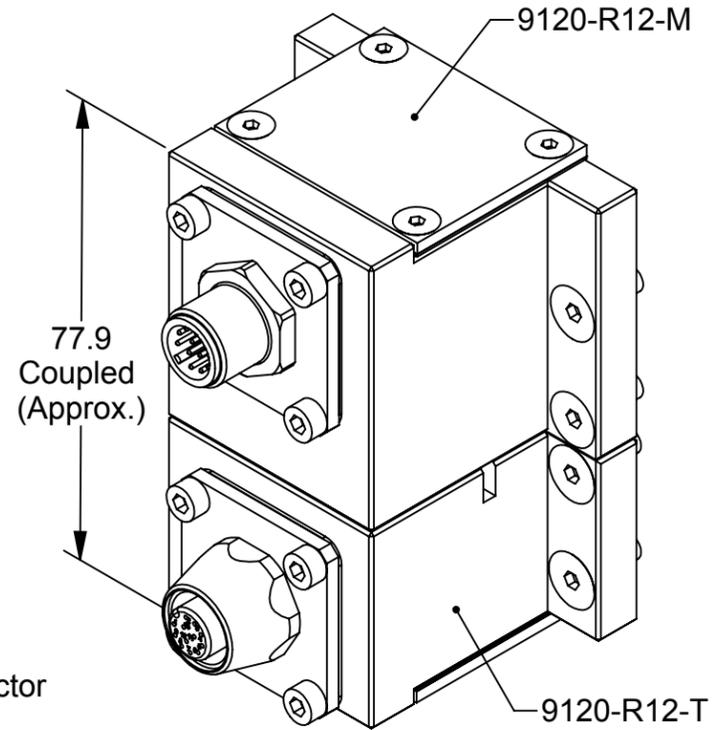
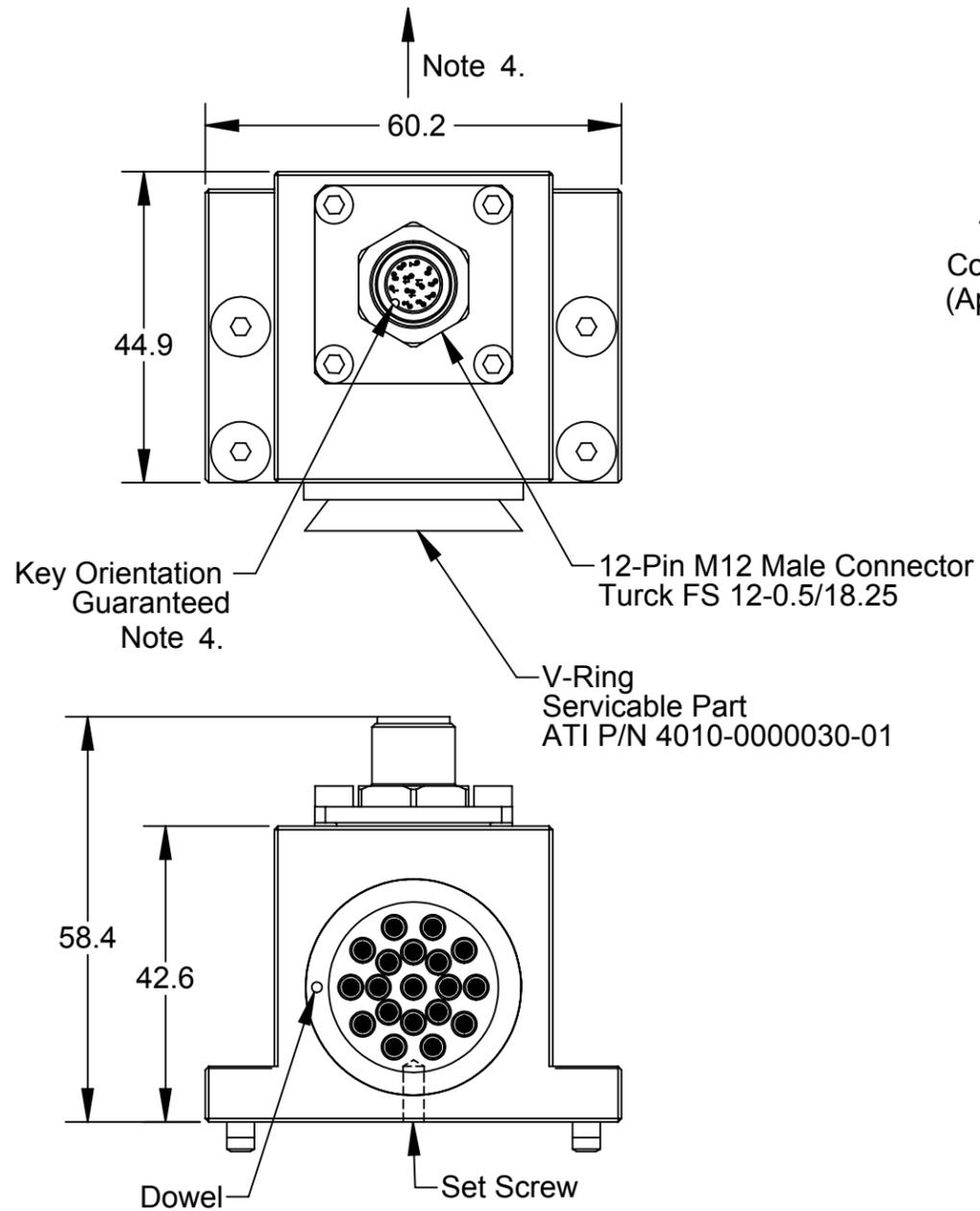
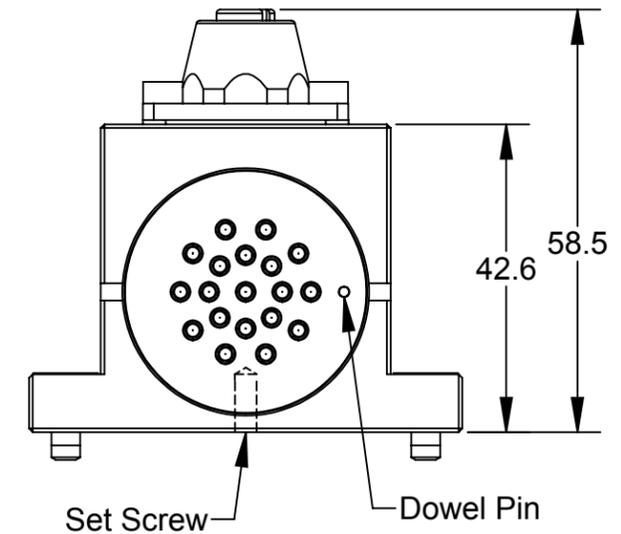
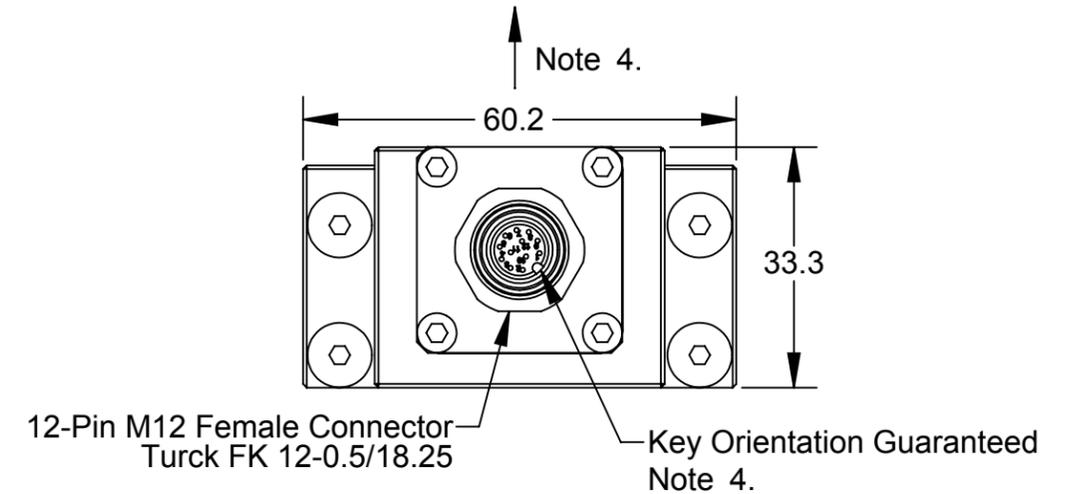


REV.	DESCRIPTION	INITIATOR	DATE
06	ECO 16455; Sheet 1: Added note for V-Ring as servicable part.	MLS	3/28/2018

9120-R12-M Master Module



9120-R12-T Tool Module



Notes:

1. Module Electrical Rating: 2A/60VAC/75VDC
2. See Sheet 2 for customer interface information.
3. See Sheet 3 for module wiring schematic.
4. Right angle connector mates will point in the indicated direction.



"DANGER!" - Electrical Shock Hazard

This module has a Voltage of 50V or greater, 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. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

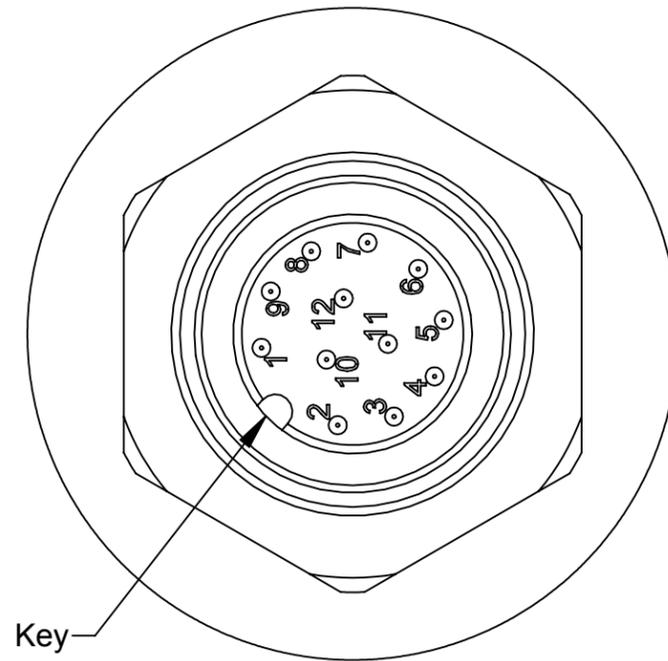
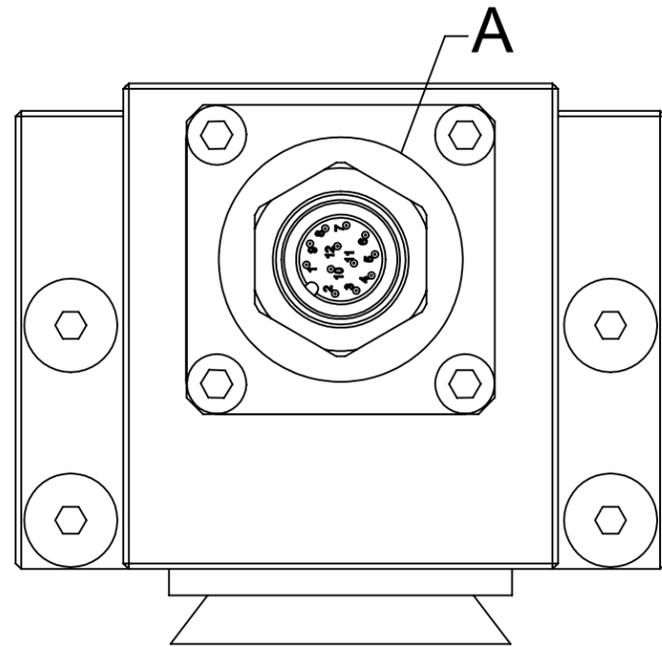


1031 Goodworth Drive, Apex, NC 27539, USA
 Tel: +1.919.772.0115 Email: info@ati-ia.com
 Fax: +1.919.772.8259 www.ati-ia.com
 ISO 9001 Registered Company

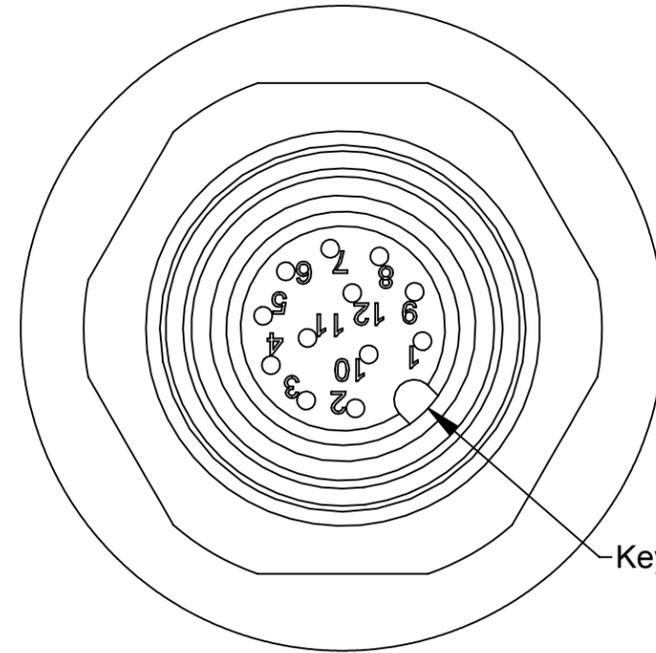
PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: M. Newell, 10/31/17		TITLE	
CHECKED BY: W. Berrocal, 11/8/17 K. Davis, 11/3/17		R12 Module Drawing	
PROJECT # 171017-1	SHEET 1 OF 3	SCALE 1:1	SIZE B
DRAWING NUMBER 9630-20-R12		REVISION 06	

9120-R12-M

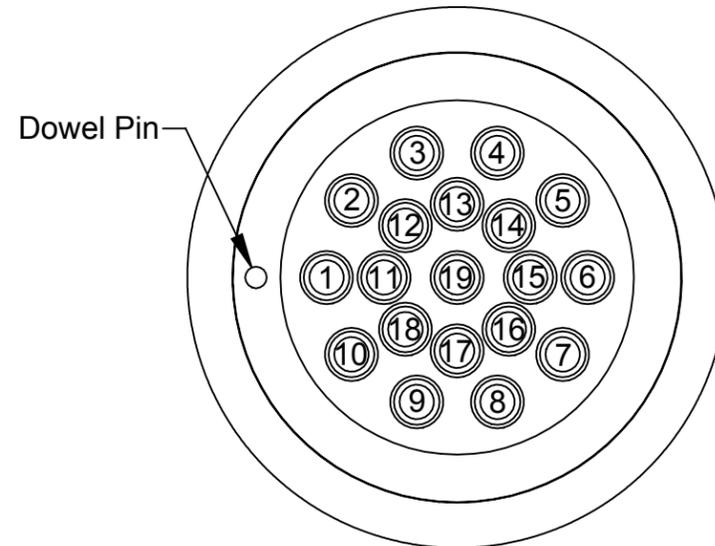
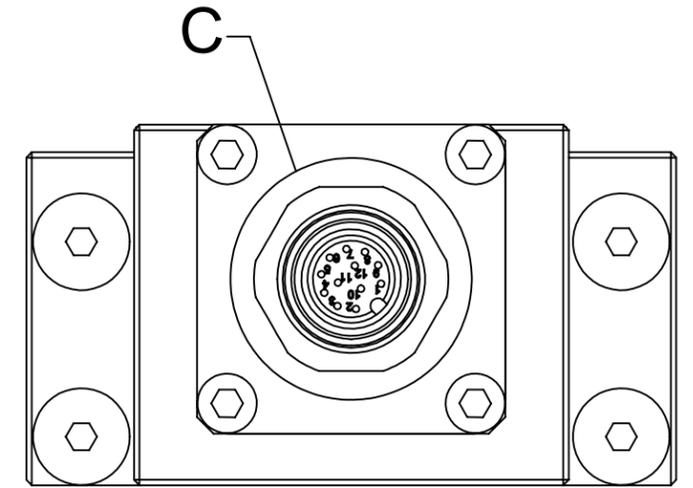


DETAIL A
SCALE 4 : 1

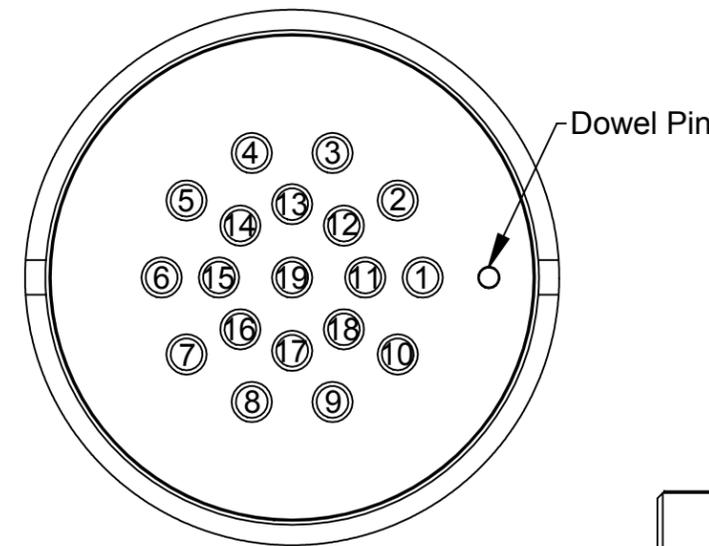


DETAIL C
SCALE 4 : 1

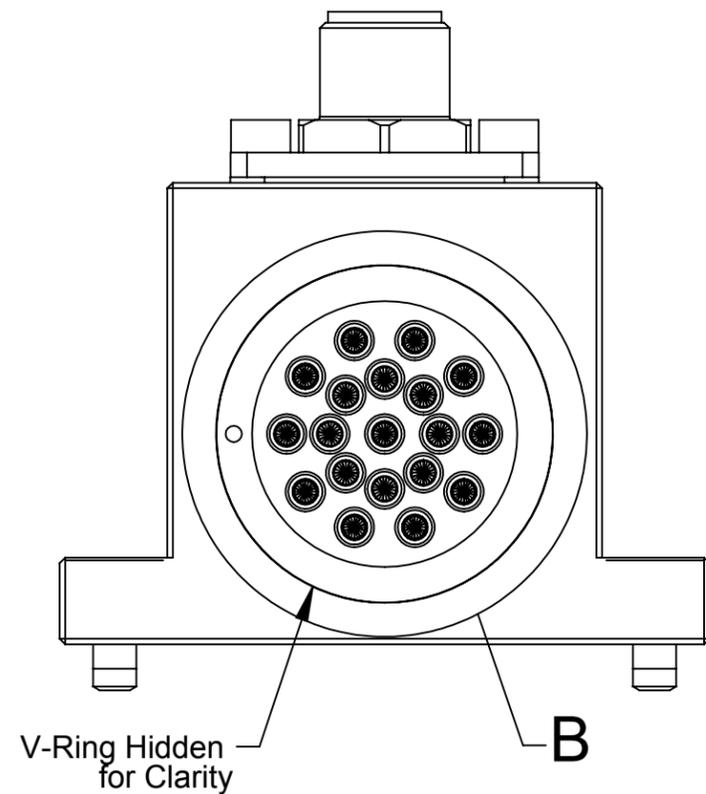
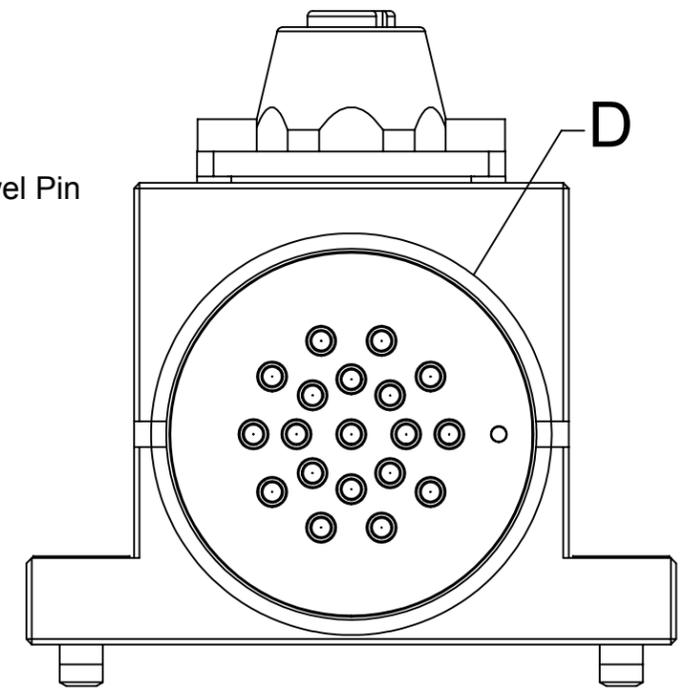
9120-R12-T



DETAIL B
SCALE 2 : 1



DETAIL D
SCALE 2 : 1



NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. 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

PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.



3rd ANGLE PROJECTION

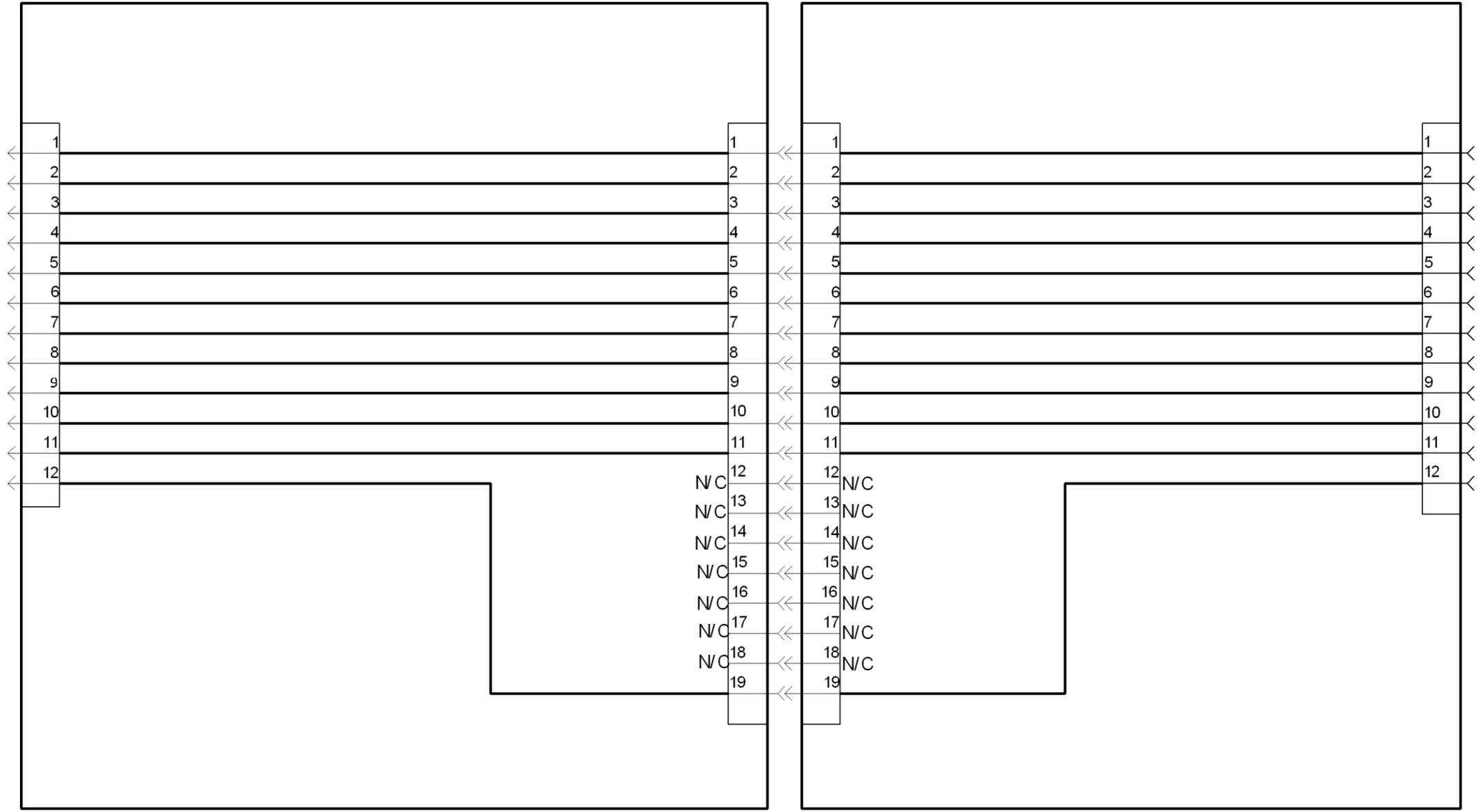
DRAWN BY: M. Newell, 10/31/17		TITLE	
CHECKED BY: W. Berrocal, 11/8/17 K. Davis, 11/3/17		R12 Module Drawing	
PROJECT #	171017-1	SHEET	2 OF 3
SCALE	3:2	SIZE	B
DRAWING NUMBER	9630-20-R12	REVISION	06

9120-R12-M

9120-R12-T

M12 12-Pin
Male
Connector

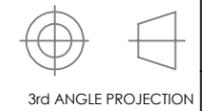
M12 12-Pin
Female
Connector



- Note:
1. Pin 19 on the ATI Pin Block is the First-to-Mate, Last-to-Break at the pin block interface.
 2. Pin 19 is recommended as ground.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. 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

PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: M. Newell, 10/31/17		TITLE	
CHECKED BY: W. Berrocal, 11/8/17 K. Davis, 11/3/17		R12 Module Drawing	
PROJECT #	171017-1	SHEET	3 OF 3
SCALE	1:1	SIZE	B
DRAWING NUMBER	9630-20-R12		REVISION
			06