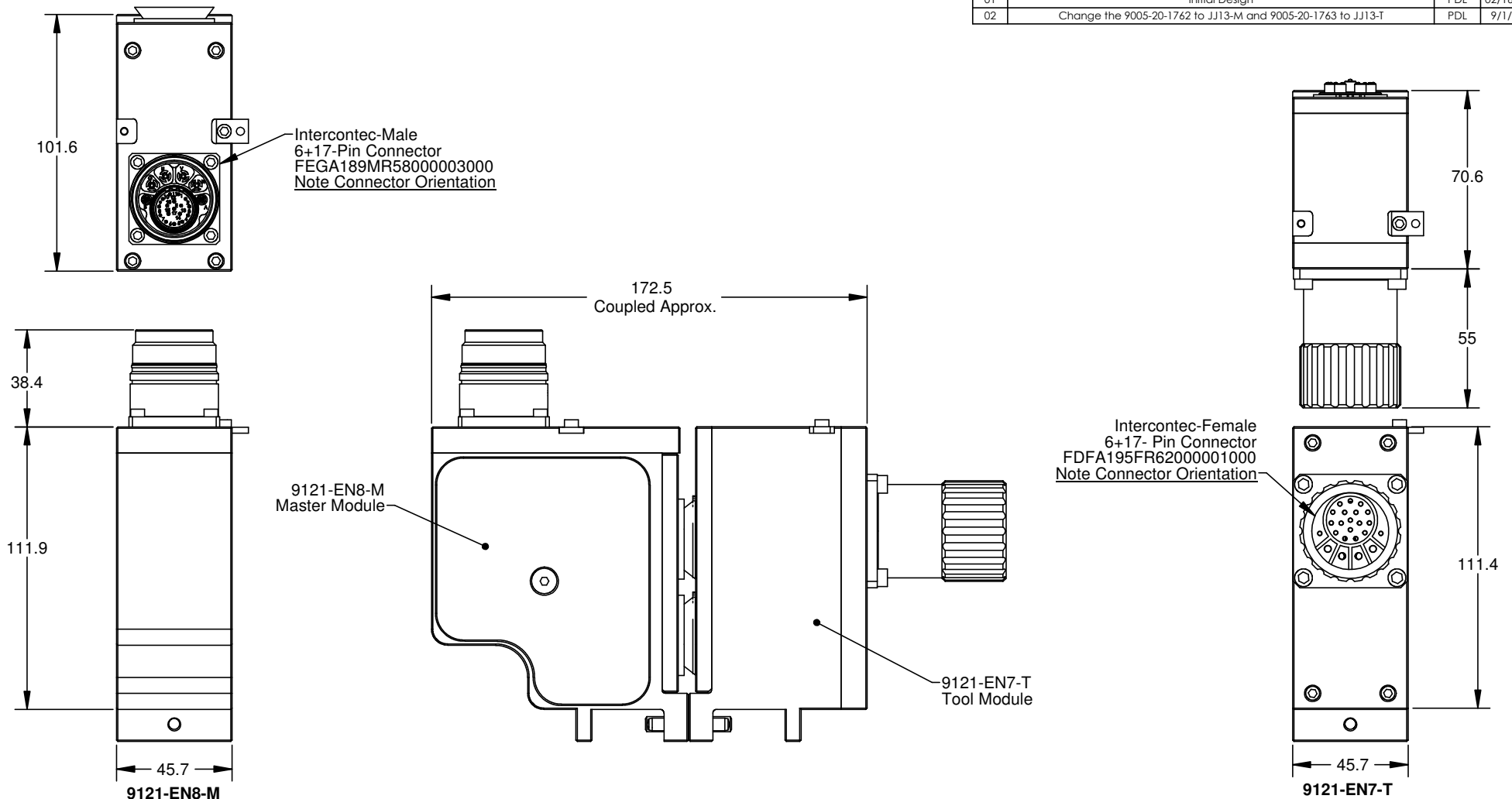


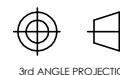
Rev.	Description	Initiator	Date
01	Initial Design	PDL	02/16/2011
02	Change the 9005-20-1762 to JJ13-M and 9005-20-1763 to JJ13-T	PDL	9/1/2011



" 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.

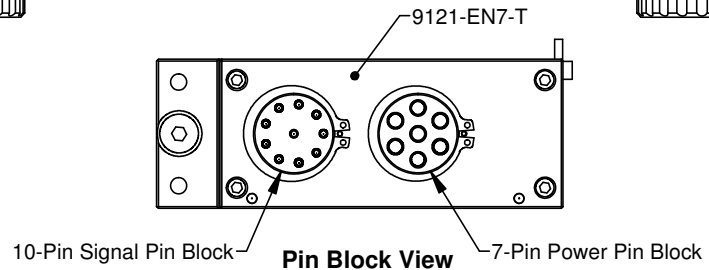
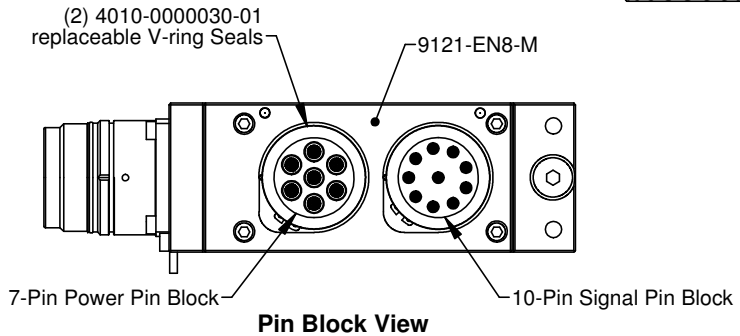
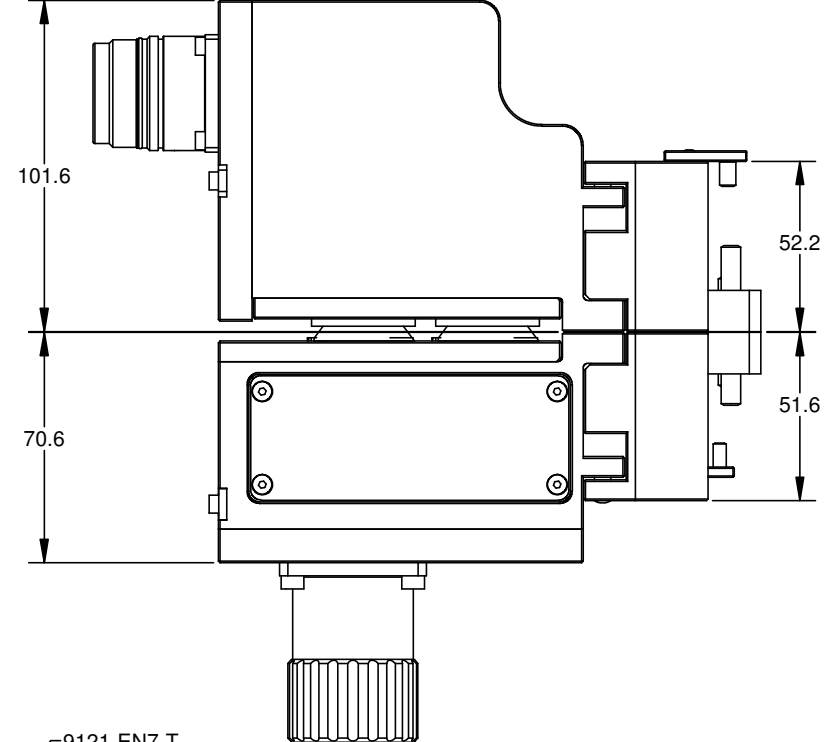
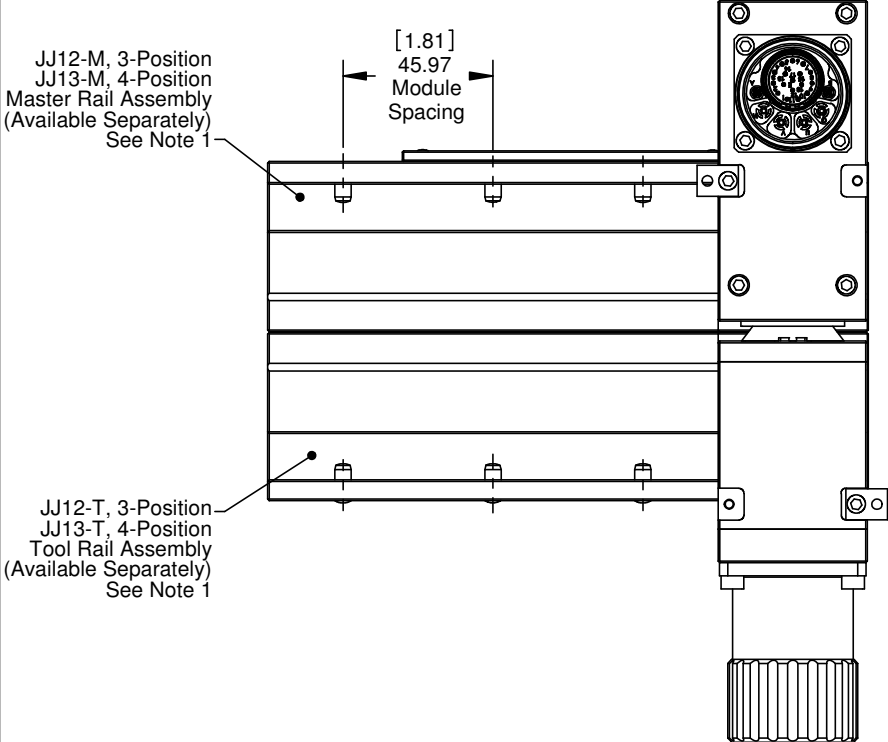


1031 Goodworth Drive, Apex, NC 27539, USA
 Tel: +1.919.772.0115 Email: info@ati-ia.com
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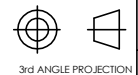
DRAWN BY: A. Pongor, 11/18/2010	TITLE EN8-M / EN7-T Servo Modules		
CHECKED BY: W.Berrocal, 12/21/10 A.Strotzer, 12/21/10			
PROJECT # 101116-1 SHEET 1 OF 3	SCALE 1:1.5	SIZE B	DRAWING NUMBER 9630-20-EN8M EN7T
			REVISION 02

Rev.	Description	Initiator	Date
-	See Sheet 1	-	-

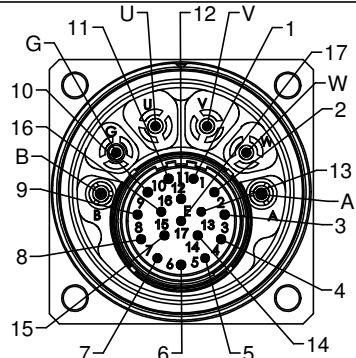


Notes:
 1. It is important to note the rails are wider than the flats of a QC-210 (160 mm) changer. Consult ATI Application Engineers to ensure that adjacent modules do not interfere.

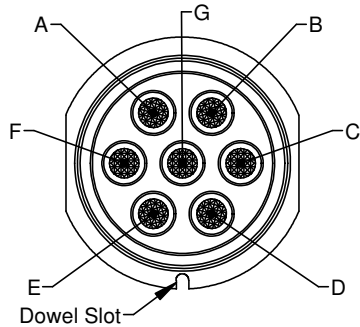
NOTES: UNLESS OTHERWISE SPECIFIED. DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.				1031 Goodworth Drive, Apex, NC 27539, USA Tel: +1.919.772.0115 Email: info@ati-ia.com Fax: +1.919.772.8259 www.ati-ia.com ISO 9001 Registered Company	
DRAWN BY: A. Pongor, 11/18/2010 CHECKED BY: W. Berrocal, 12/21/10 A. Strotzer, 12/21/10		TITLE EN8-M / EN7-T Servo Modules			
PROJECT # 101116-1 SHEET 2 OF 3		SCALE 1:1.5	SIZE B	DRAWING NUMBER 9630-20-EN8M EN7T	REVISION 02



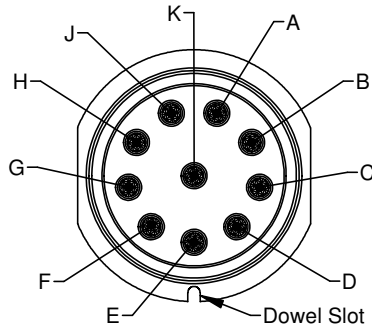
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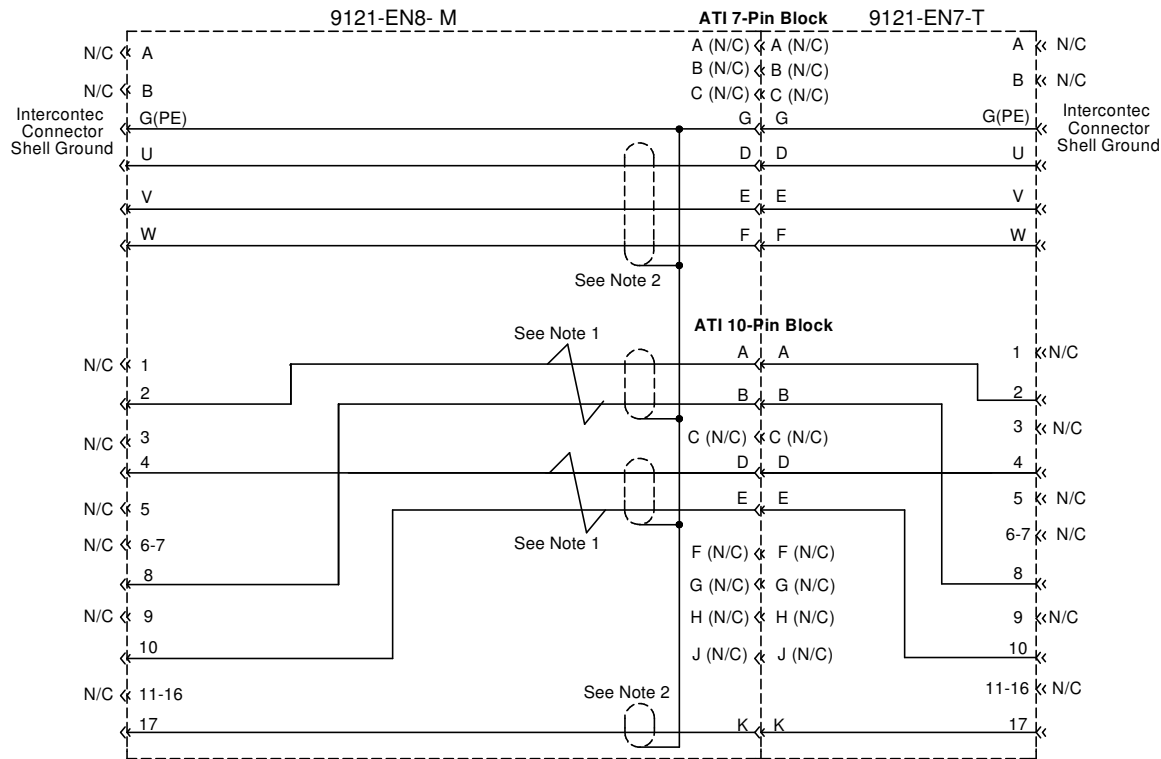
**INTERCONTEC-MALE
6+17-PIN CONNECTOR
FEGA189MR58000003000**



**7-Pin Block
Master Side**



**10-Pin Block
Master Side**



Schematic Notes:

1. The indicated wire pairs are twisted and shielded. The shields are connected to the Interconnect connector shell and pin G on the 7-pin ATI pin block.
2. The indicated wires are shielded. The shields are connected to the Interconnect connector shell and Pin G on the 7-Pin ATI pin block.
3. There are no shielded wires on the Tool Module due to the short wire length.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



DRAWN BY: A. Pongor, 11/18/2010

CHECKED BY: W.Berocal, 12/21/10

A.Strotzer, 12/21/10

PROJECT # 101116-1 SHEET 3 OF 3

TITLE

EN8-M / EN7-T Servo Modules

SCALE

1:2

SIZE

B

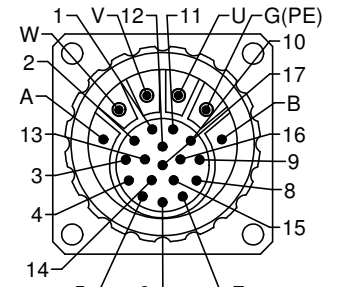
DRAWING NUMBER

9630-20-EN8M EN7T

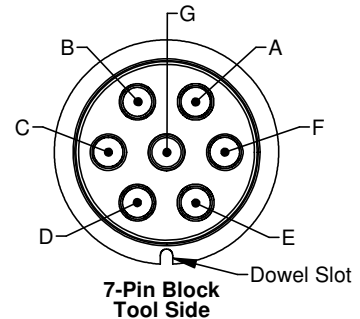
REVISION

02

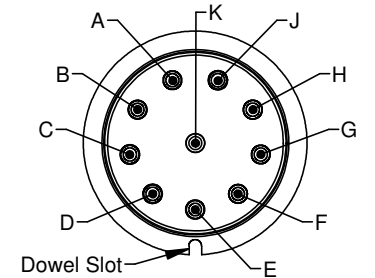
Rev.	Description	Initiator	Date
-	See Sheet 1	-	-



**INTERCONTEC-FEMALE
6+17-PIN CONNECTOR
FDFA195FR62000001000**



**7-Pin Block
Tool Side**



**10-Pin Block
Tool Side**

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