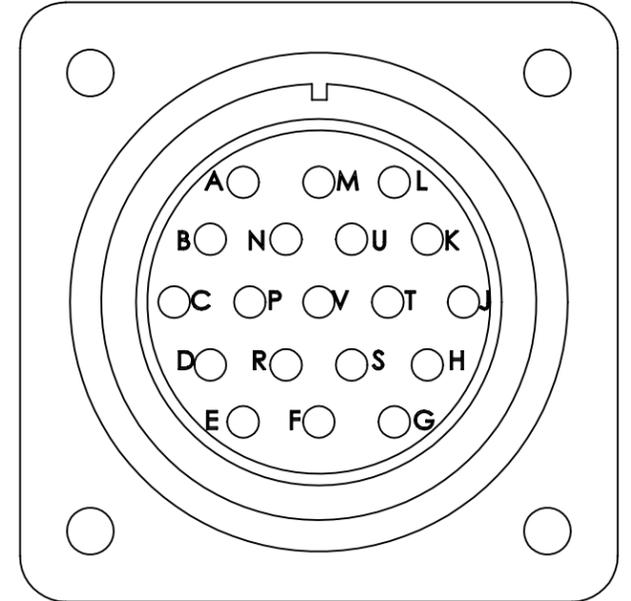
Rev.	Description	Initiator	Date
-	See Sheet1	-	-

ELECTRICAL SCHEMATIC

T19W-M
Master Side
(MS3102E22-14P)



T14-T
Tool Side
(MS3102E22-14S)



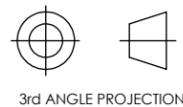
Binary Output of Tool ID

Switch Selection	Pin	Pin	Pin	Pin
	P	S	R	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

- Note:**
1. Large views of connectors are 2:1 scale.
 2. Pin "V" on the amphenol connectors is First-to-mate Last-to-break at the Tool Changer interface. This pin is recommended for use as ground.

NOTES: UNLESS OTHERWISE SPECIFIED.

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DRAWN BY: D. Swanson, 9/28/10		TITLE	
CHECKED BY: D. Lawson, 9/29/10		T19W-M with T14-T Module Drawing	
DTM, 10/5/10		SCALE	SIZE
PROJECT #	SHEET 2 OF 2	1:1	B
DRAWING NUMBER		REVISION	
9630-20-T19WM T14T		02	