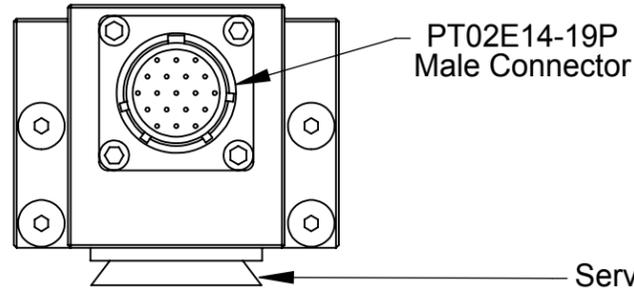
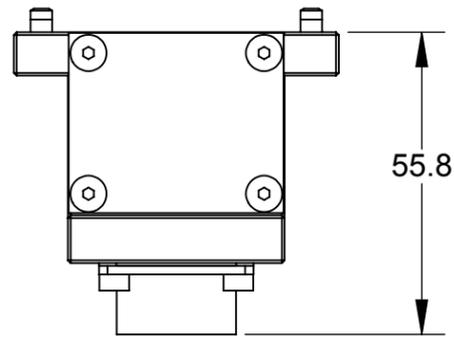


"DANGER! - For electrical modules using > 60VDC or 42 VAC, NO contact should be attempted before removing power. This especially includes separation or insertion of the mating connectors or any contact with the tool changer or its components."

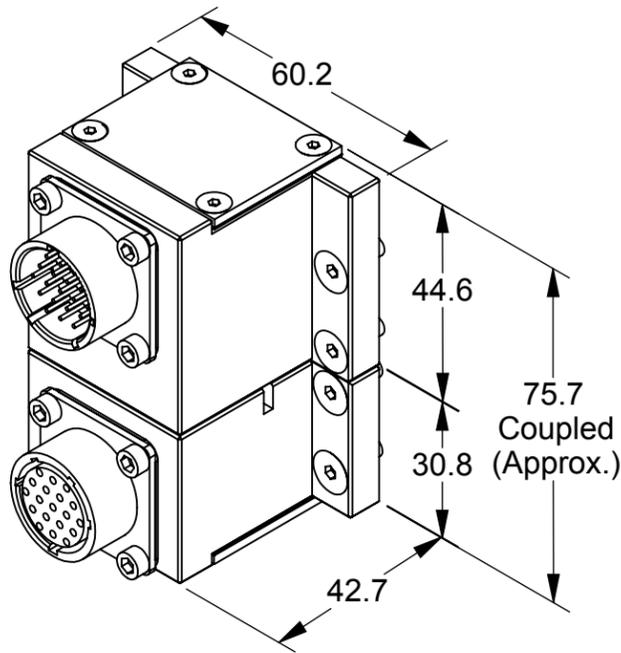
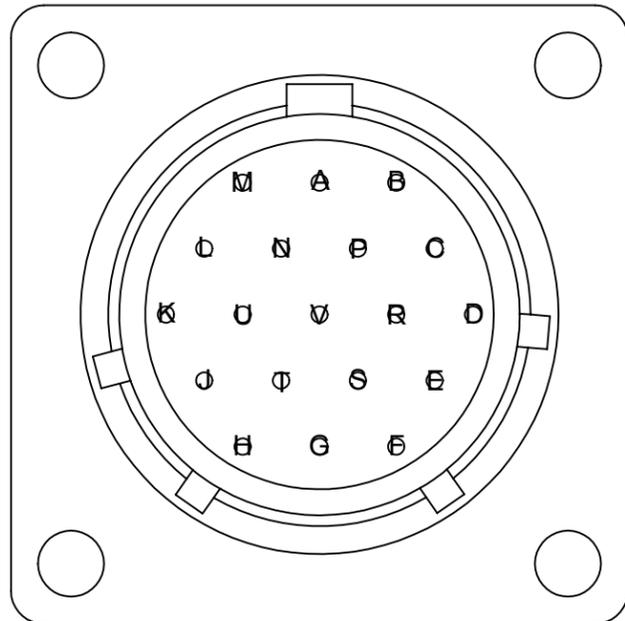
Rev.	Description	Initiator	Date
04	ECO 4493; updated Vview of R19 Connector.	KLP	3/14/2006
05	ECO 5942; Added "Danger! remove power" note.	CDM	12/5/2007

R19 Master Module
(9120-R19-M)



PT02E14-19P
Male Connector

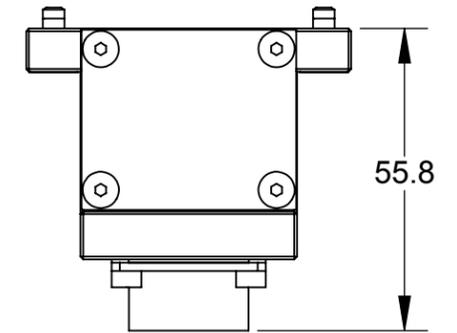
Serviceable Part:
(V-Ring)
4010-0000030-01



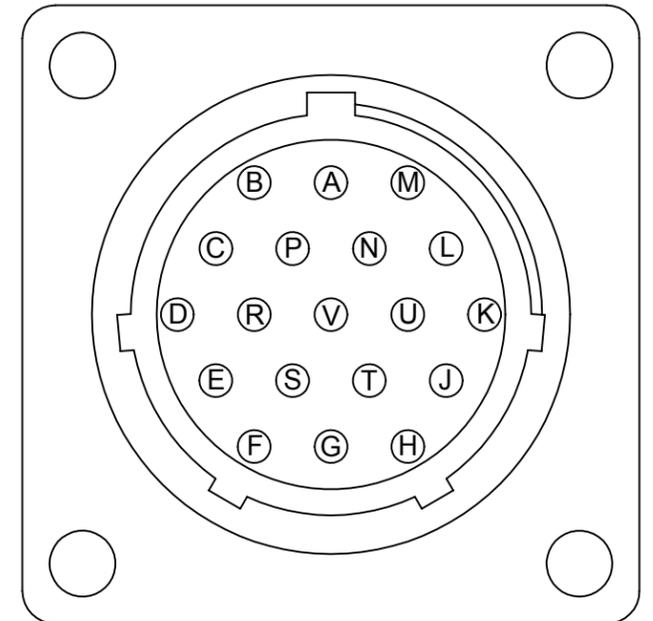
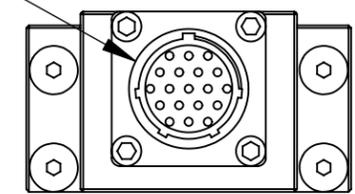
R19 Pin Out

R19 Master PT02E14-19P Male Connector	R19 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	P
R	R
S	S
T	T
U	U
V	V (See Note 2)

R19 Tool Module
(9120-R19-T)

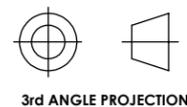


PT02E14-19S
Female Connector



- Note:
1. Large views of connectors are 3:1 scale.
 2. Pin "V" on the amphenol connectors 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: P.Sparrow, 7/11/03		TITLE R19 Module Drawing	
CHECKED BY: B.Digeso, 9/8/03		SCALE 3:4	DRAWING NUMBER 9630-20-R19-05
WEIGHT LBS: .71		SIZE B	DATE
ASSEMBLY REF:		PRODUCT RELEASE # 030725-3	SHEET 1 OF 1