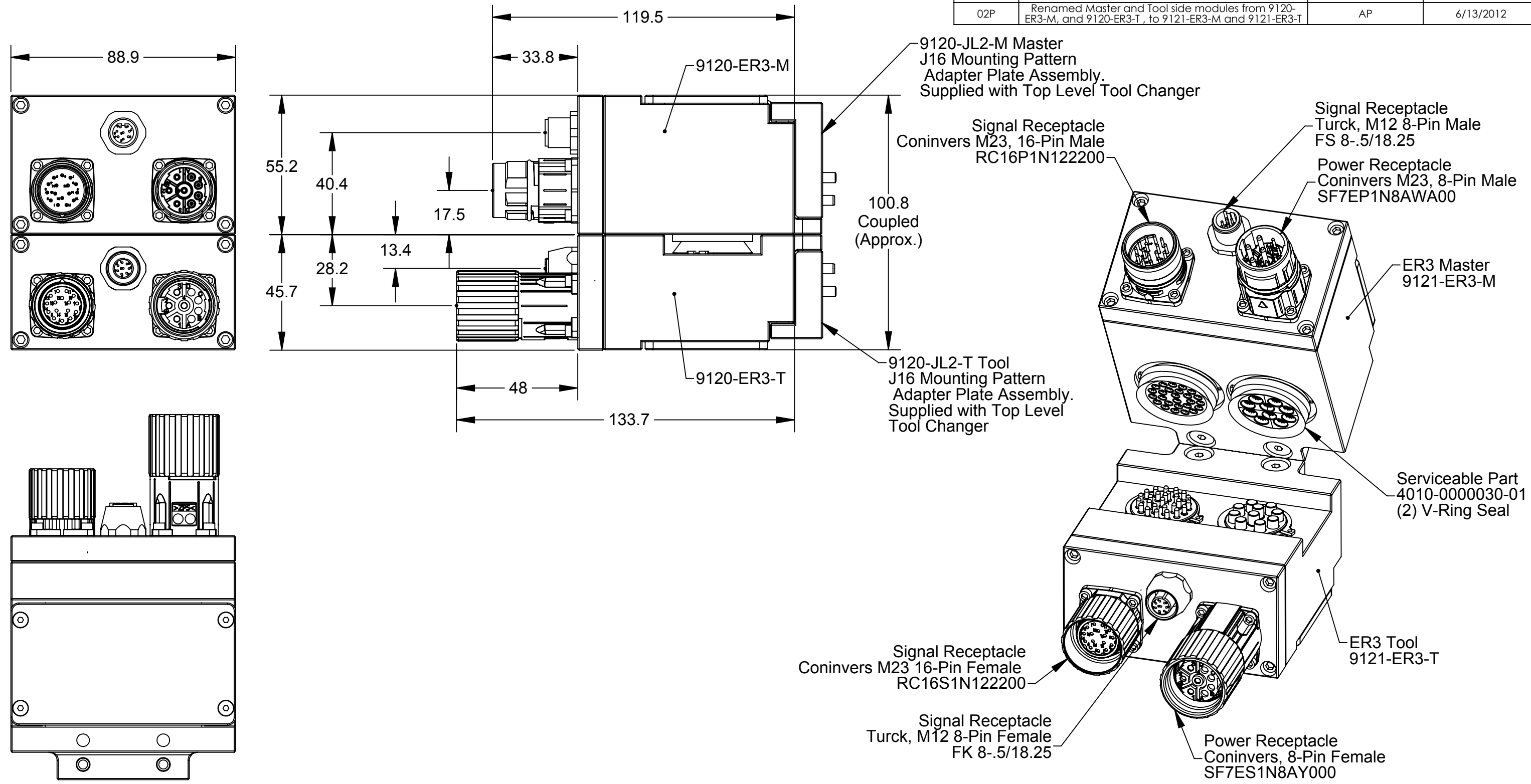


Rev.	Description	Initiator	Date
01P	Initial Drawing.	AP	6/05/12
02P	Renamed Master and Tool side modules from 9120-ER3-M, and 9120-ER3-T, to 9121-ER3-M and 9121-ER3-T	AP	6/13/2012



- Notes:
1. Customer is to approve Connector Selection and connector orientation.
 2. Customer is to approve Electrical Schematic on Sheet 4 of this drawing.

"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."

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

3rd ANGLE PROJECTION

ATI INDUSTRIAL AUTOMATION

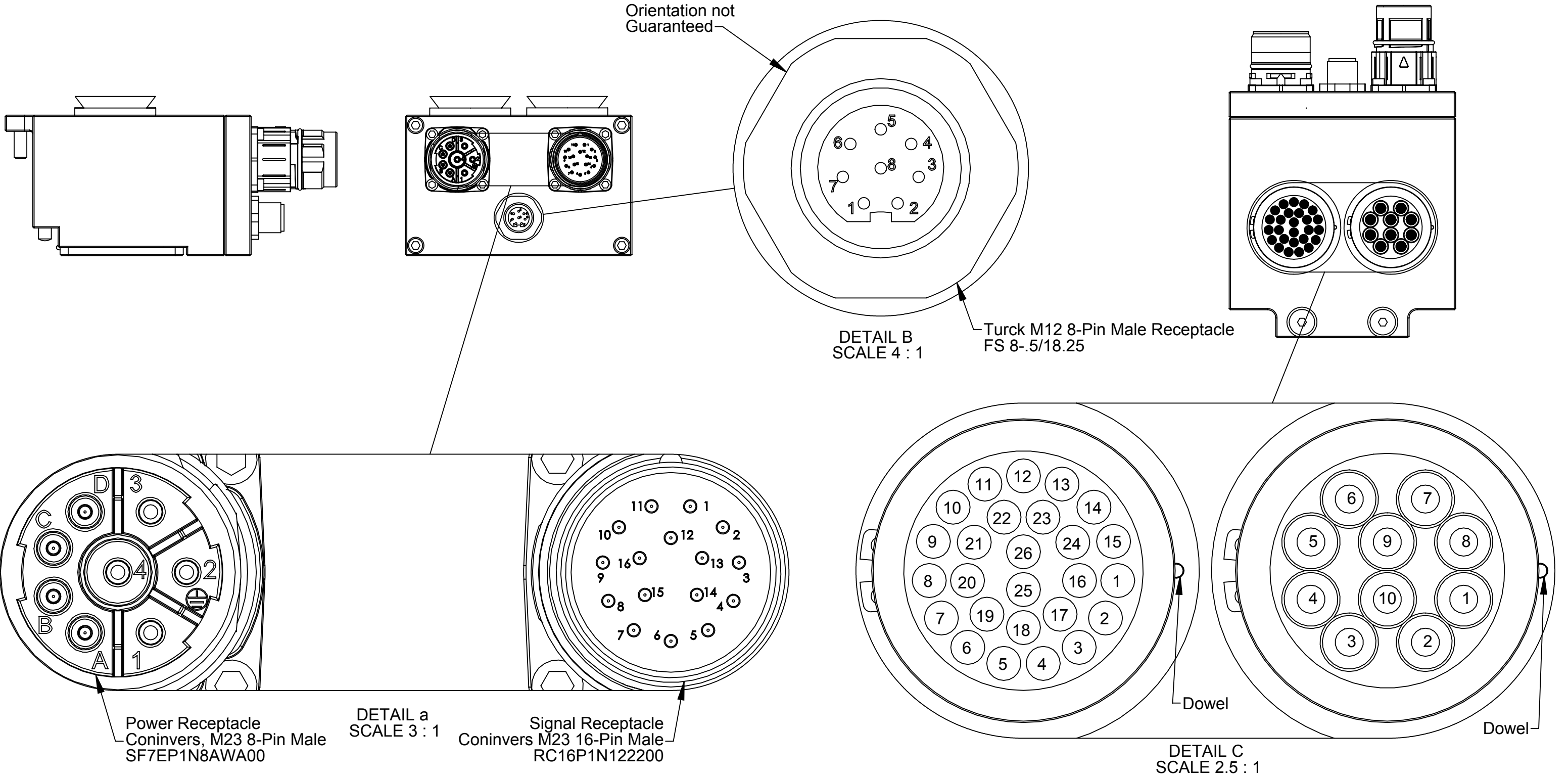
1031 Goodworth Drive, Apex, NC 27539, USA
Tel: +1.919.772.0115 Email: info@ati-ia.com
Fax: +1.919.772.8259 www.ati-ia.com
ISO 9001 Registered Company

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DRAWN BY: A Pongor 06/05/12		TITLE	
CHECKED BY: A Takla 06/06/12 L Costello 06/07/12		ER3 Servo Module, Master and Tool Customer Drawing	
PROJECT # 120410-3	SHEET 1 OF 4	SCALE 1:2	SIZE B
		DRAWING NUMBER 9630-20-ER3	REVISION 03

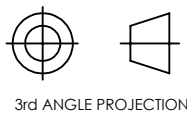
9121-ER3-M

Rev.	Description	Initiator	Date
-	See Sheet1	-	-



NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING.
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MILLIMETERS.



3rd ANGLE PROJECTION



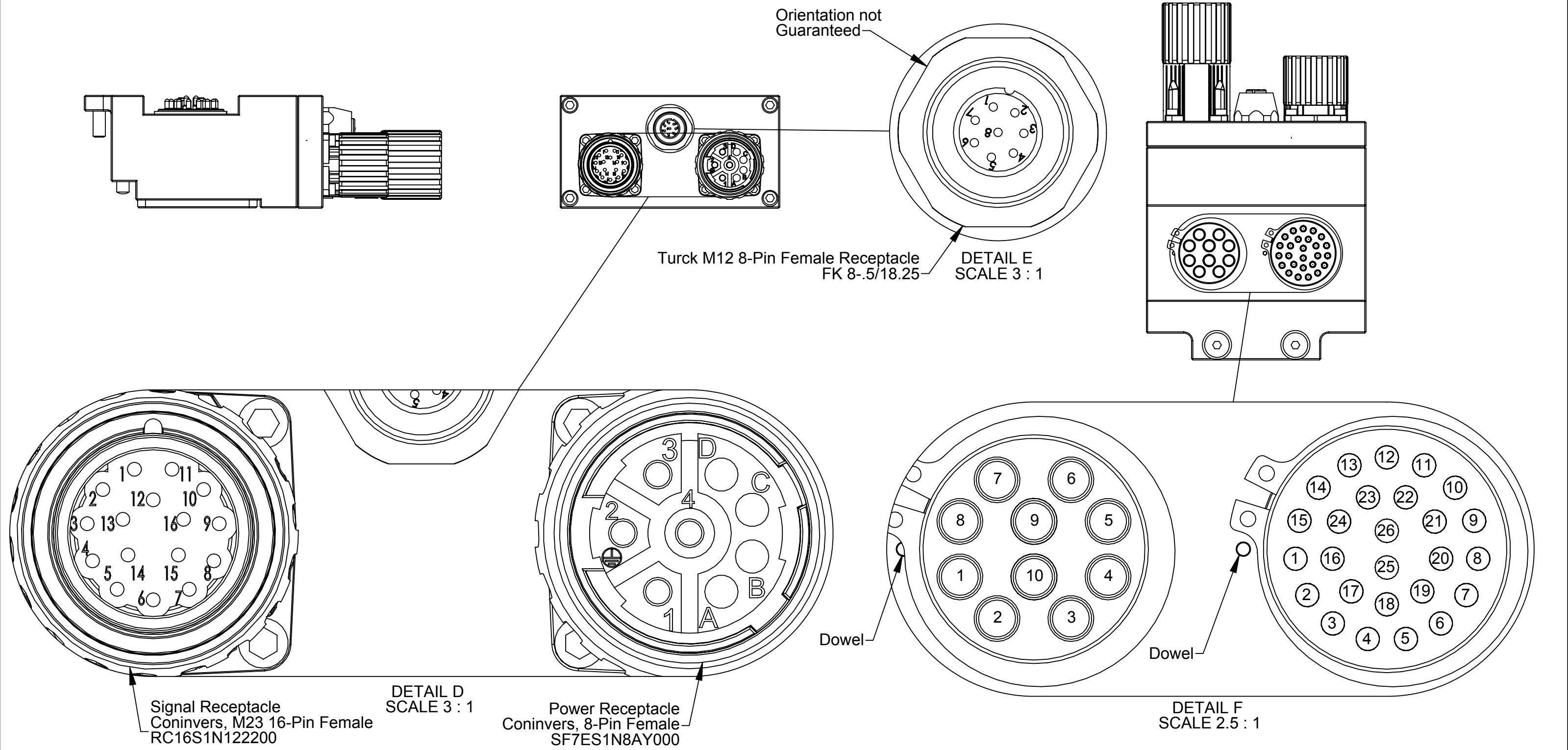
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PROJECT # 120410-3 SHEET 2 OF 4	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-ER3
			REVISION 03

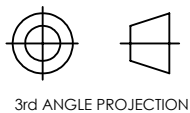
9121-ER3-T

Rev.	Description	Initiator	Date
-	See Sheet1	-	-



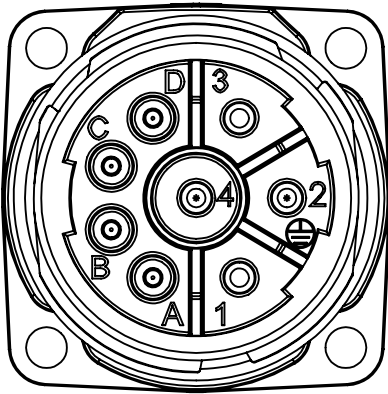
NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

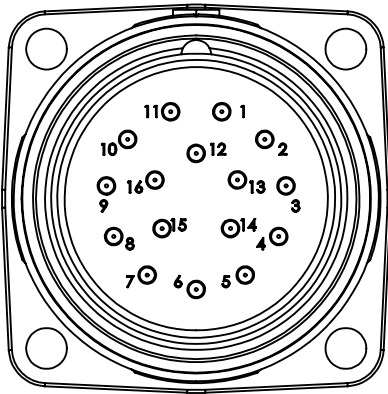


3rd ANGLE PROJECTION

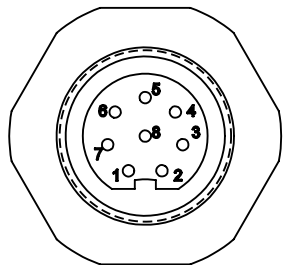
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	PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.				
	DRAWN BY: A Pongor 06/05/12		TITLE ER3 Servo Module, Master and Tool Customer Drawing		
	CHECKED BY: A Takla 06/06/12 L Costello 06/07/12				
PROJECT # 120410-3 SHEET 3 OF 4	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-ER3		REVISION 03



Power Receptacle
Coninvers, 8-Pin Male
SF7EP1N8AWA00



Signal Receptacle
Coninvers M23 16-Pin Male
RC16P1N122200

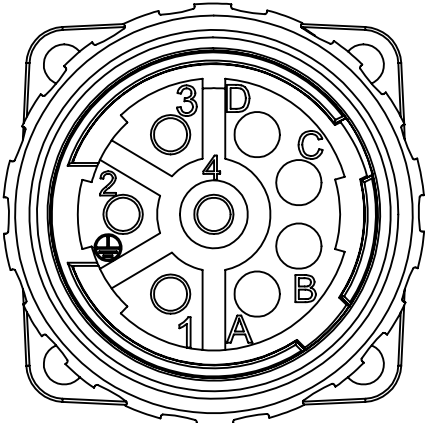
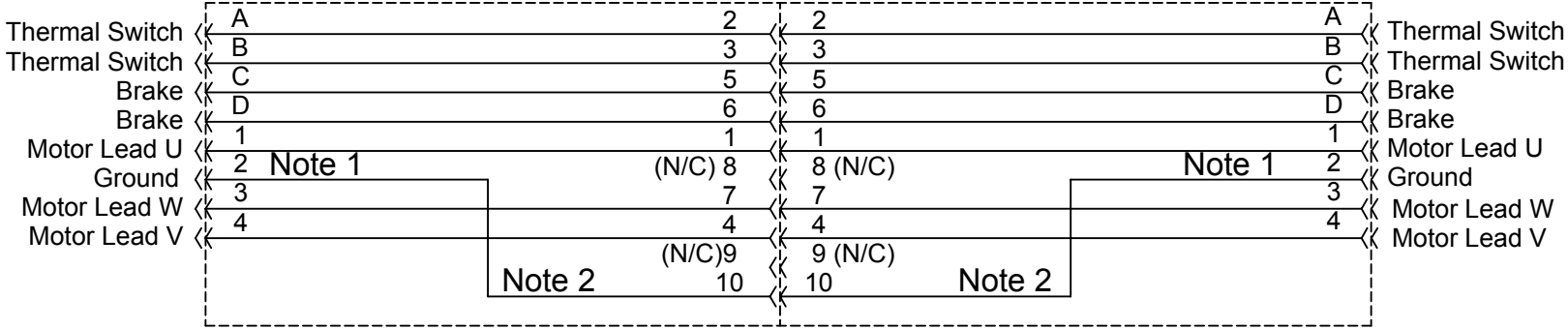


Turck M12 8-Pin Male Receptacle
FS 8-.5/18.25

ER3 Master

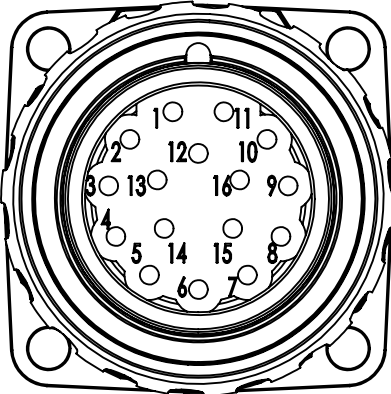
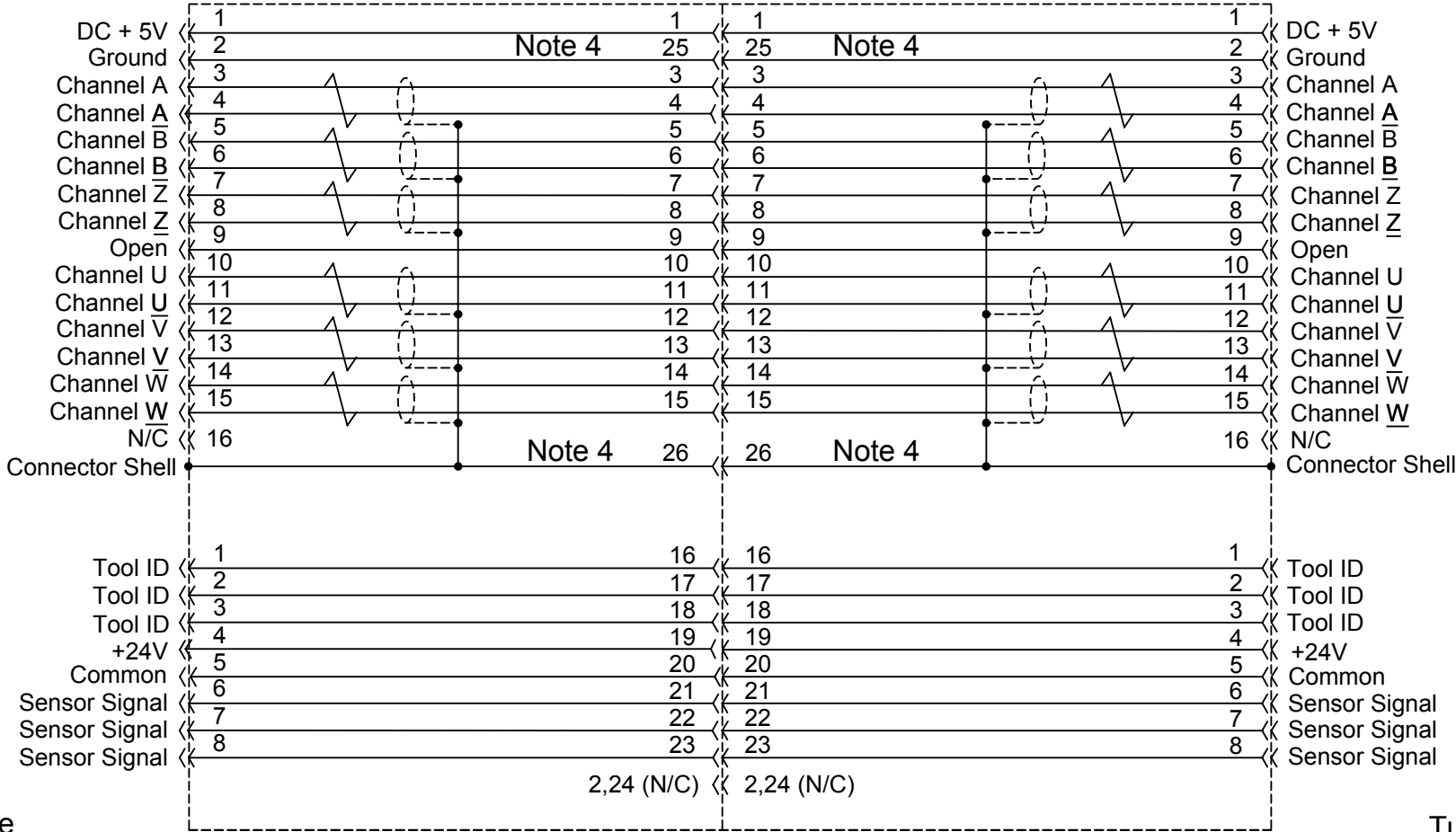
ER3 Tool

ATI 10-Pin Block

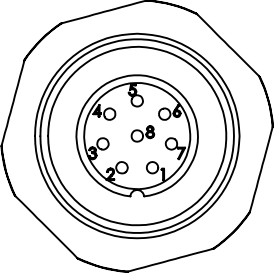


Power Receptacle
Coninvers M23, 8-Pin Female
SF7ES1N8AY000

ATI 26-Pin Block



Signal Receptacle
Coninvers M23 16-Pin Female
RC16S1N122200



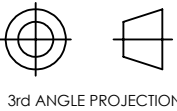
Turck M12 8-Pin Female Receptacle
FK 8-.5/18.25

Notes:

- Pin 2 on male and female power connector is attached to connector shell by manufacturer.
- Pin 10 of on the ATI 10-Pin Block is First-To-Mate and Last-To-Break contact, recommended as ground.
- Connector shells are electrically isolated from module. The cover material is Delrin.
- Pin 25 and 26 on the ATI 26-Pin Block is First-To-Mate and Last-To-Break contact, recommended as ground.

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CHECKED BY: A Takla 06/06/12 L Costello 06/07/12		ER3 Servo Module, Master and Tool Customer Drawing	
PROJECT # 120410-3	SHEET 4 OF 4	SCALE 1:2	SIZE B
DRAWING NUMBER 9630-20-ER3		REVISION 03	