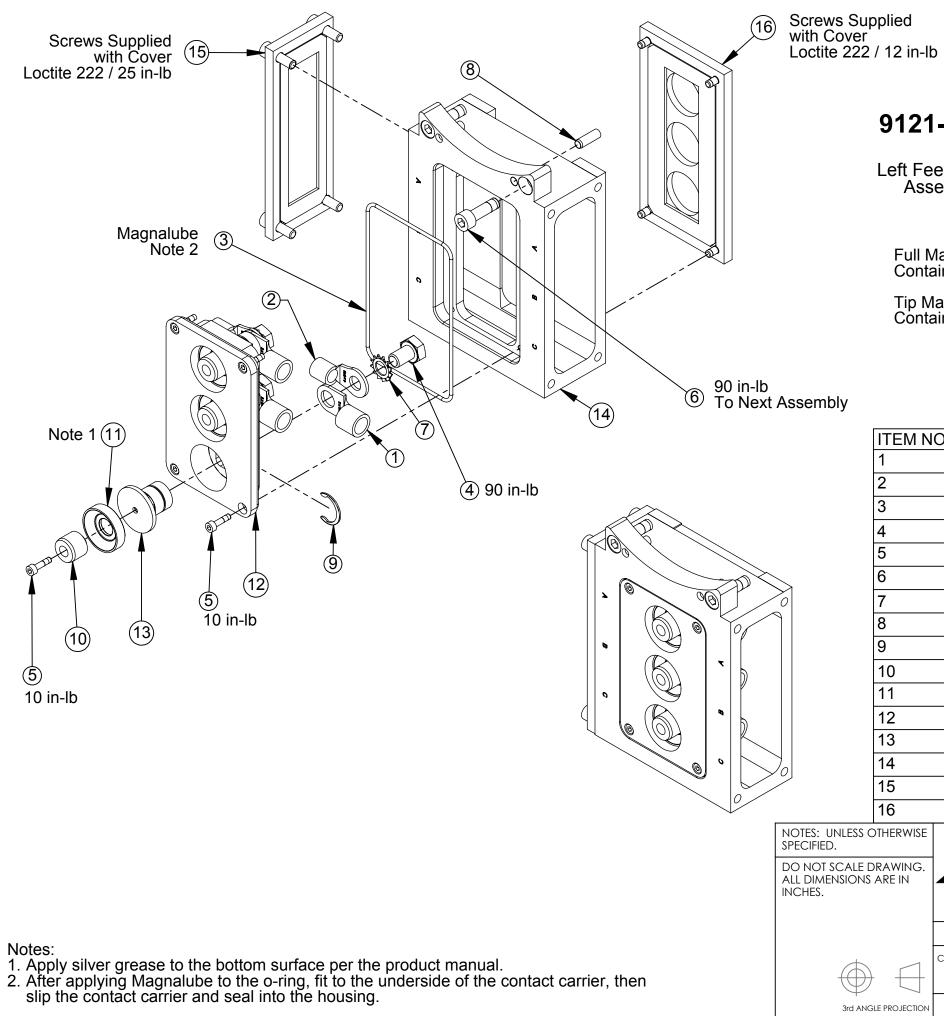


_∩	1
U	



## **Master Side Parts** 9121-PA21R-M & 9121-PA21L-M

Left Feed Shown. For Right Feed the End Cover Assembly is Located on the Opposite Side

Full Master Rebuild Kit = 9005-20-2580 Contains 1 each of items: 4, 5, 7, 9,10, 11 & 13

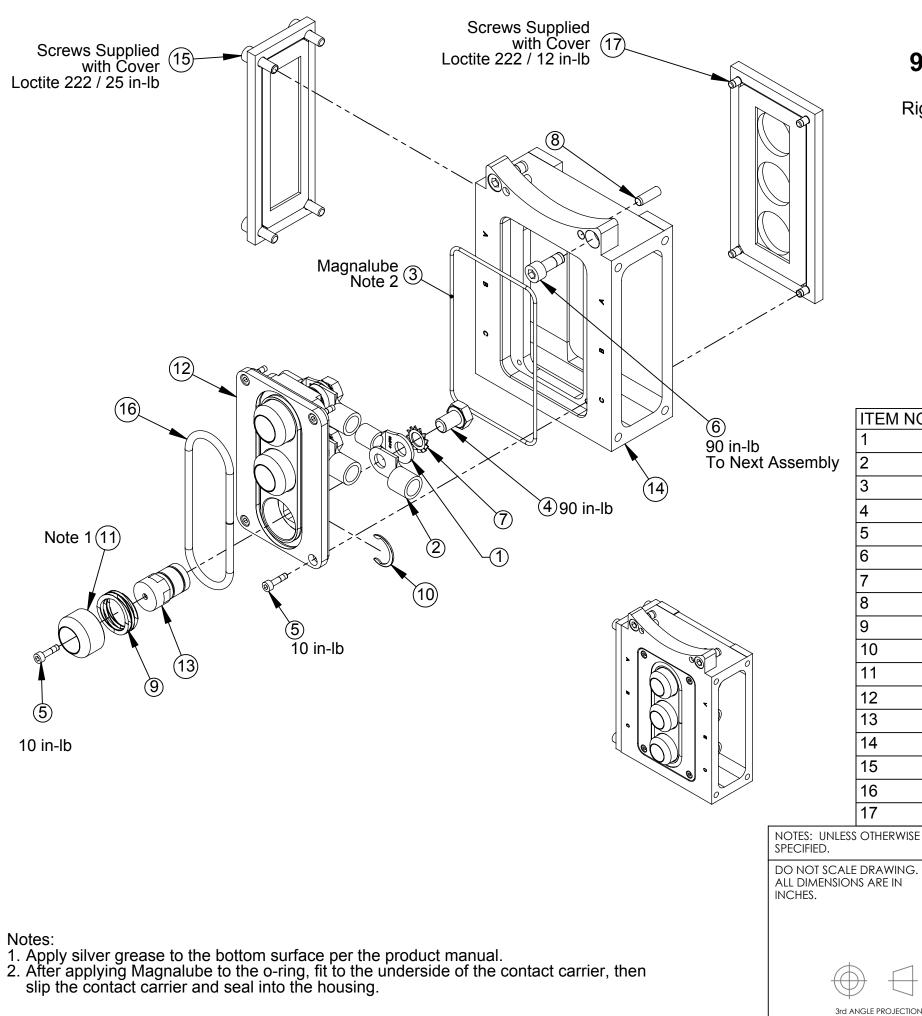
Tip Master Rebuild Kit = 9005-20-2582 Contains 1 each of items: 5, 10 & 11

		1	
ITEM NO.	QTY	PART NUMBER	E
1	3	1705-0610219-03	F
2	3	1705-0610220-03	F
3	1	3410-0001439-01	C
4	3	3500-0868012-12	Ν
5	7	3500-1058012-15A	Ν
6	2	3500-1066020-15A	Ν
7	3	3510-5267001-12	۷
8	2	3540-0105016-11	5
9	3	3690-6500004-11	L
10	3	3700-20-4153	11
11	3	3700-20-8523	C
12	1	3700-20-9501	C
13	3	3700-20-9510	C
14	1	3700-20-10484	F
15	1	9005-20-2495	E
16	1	9005-20-2603	C
OTHERWISE			

INDUSTRIAL AUTOMATION TITLE DRAWN BY: D.Lawson-6/5/18 PA2<sup>·</sup> CHECKED BY: K. Zachary-6/7/18 SCAL PROJECT # 180122-1 SHEET 2 OF 7 1:2

DESCRIPTION
Ring Terminal, Non Insulated, #2 AWG, 3/8" Stud
Ring Terminal, Non Insulated, #4 AWG, 5/16 Stud
O-Ring, 85mm x 2mm, Nitrile, 70A
V8 x 12 HHCS, Zinc, 8.8
V3-0.5 x 12mm SHCS, Blue, Pre-Applied
M6-1 x 20mm SHCS, Blue, Pre-Applied
Washer, Lock, Ext. Tooth, M8, Steel, Zn Plt, DIN 6797A
5mm x 16mm Dowel Alloy Steel
_ow-Clearance C-Style Ring for 5/8" Shaft Dia.
NSULATOR POST, MASTER
Contact Tip, 200A, Master, Silver Plate
Contact Block, PA20, Master
Contact Base, 200A, Bolt Type, PAXX Master
Housing, Box, PA20
End Cover Assembly, PA20, 44.8mm
Cover Plate Assembly, PA21
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.
1 Power Module Customer Drawing

E	SIZE	DRAWING NUMBER	REVISION
	В	9630-20-PA21	01



# **Tool Side Parts** 9121-PA21R-T & 9121-PA21L-T

Right Feed Shown. For Left Feed the End Cover Assembly is Located on the Opposite Side

Full Tool Rebuild Kit = 9005-20-2581 Contains 1 each of items: 4, 5, 7, 9, 10, 11 & 13

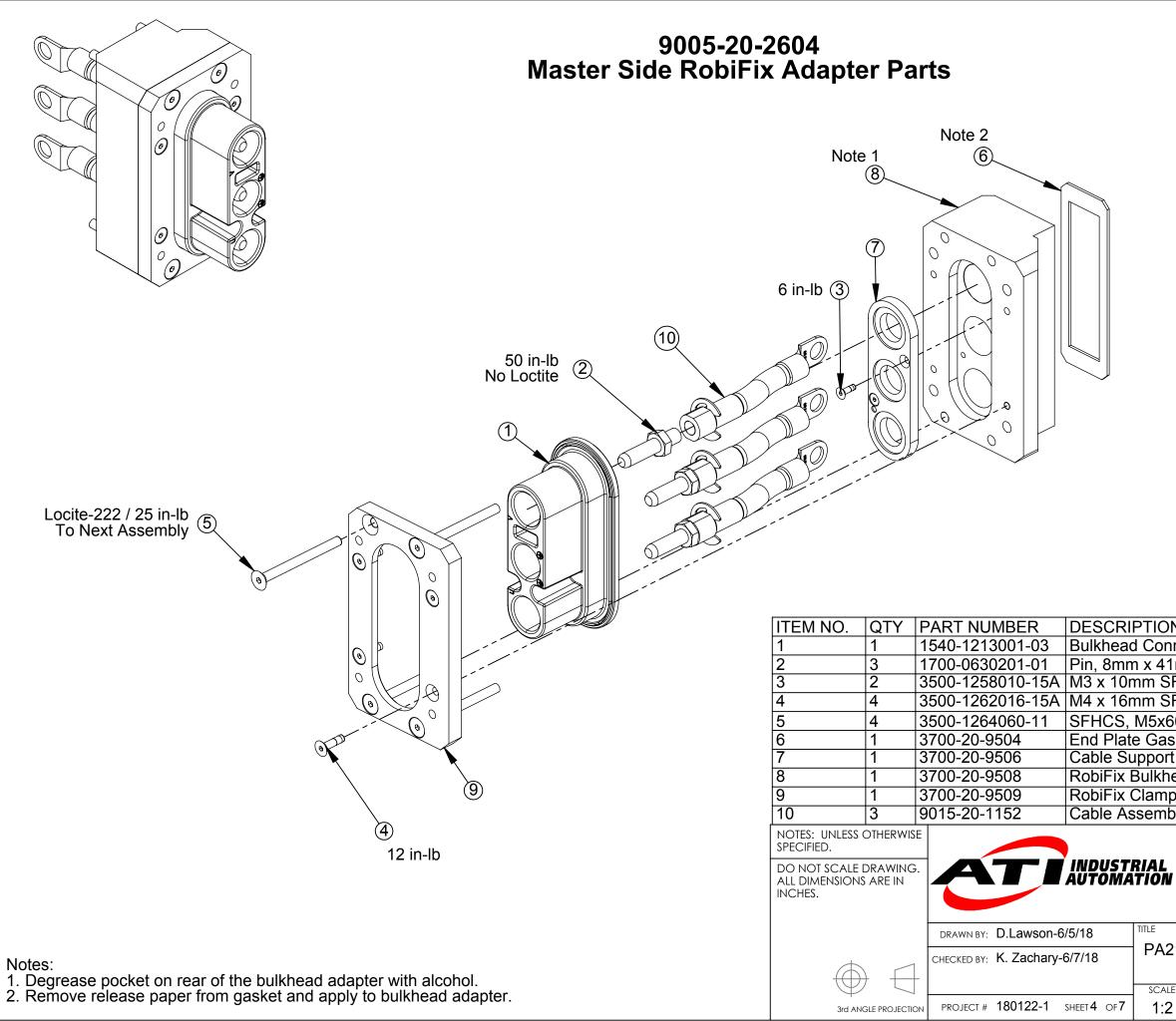
Tip Tool Rebuild Kit = 9005-20-2583 Contains 1 each of items: 5, 9 & 11

ITEM NO	. QTY	PART NUMBER	C
1	3	1705-0610220-03	F
2	3	1705-5510202-03	F
3	1	3410-0001439-01	C
4	3	3500-0868012-12	N
5	7	3500-1058012-15A	N
6	2	3500-1066016-15A	N
7	3	3510-5267001-12	V
8	2	3540-0105016-11	5
9	3	3610-7301101-21	V
10	3	3690-6500004-11	L
11	3	3700-20-8524	C
12	1	3700-20-9511	C
13	3	3700-20-9512	2
14	1	3700-20-10484	F
15	1	9005-20-2495	E
16	1	9005-20-2498	8
17	1	9005-20-2603	C
OTHERWISE	·		
	1      2      3      4      5      6      7      8      9      10      11      12      13      14      15      16	1    3      2    3      3    1      4    3      5    7      6    2      7    3      8    2      9    3      10    3      11    3      12    1      13    3      14    1      15    1      16    1      17    1	1    3    1705-0610220-03      2    3    1705-5510202-03      3    1    3410-0001439-01      4    3    3500-0868012-12      5    7    3500-1058012-15A      6    2    3500-1066016-15A      7    3    3510-5267001-12      8    2    3540-0105016-11      9    3    3610-7301101-21      10    3    3690-6500004-11      11    3    3700-20-9511      13    3    3700-20-9512      14    1    3700-20-9512      14    1    9005-20-2495      16    1    9005-20-2498      17    1    9005-20-2603

### TITLE DRAWN BY: D.Lawson-6/5/18 PA2<sup>·</sup> CHECKED BY: K. Zachary-6/7/18 SCAL PROJECT # 180122-1 SHEET 3 OF 7 1:2

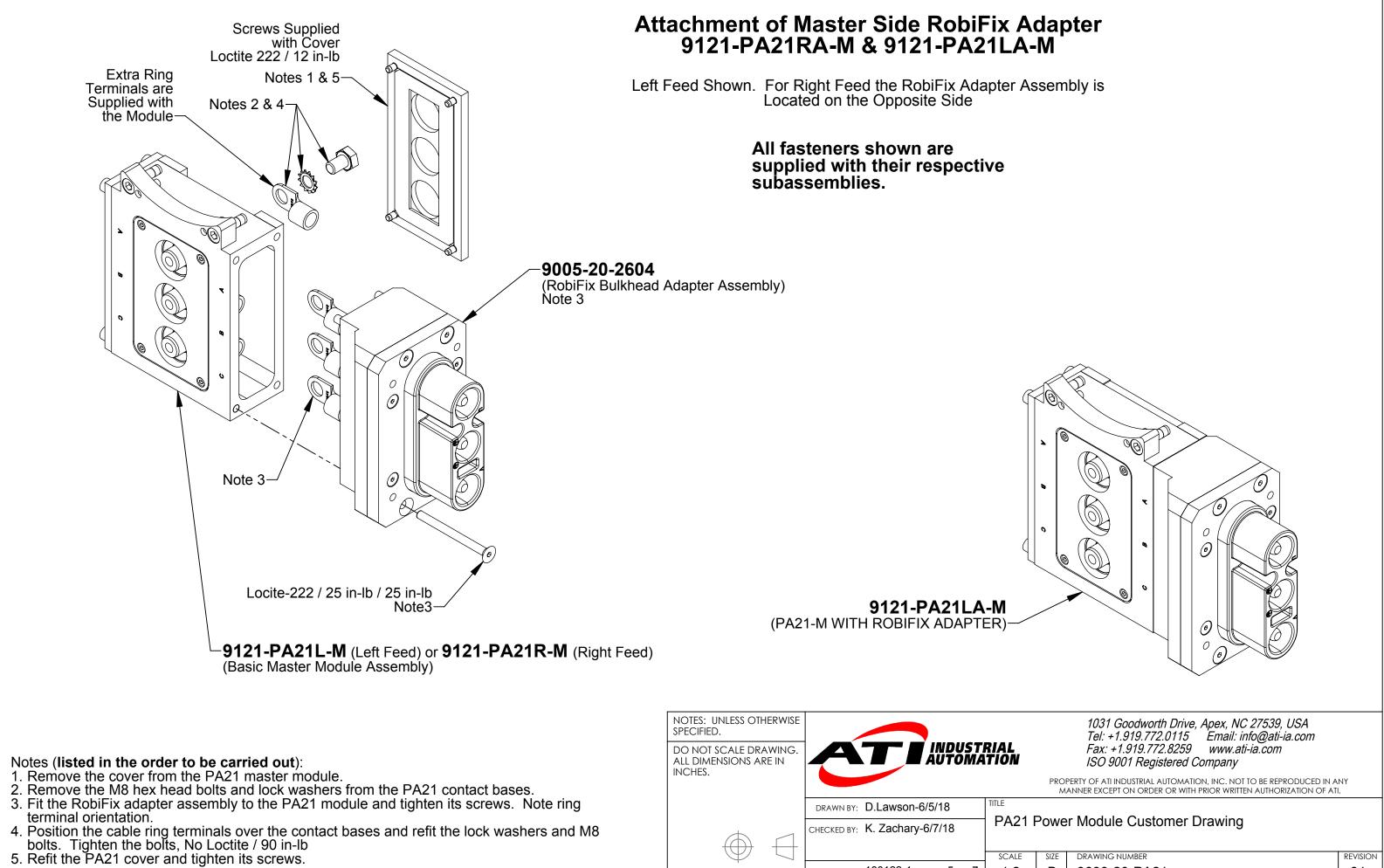
UMBER	DESCRIPTION	
10220-03	Ring Terminal, Non Insulated, #4 AWG, 5/16 Stud	
10202-03	Ring Term.,#2x8mm, AMP 322870	
01439-01	O-Ring, 85mm x 2mm, Nitrile, 70A	
68012-12	M8 x 12 HHCS, Zinc, 8.8	
58012-15	A M3-0.5 x 12mm SHCS, Blue, Pre-Applied	
66016-15	A M6-1 x 16mm SHCS, Blue, Pre-Applied	
67001-12	Washer, Lock, Ext. Tooth, M8, Steel, Zn Plt, DIN 6797A	
05016-11	5mm x 16mm Dowel Alloy Steel	
01101-21	Wave Spring, .91"OD x .44 Lg-Smalley 14892-08	
00004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.	
-8524	Contact Tip, 200A, Tool, Silver Plate	
-9511	Contact Carrier Plate, PA20-T	
-9512	200A Contact Base, Bolt Type, PAXX Tool	
-10484	Housing, Box, PA20	
-2495	End Cover Assembly, PA20, 44.8mm	
-2498	8.3" x 4mm Dia. Viton Tubular Seal, PA20-T	
-2603	Cover Plate Assembly, PA21	
1031 Goodworth Drive, Apex, NC 27539, USA      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      PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY      MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.		
6/5/18	TITLE	
6/7/18	PA21 Power Module Customer Drawing	

	В	9630-20-PA21	01
E	SIZE	DRAWING NUMBER	REVISION



<image/>
N nostor DobiEix TAE1 20 4122
nector, RobiFix-TAE1 30.4133 mm, RobiFix S8/M8-41 AG 30.0401
FHCS Blue Dyed Magni-565 w/ND Microspheres Epoxy
FHCS, Blue Dyed Magni-565 w/ND Microsperes Epoxy
0, Black Oxide, 8.8, ISO 10642
sket, PA20, 34.5mm
Plate, PA20
ead Adapter, PA20-M
o Plate, PA20-M oly, PA20S1-M
-
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.
1 Power Module Customer Drawing

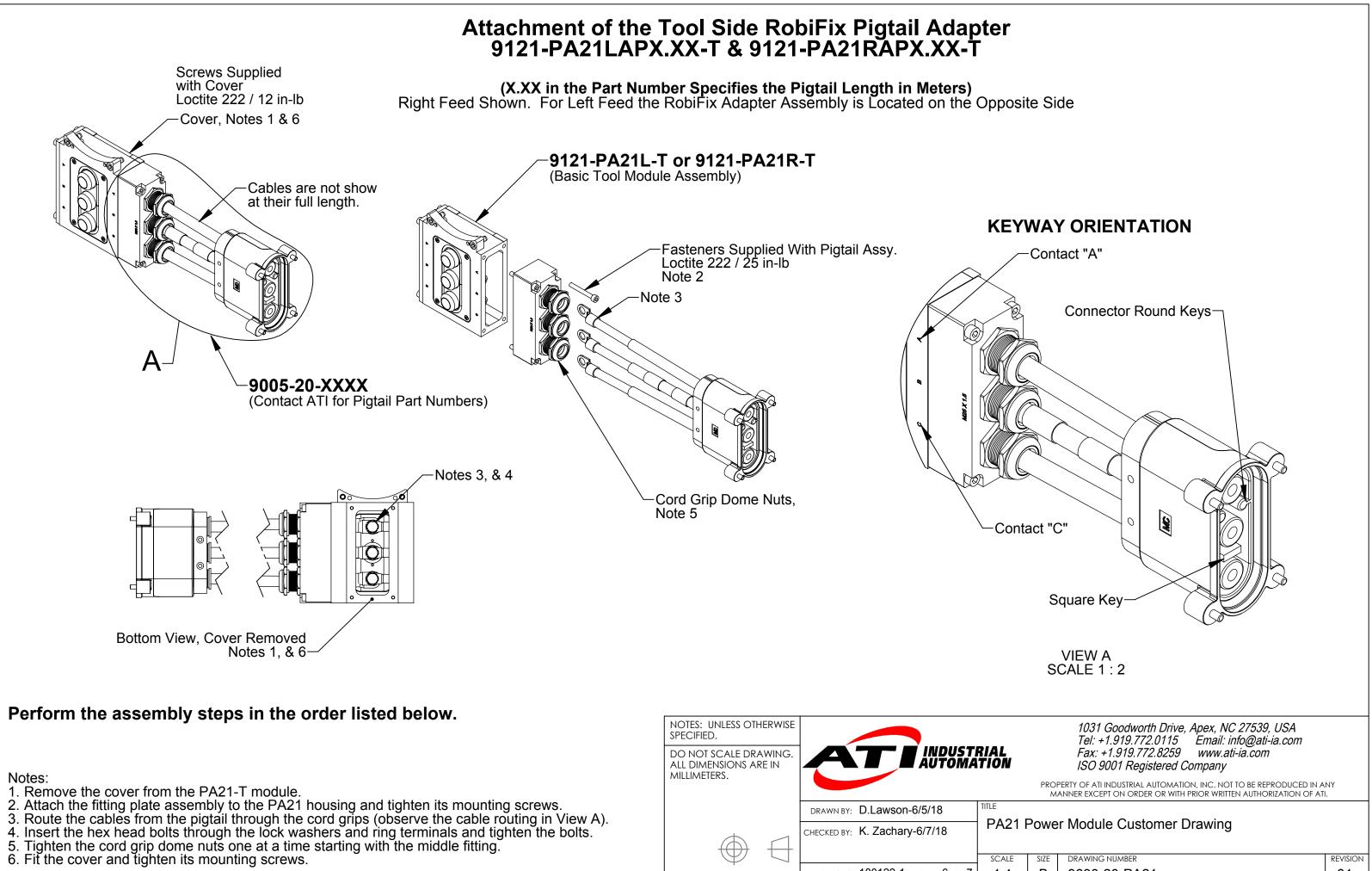
.E	SIZE	DRAWING NUMBER	REVISION
2	В	9630-20-PA21	01

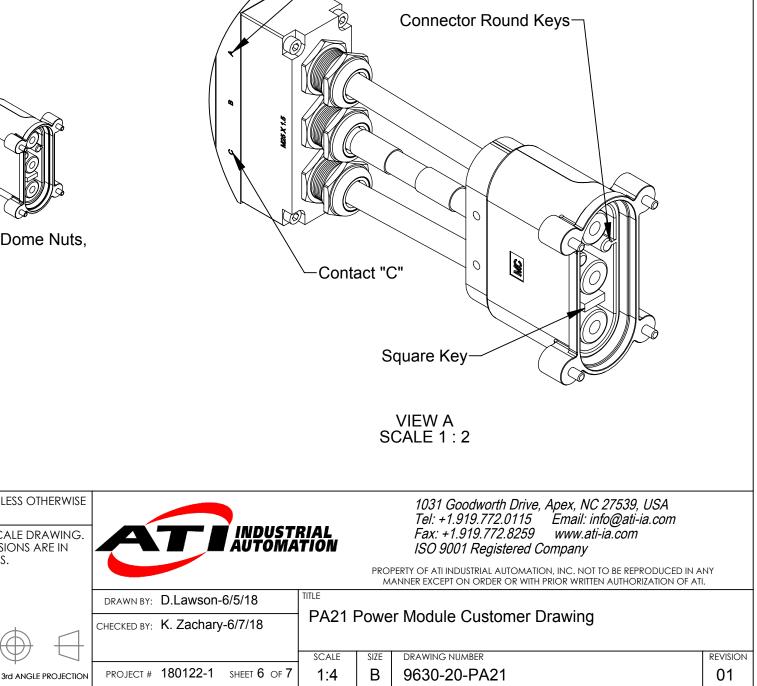


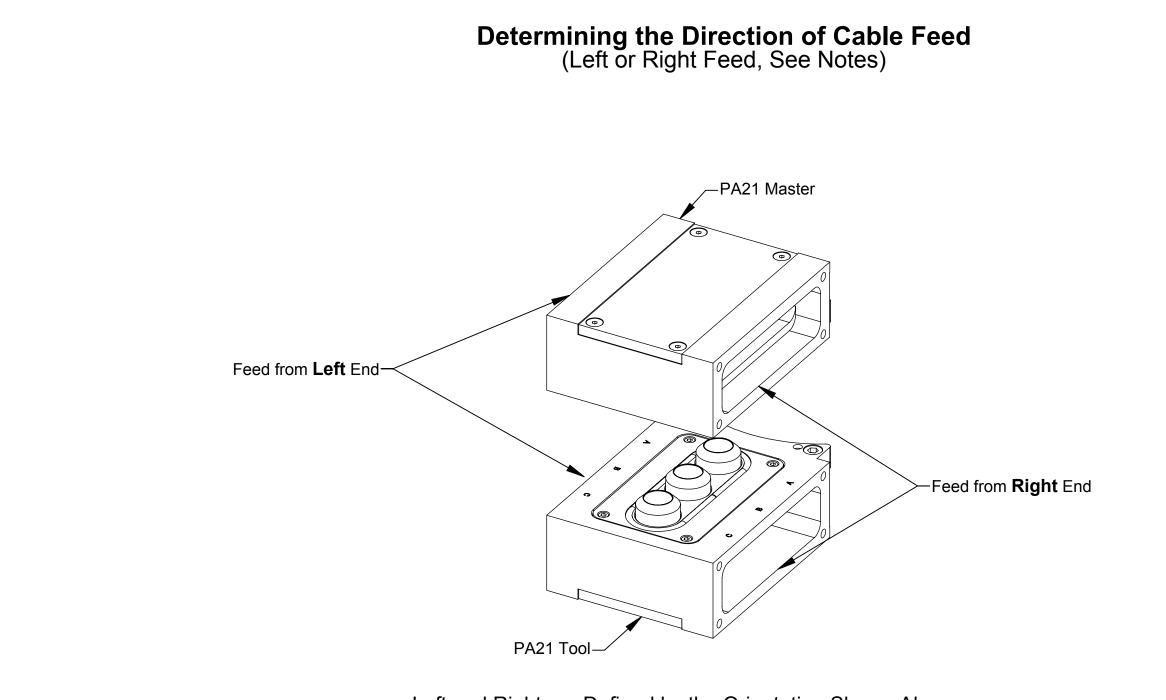
PROJECT # 180122-1 SHEET 5 OF 7

3rd ANGLE PROJECTION

SCALE	SIZE	DRAWING NUMBER	REVISION
1:2	В	9630-20-PA21	01



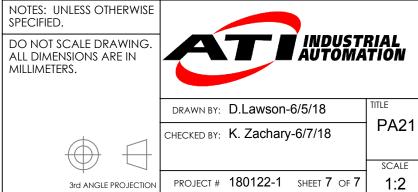




Left and Right are Defined by the Orientation Shown Above with the Master Module on Top and the Tool Module Below.

### Notes:

- 1. The PA21 can be configured for cable connections on either the left or right end of the module.
- 2. "L" or "R" in the part numer designates the direction of cable feed as defined in the image above.
- If the incorrect feed direction is purchased, the modules can be quickly and easily converted in the field by switching the end cover and cord grip plates.
  When the RobiFix adaper is attached to the PA21 Master module, the tool side adapter
- 4. When the RobiFix adaper is attached to the PA21 Master module, the tool side adapter MUST be on the opposite end of the tool module (i.e. for Master assembly 9121-PA21LA-M (left feed), configure the Tool as 9121-PA21RAX.XX-T (right feed)).



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
OPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY

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

## PA21 Power Module Customer Drawing

.E	SIZE	DRAWING NUMBER	REVISION
2	В	9630-20-PA21	01