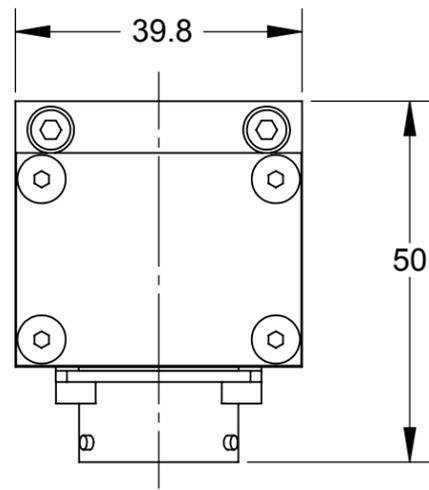
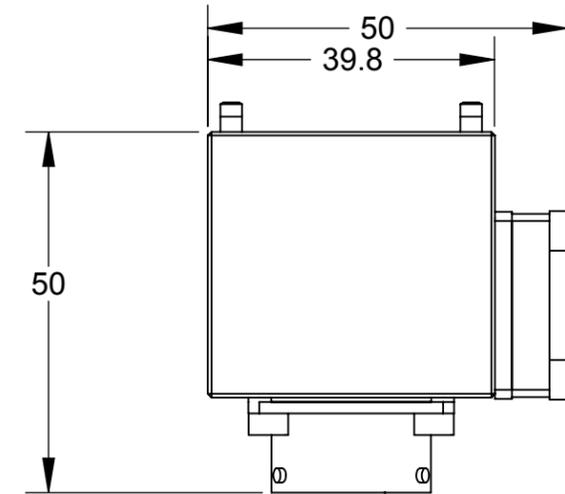
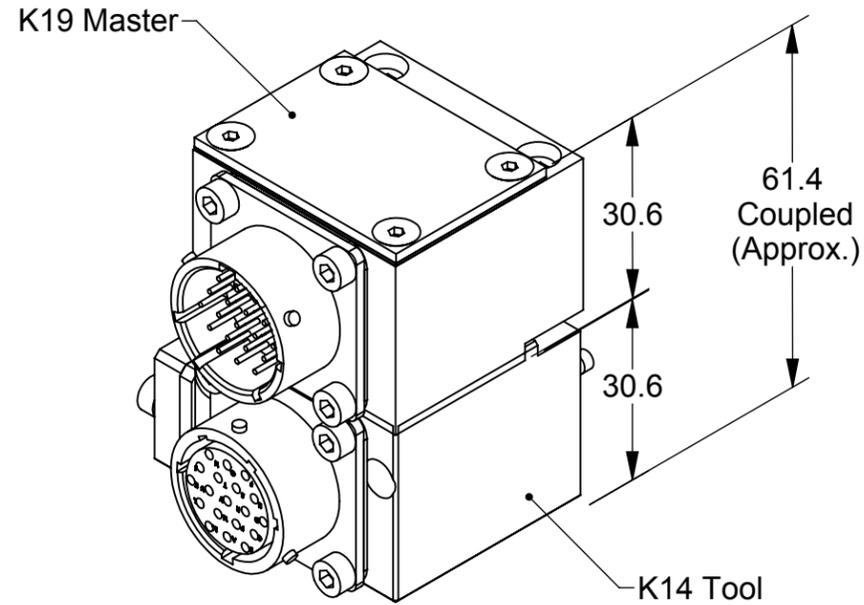


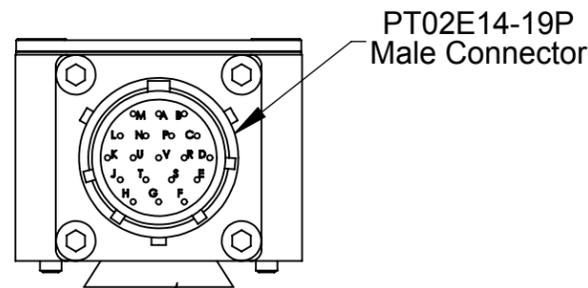
Rev.	Description	Initiator	Date
01	Initial Design	JEW	10/8/2008



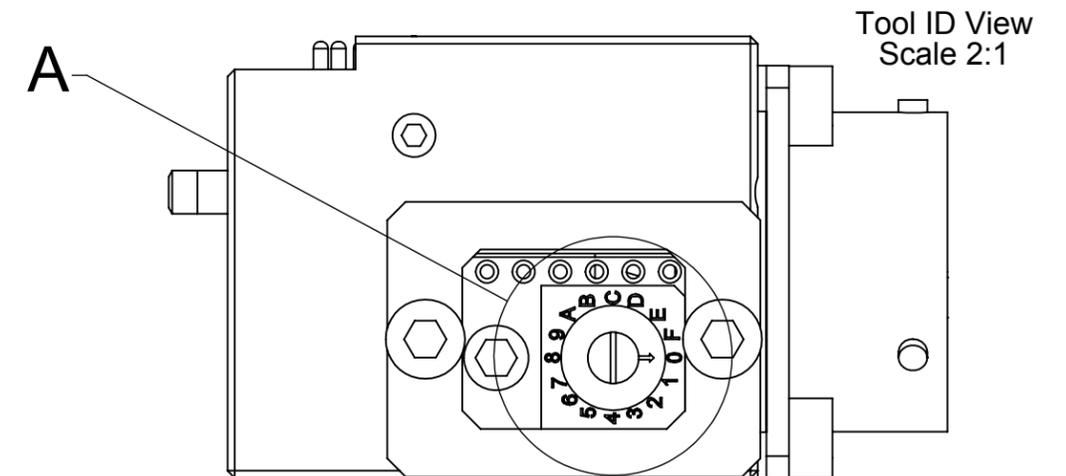
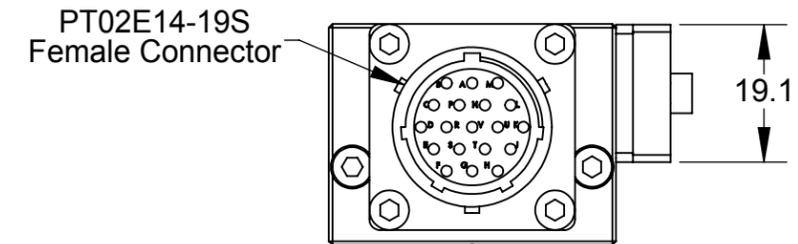
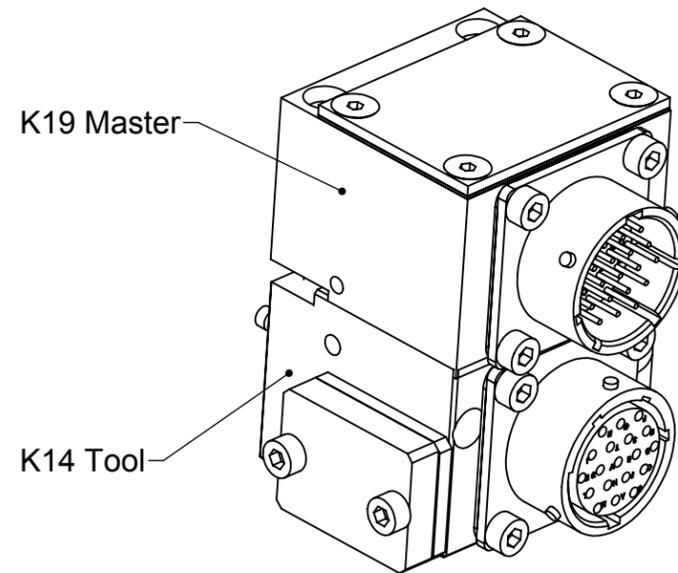
K19 Master Module
(9120-K19-M)



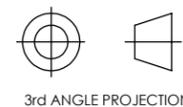
K14 Tool Module
(9120-K14-T)



Serviceable Part:
(V-Ring)
(4010-0000017-01)



NOTES: UNLESS OTHERWISE SPECIFIED
 DO NOT SCALE DRAWING. DRAWN IN SOLIDWORKS.
 ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

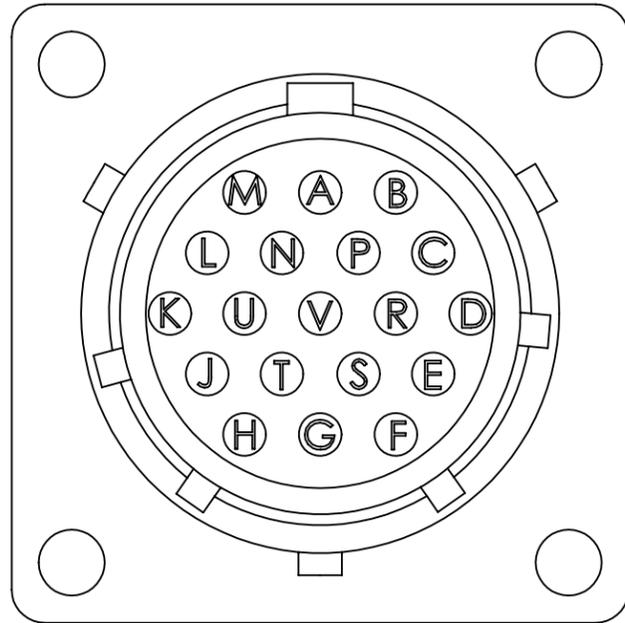


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 ISO 9001 Registered Company

Notes:
 1. Pin "V" on the Amphenol connector is First-to-mate Last-to-break at the Tool Changer interface. This pin is recommended for use as ground.

DRAWN BY: J. Williams 10/8/08	TITLE K19-M, K14-T Module Drawing		
CHECKED BY: DKL/DTM 10/9/08	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-K19M K14T-01
WEIGHT LBS: .45	PRODUCT RELEASE # 080218-1		DATE:
ASSEMBLY REF:	SHEET 1 OF 2		

Rev.	Description	Initiator	Date
-	See Sheet1	-	-



PT02E14-19P
Male Connector

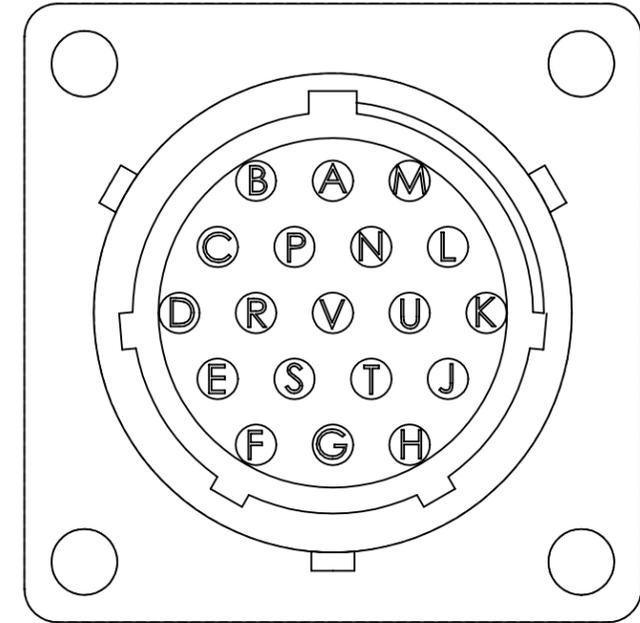
K19-M to K14-T Pin Out

K19 Master
PT02E14-19P
Male Connector

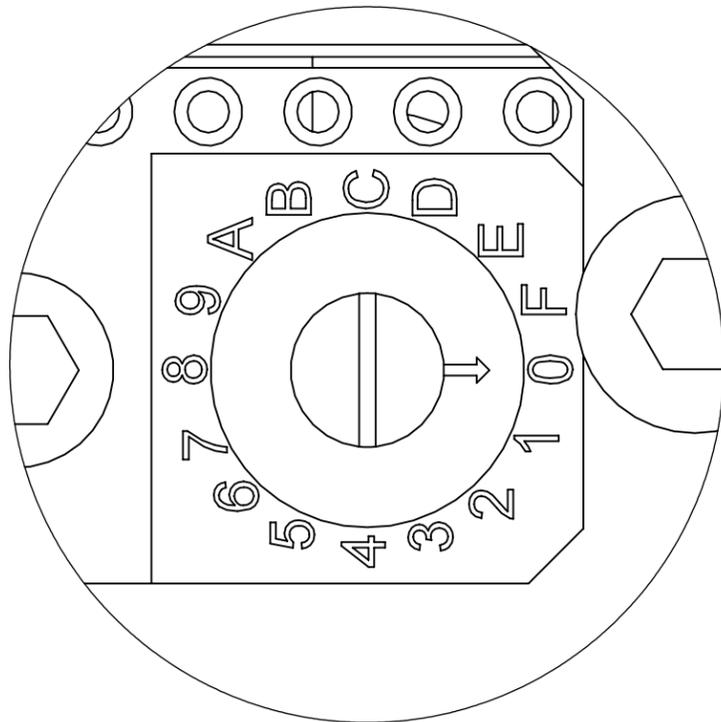
K14 Tool
PT02E14-19S
Female Connector

A	A
B	B
C	C
D	D
E	E
F	F
G	G
H	H
J	J
K	K
L	L
M	M
N	N
P	No Connect
R	No Connect
S	No Connect
T	No Connect
U	No Connect
V	V

Common	Switch	
		No Connect



PT02E14-19S
Female Connector

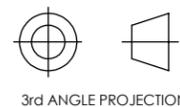


DETAIL A
SCALE 6 : 1

Binary Output of Tool ID

Switch Selection	Pin	Pin	Pin	Pin	Switch
	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	
A	1	0	1	0	
B	1	0	1	1	
C	1	1	0	0	
D	1	1	0	1	
E	1	1	1	0	
F	1	1	1	1	

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DRAWN BY: J. Williams 10/8/08	TITLE K19-M, K14-T Module Drawing		
CHECKED BY: DKL/DTM 10/9/08	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-K19M K14T-01
WEIGHT LBS: .45	PRODUCT RELEASE # 080218-1 DATE:		SHEET 2 OF 2
ASSEMBLY REF:			