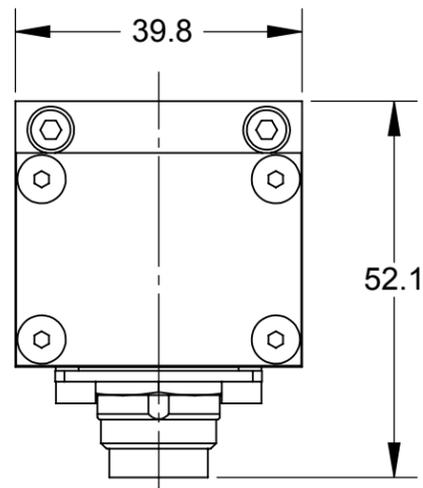
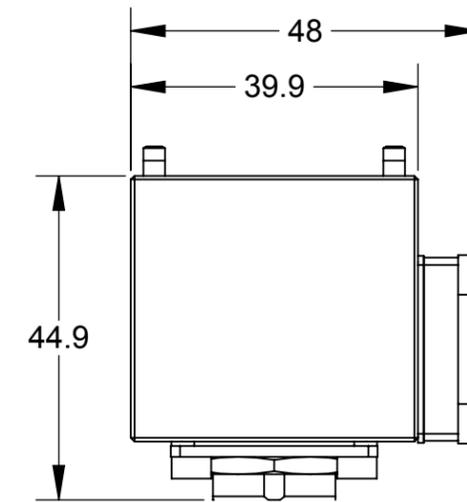
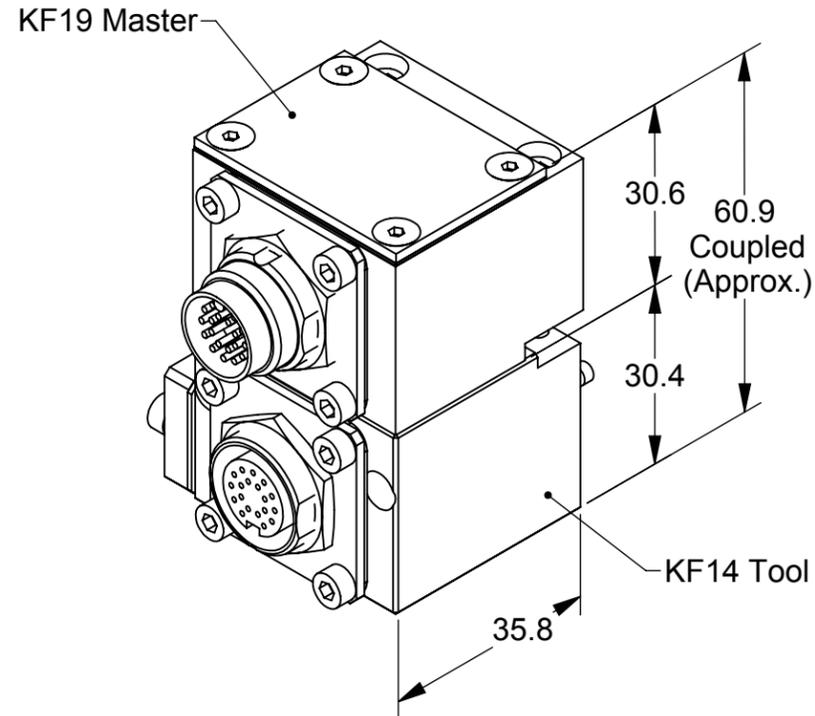


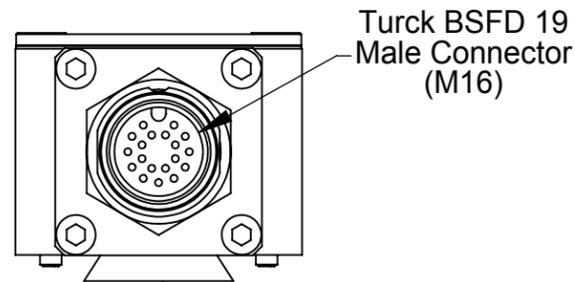
Rev.	Description	Initiator	Date
02	ECO 19011: Reduced gasket, screw and overall length by 2 mm, corrected dimension lines.	NWB	7/27/2020



KF19 Master Module
(9120-KF19-M)

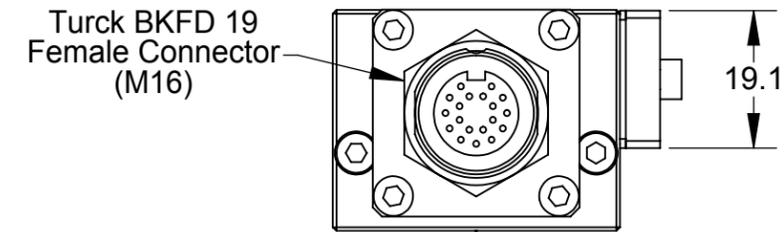
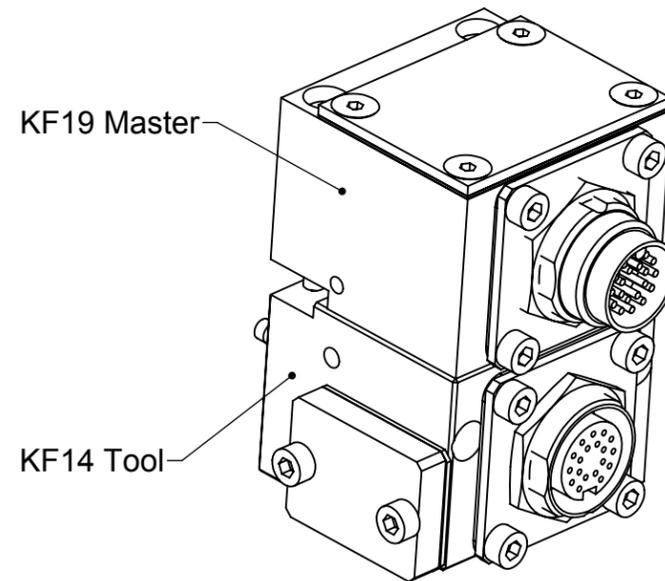


KF14 Tool Module
(9120-KF14-T)

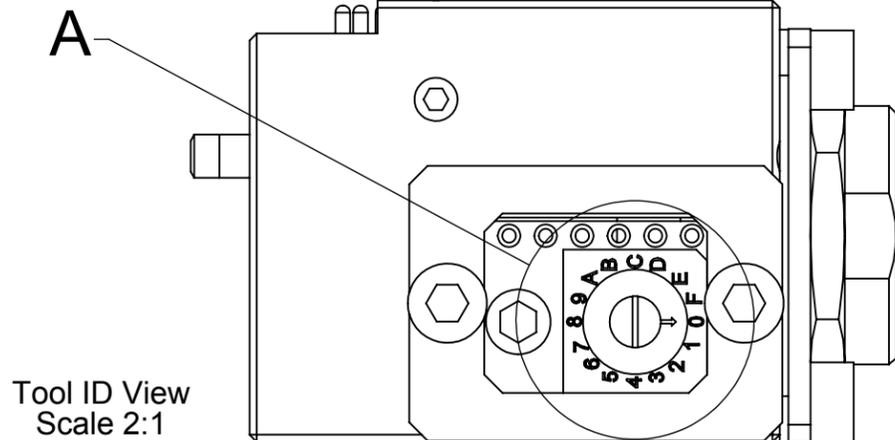


Turck BSFD 19
Male Connector
(M16)

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

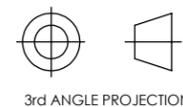


Turck BKFD 19
Female Connector
(M16)



Tool ID View
Scale 2:1

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



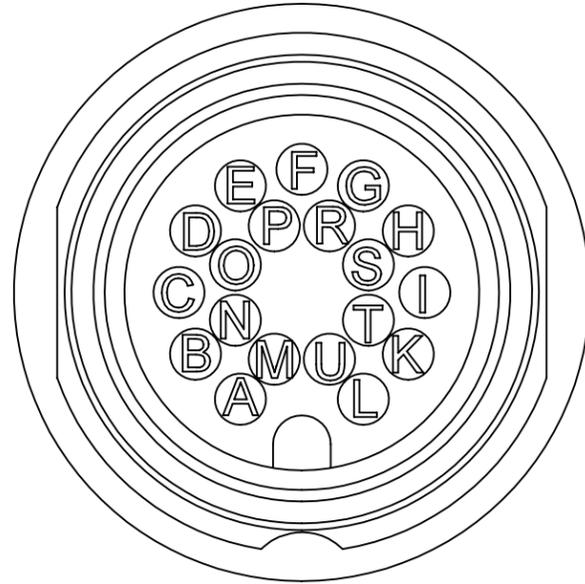
1031 Goodworth Drive, Apex, NC 27539, USA
 Tel: +1.919.772.0115 Email: info@ati-ia.com
 Fax: +1.919.772.8259 www.ati-ia.com
 ISO 9001 Registered Company

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

DRAWN BY: D. Swanson 11/2/09	TITLE KF19-M, KF14-T Module Drawing		
CHECKED BY: DKL/DTM 11/3/09	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-KF19M KF14T-02
WEIGHT LBS: 0.22	PRODUCT RELEASE # 080218-1 DATE:		SHEET 1 OF 2
ASSEMBLY REF:			

Rev.	Description	Initiator	Date
-	See Sheet1	-	-

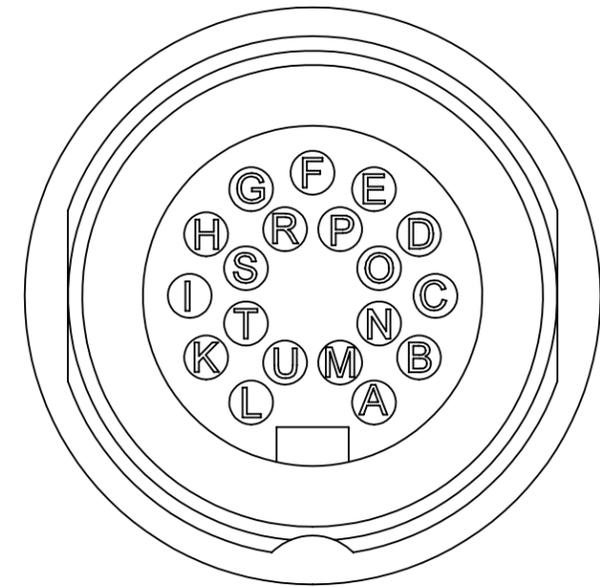
KF19-M to KF14-T Pin Out



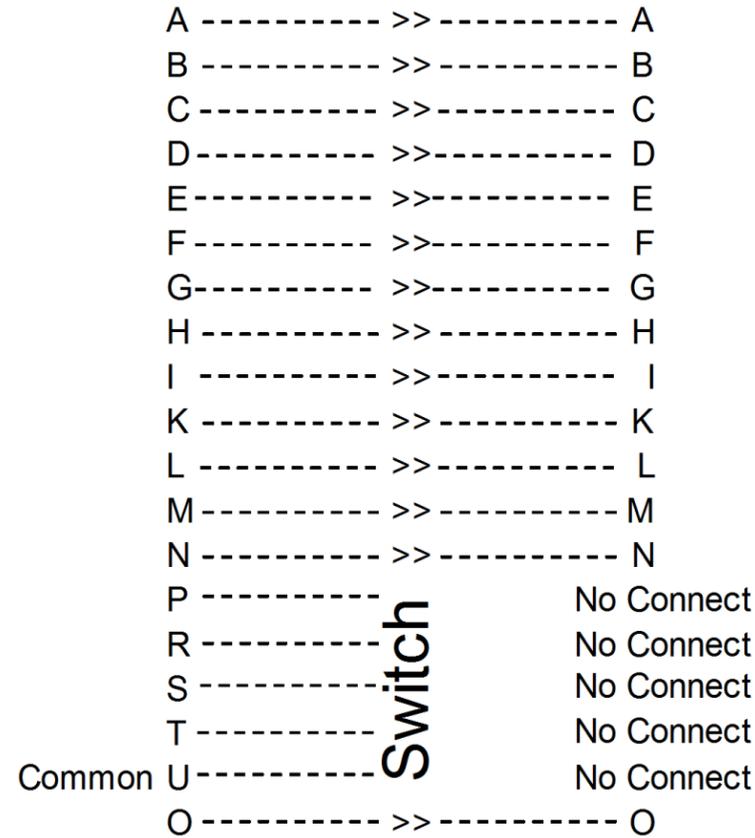
Turck BSFD 19
Male Connector

KF19 Master
Turck BSFD 19
Male Connector

KF14 Tool
Turck BKFD 19
Female Connector

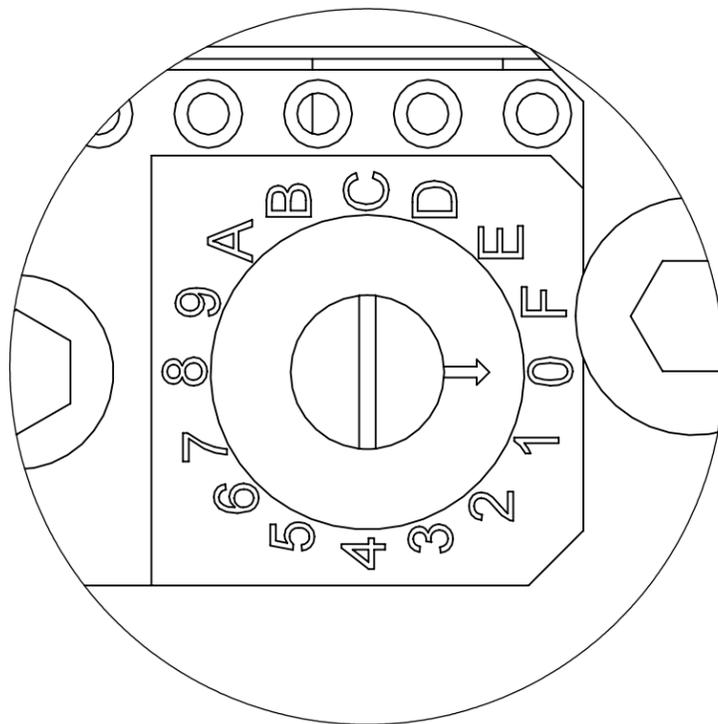


Turck BKFD 19
Female Connector



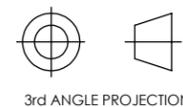
Binary Output of Tool ID

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	



DETAIL A
SCALE 6 : 1

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 Fax: +1.919.772.8259 www.ati-ia.com
 ISO 9001 Registered Company

DRAWN BY: D. Swanson 11/2/09	TITLE KF19-M, KF14-T Module Drawing		
CHECKED BY: DKL/DTM 11/3/09	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-KF19M KF14T-02
WEIGHT LBS: 0.22	PRODUCT RELEASE # 080218-1 DATE:		SHEET 2 OF 2
ASSEMBLY REF:			