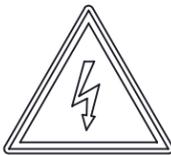
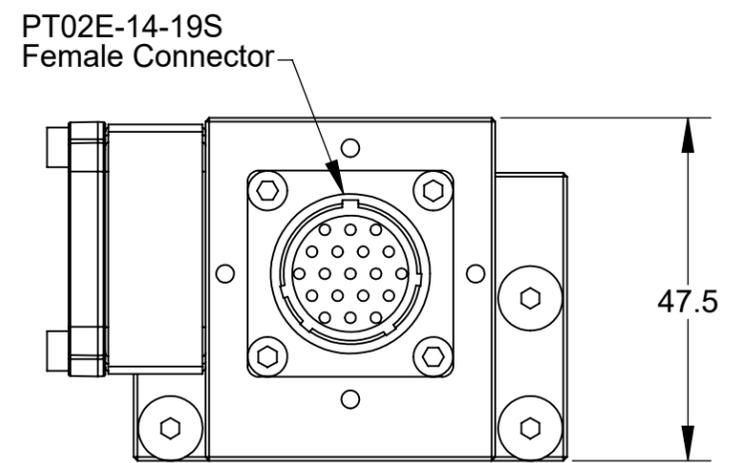
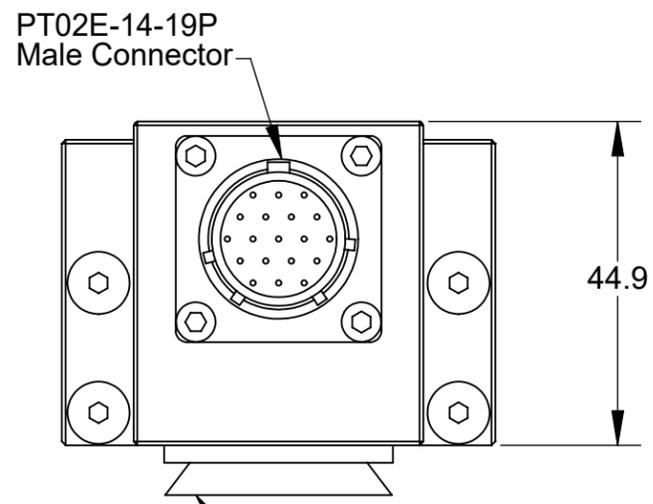
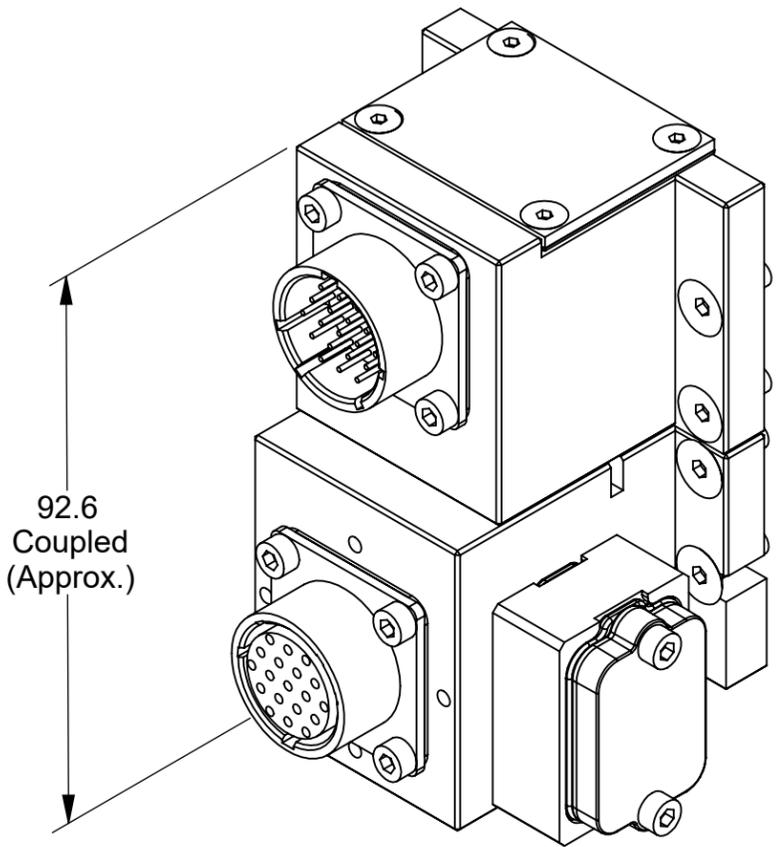
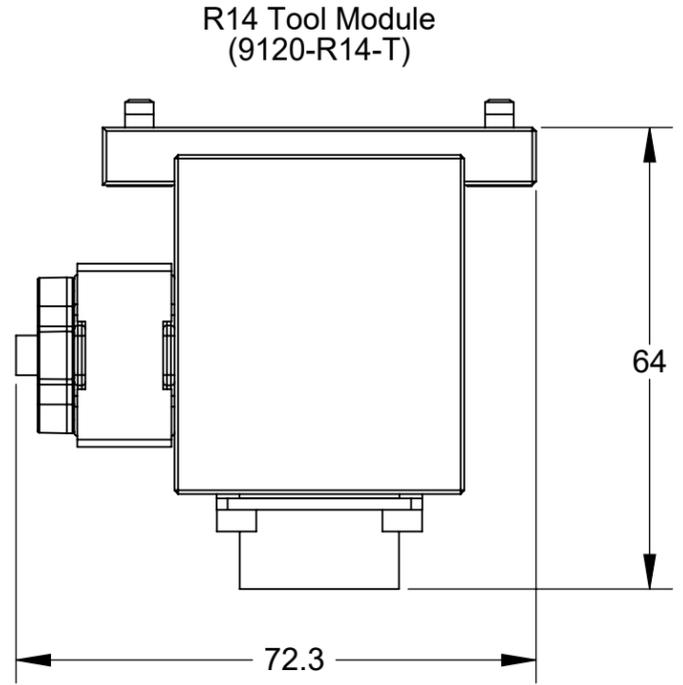
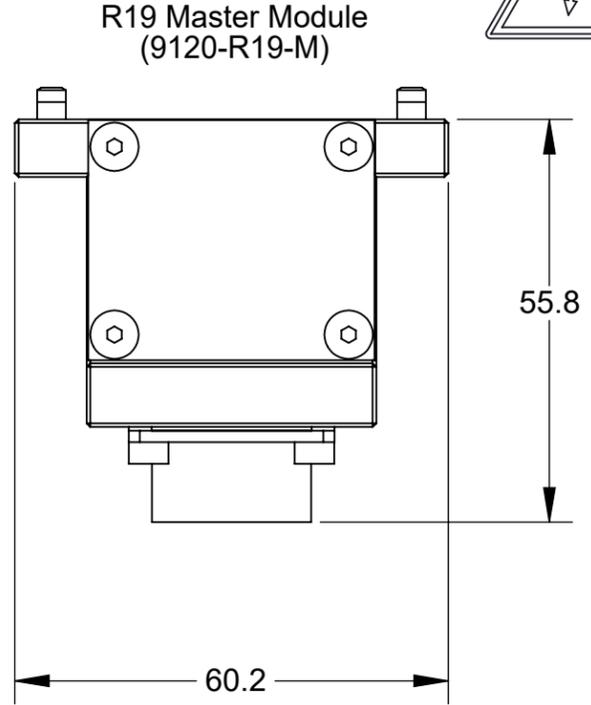


Rev.	Description	Initiator	Date
08	ECO 21683: Updated to reflect changes to R19 housing.	BAW	03/06/2024



" 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."



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

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING.
ALL DIMENSIONS ARE IN
MILLIMETERS.

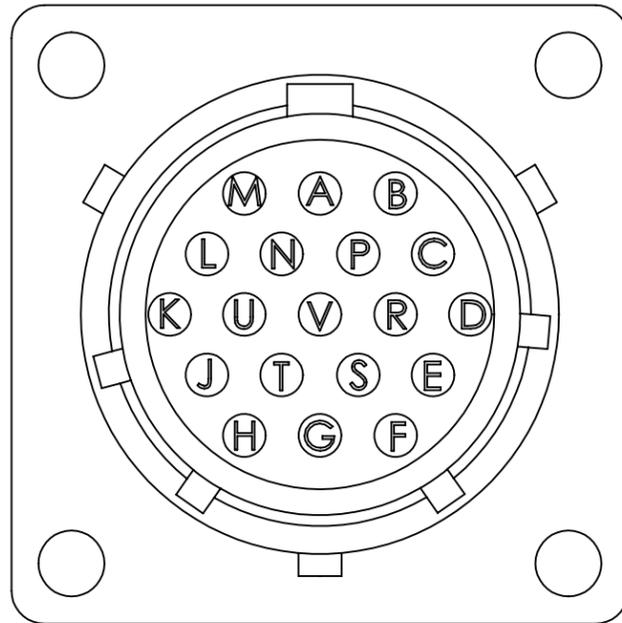


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DRAWN BY: P.Sparrow, 9/16/04		TITLE	
CHECKED BY: B.Digeso, 10/29/04		R19-M with R14-T Module Drawing	
PROJECT # 030725-3	SHEET 1 OF 2	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-R19M R14T		REVISION 08	

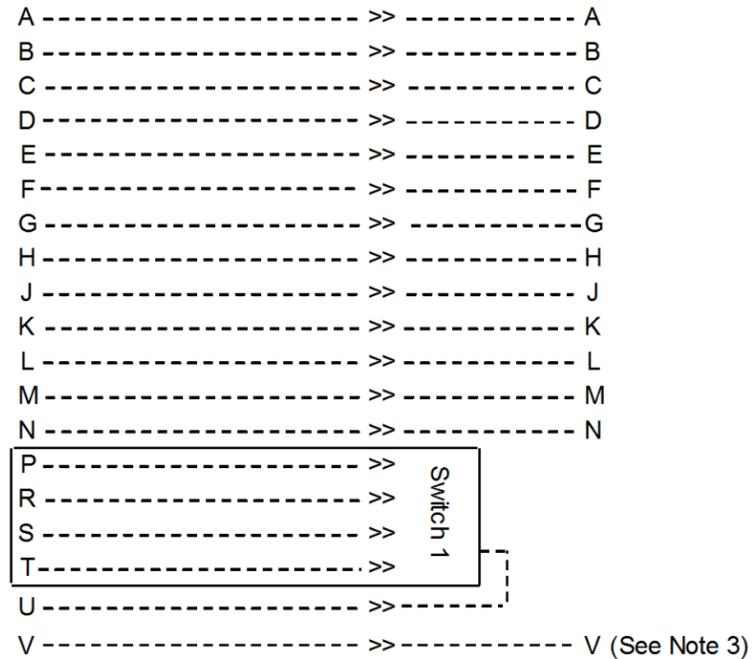
R19-M
Master Side
(PT02E-14-19P)



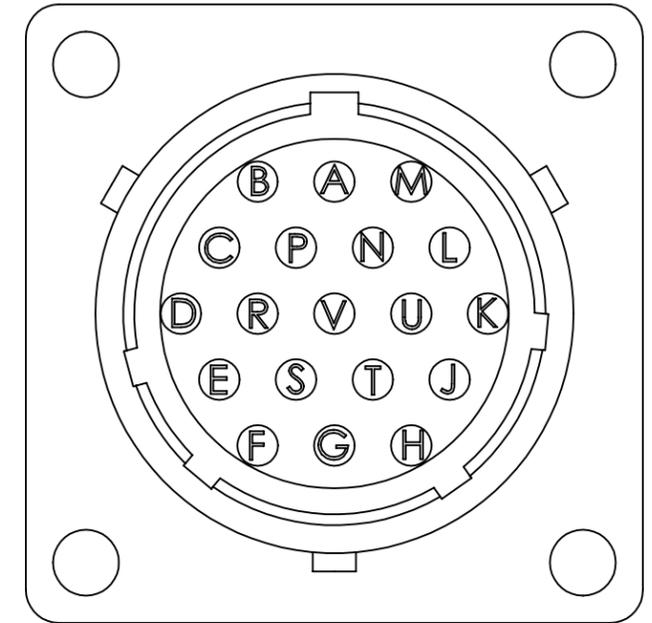
R19 to R14 Pin Out

R19 Master
PT02E-14-19P
Male Connector

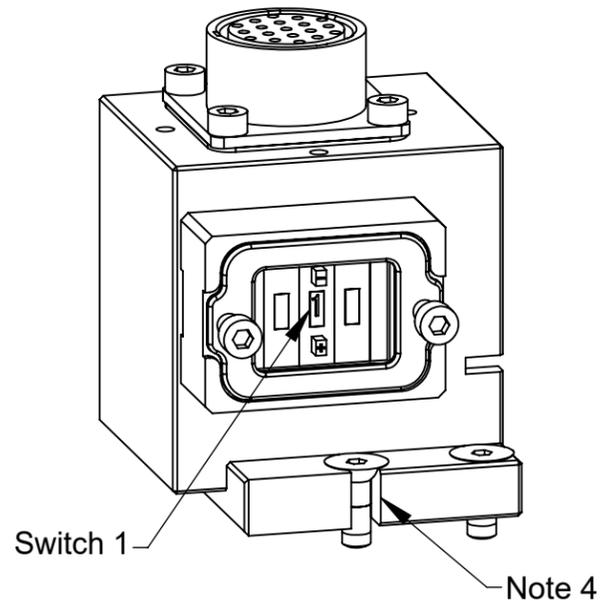
R14 Tool
PT02E-14-19S
Female Connector



R14-T
Tool Side
(PT02E-14-19S)



R14-T



Signal Legend

Pin V: 0 VDC (recommended)
Pin U: Tool ID

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

- Notes:
- Views of connectors are 3:1 scale.
 - Tool-ID Switch is rated for 0.1A / 30VDC
 - Pin "V" on the amphenol connector is First-to-Mate, Last-to-Break at Tool Changer interface. This pin is recommended for use as ground.
 - Latest models have a slot added to allow screw to be inserted without removing tool ID housing. A stubby or short arm hex key (non ball end) is required to install the fastener in the slotted location.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



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DRAWN BY: P.Sparrow, 9/16/04		TITLE	
CHECKED BY: B.Digeso, 10/29/04		R19-M with R14-T Module Drawing	
PROJECT # 030725-3	SHEET 2 OF 2	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-R19M R14T		REVISION 08	