

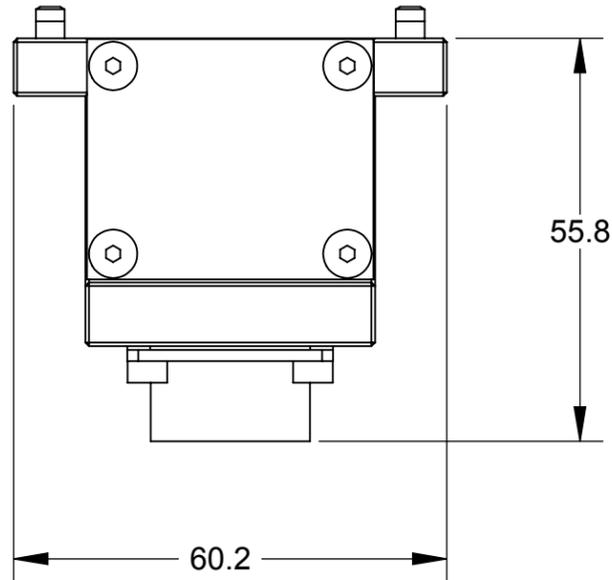
Rev.	Description	Initiator	Date
06	ECO 18469: Updated model to show mounting hole slot on Tool housing. Sht 2, added note 4.	LJH	10/10/19



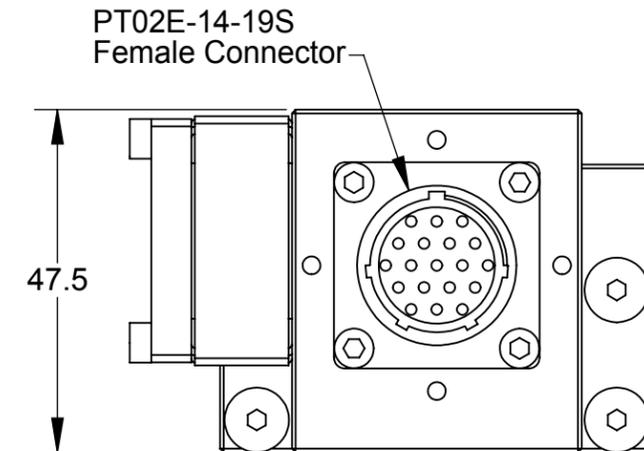
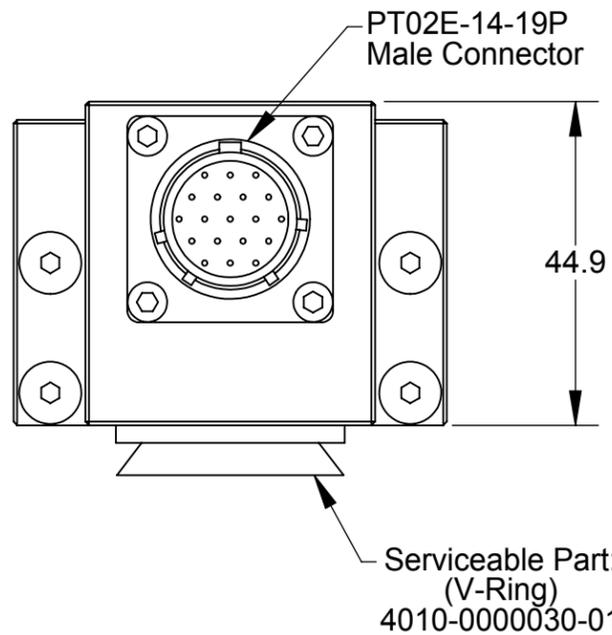
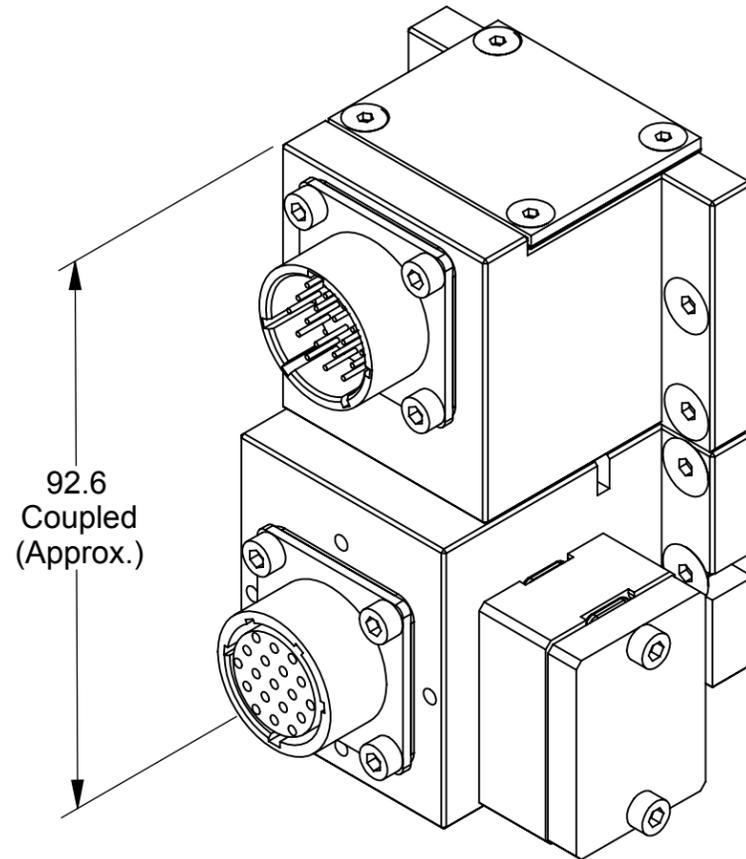
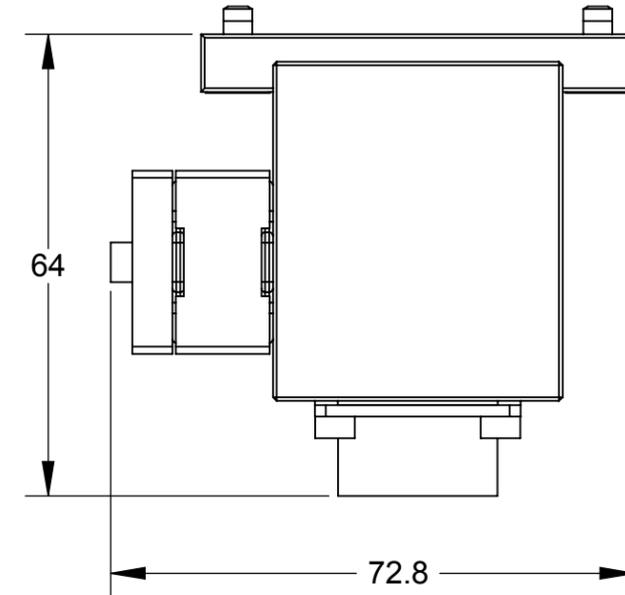
" DANGER!" - Electrical Shock Hazard

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."

R19 Master Module
(9120-R19-M)

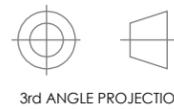


R10 Tool Module
(9120-R10-T)



NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

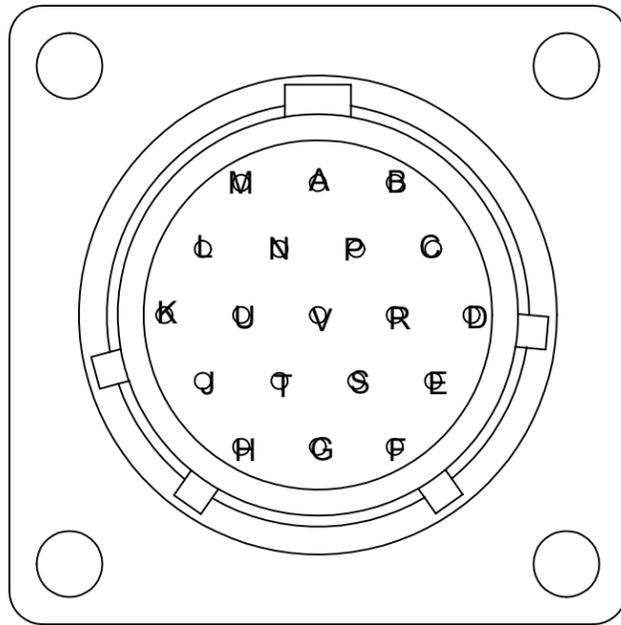


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DRAWN BY: P.Sparrow, 10/27/04		TITLE	
CHECKED BY: B.Digeso, 10/29/04		R19-M with R10-T Module Drawing	
PROJECT # 030725-3	SHEET 1 OF 2	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-R19M R10T		REVISION 06	

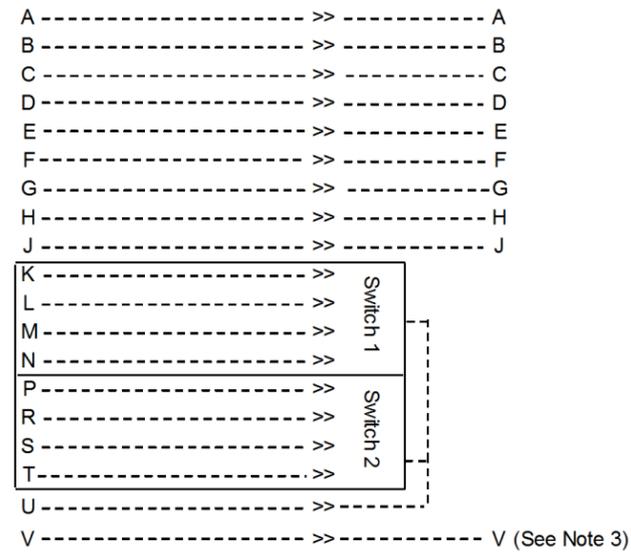
R19-M
Master Side
(PT02E-14-19P)



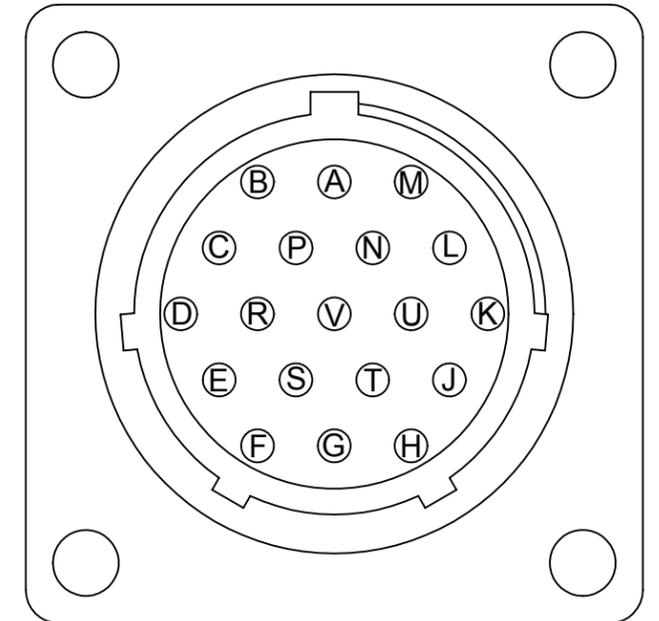
R19 to R10 Pin Out

R19 Master
PT02E-14-19P
Male Connector

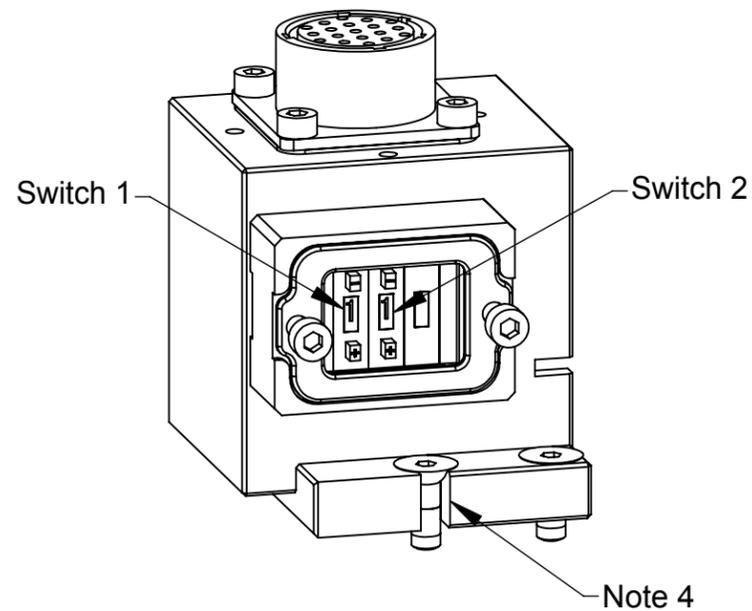
R10 Tool
PT02E-14-19S
Female Connector



R10-T
Tool Side
(PT02E-14-19S)



R10-T



Binary Output of Tool ID

Switch Selection	Pin	Pin	Pin	Pin	Switch 1
	K	L	M	N	
	P	R	S	T	Switch 2
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	

Signal Legend

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

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 slot location.

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3rd ANGLE PROJECTION



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DRAWN BY: P.Sparrow, 10/27/04		TITLE	
CHECKED BY: B.Digeso, 10/29/04		R19-M with R10-T Module Drawing	
PROJECT # 030725-3	SHEET 2 OF 2	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-R19M R10T		REVISION 06	