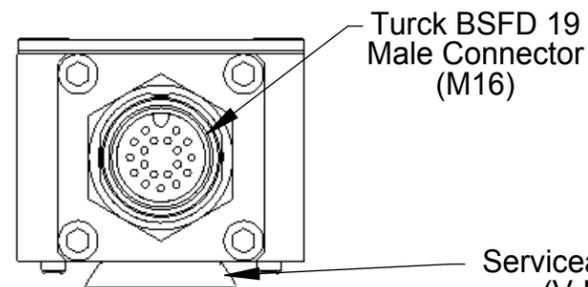
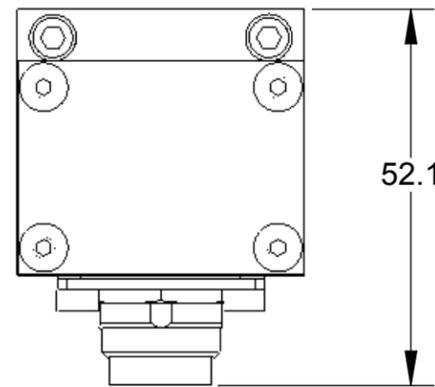
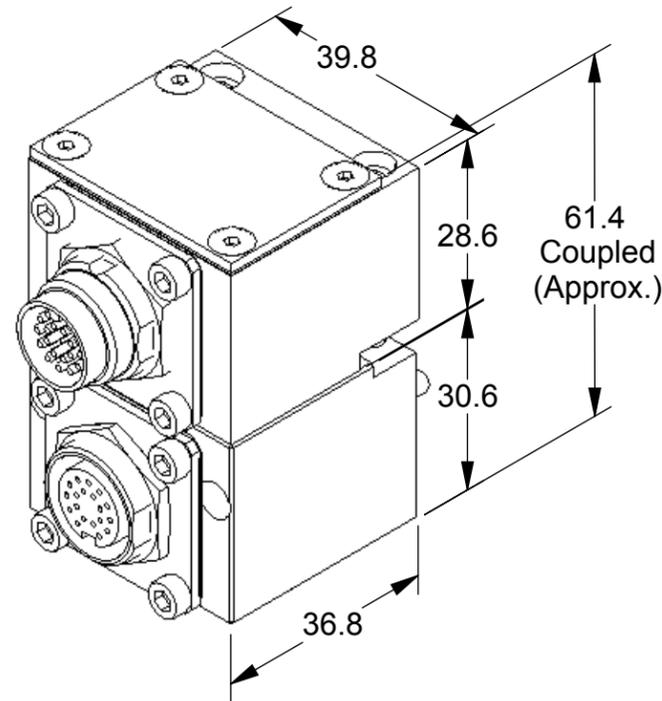
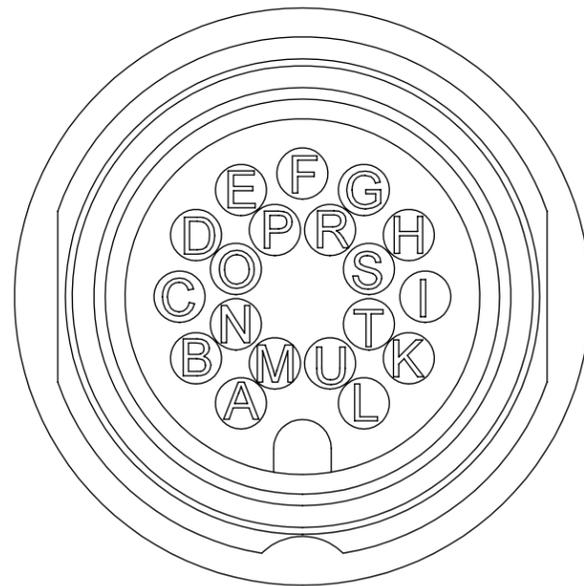


Rev.	Description	Initiator	Date
01P	Initial Issue	JEW	9/28/07

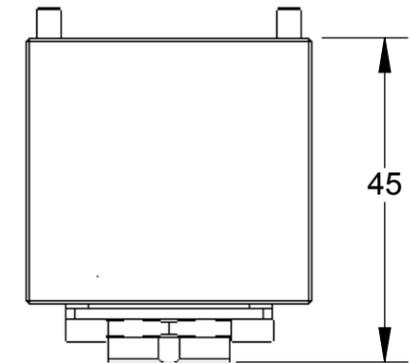
**KF19 Master Module
(9120-KF19-M)**



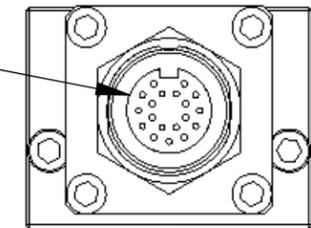
Serviceable Part:
(V-Ring)
(4010-0000017-01)



**KF19 Tool Module
(9120-KF19-T)**

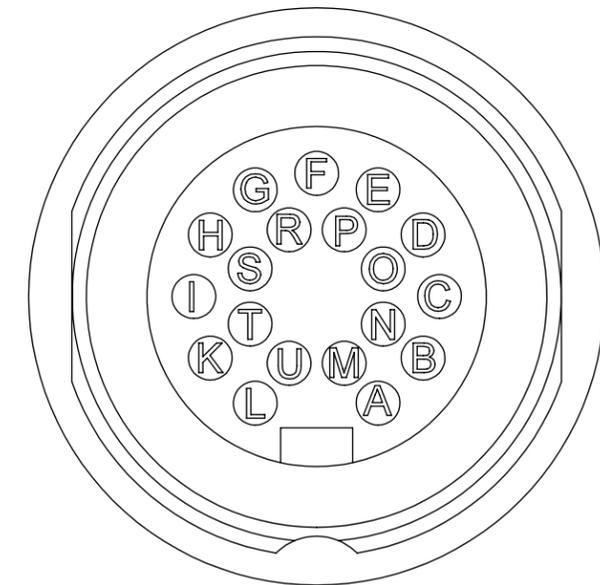


Turck BKFD 19
Female Connector
(M16)



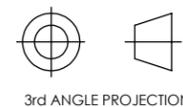
KF19 Pin Out

KF19 Master Turck BSFD 19 Male Connector		KF19 Tool Turck BKFD 19 Female Connector
A	----->-----	A
B	----->-----	B
C	----->-----	C
D	----->-----	D
E	----->-----	E
F	----->-----	F
G	----->-----	G
H	----->-----	H
I	----->-----	I
K	----->-----	K
L	----->-----	L
M	----->-----	M
N	----->-----	N
P	----->-----	P
R	----->-----	R
S	----->-----	S
T	----->-----	T
U	----->-----	U
O	----->-----	O
	GROUND	



- Notes:
1. Large views of connectors are 4:1 scale.
 2. 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.

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



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DRAWN BY: J. Williams 11/19/07		TITLE KF19 Module Drawing	
CHECKED BY: D Lawson 11/20/07		SCALE 1:1	SIZE B
WEIGHT LBS: .45		DRAWING NUMBER 9630-20-KF19-01	
ASSEMBLY REF:		PRODUCT RELEASE # 070927-2 DATE:	
		SHEET 1 OF 1	