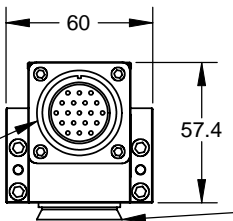
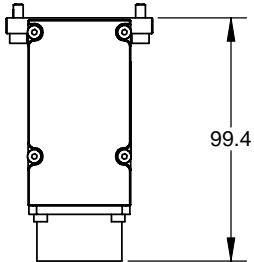


PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC.  
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 ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

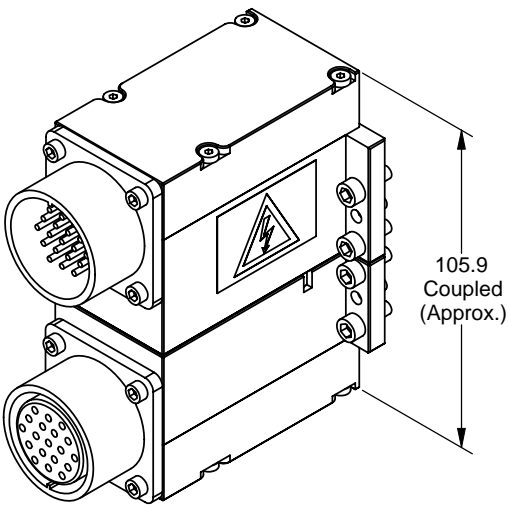
Rev.	Description	Initiator	Date
02	Added note 3.	PS	10/31/2007

MTR14 Master Module  
(9120-MTR14-M)

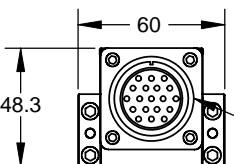
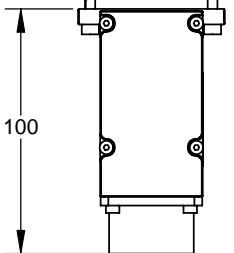


MS3102E22-14P  
Male Connector

Serviceable Part:  
(V-Ring)  
4010-0000041-01



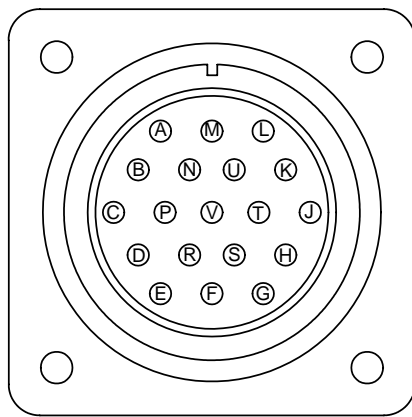
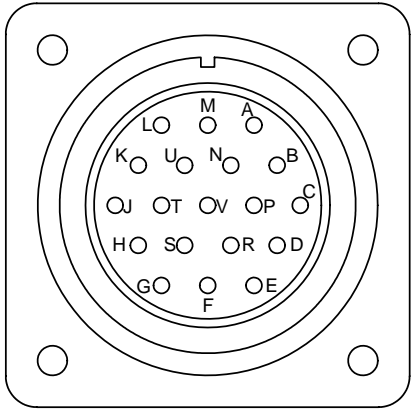
MTR14 Tool Module  
(9120-MTR14-T)



MS3102E22-14S  
Female Connector

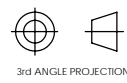
MTR14 Pin Out

MTR14 Master MS3102E22-14P Male Connector		MTR14 Tool MS3102E22-14S 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 (See Note 2)
P	----->>>	P
		R Not Used
		S Not Used
		T Not Used
		U Not Used
		V Not Used



- Notes:
1. Large views of connectors are 2.5:1 and 2:1 scale.
  2. Pin "N" on the MS connector is First-to-mate Last-to-break at the Tool Changer interface. This pin is recommended for use as ground.
  3. DANGER! - For electrical modules using > 60 VDC 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.

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



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DRAWN BY: P.Sparrow, 7/12/07	TITLE: MTR14 Module Drawing		
CHECKED BY: D.Swanson, 7/12/07	SCALE: 1:2	SIZE: B	DRAWING NUMBER: 9630-20-MTR14-02
WEIGHT LBS:	PRODUCT RELEASE # 070412-1 DATE: SHEET 1 OF 1		
ASSEMBLY REF:			