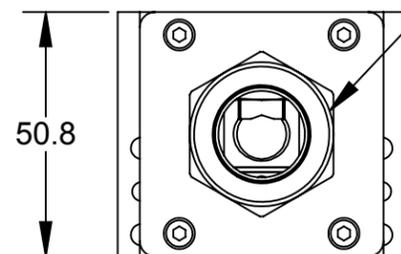


"DANGER!" - Electrical Shock Hazard

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.

Rev.	Description	Initiator	Date
06	ECO 15355; Corrected description of 3500-105012-15A SHCS in 9005-20-2255 BOM (see sheet 2)	SZJ	3/2/2017

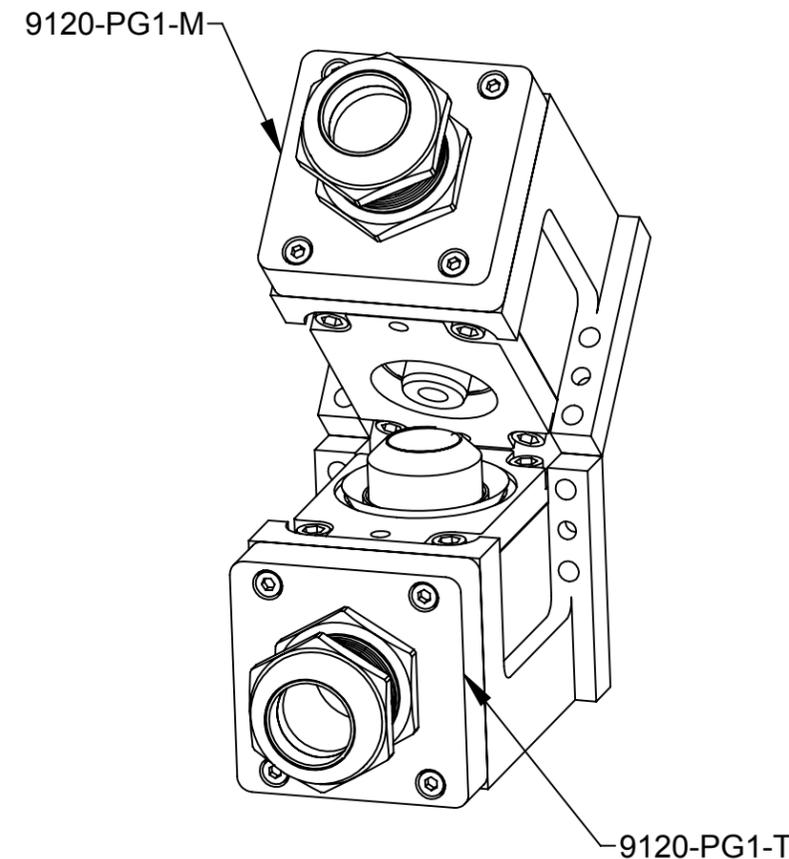
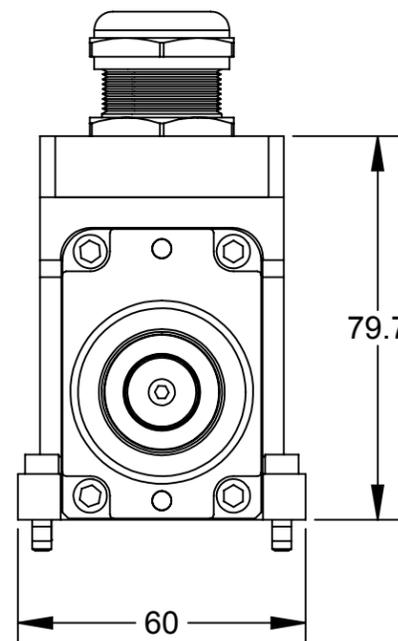
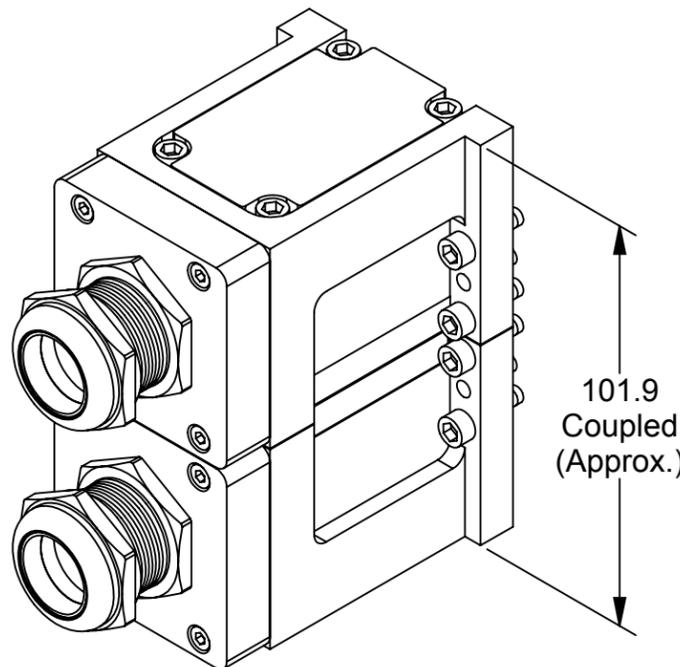
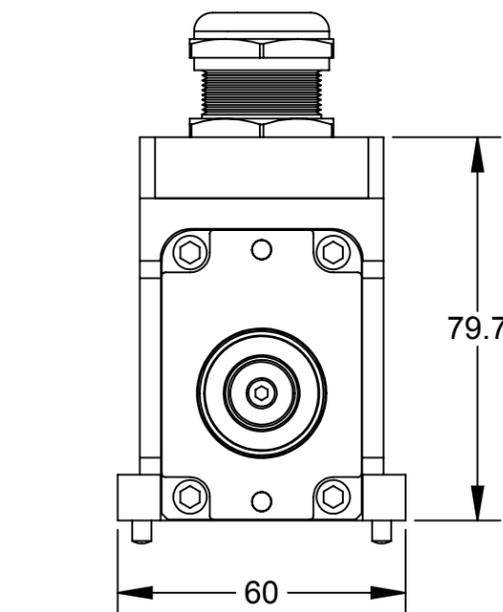
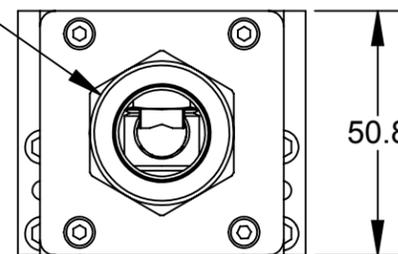
**9120-PG1-M
Master Module**



1/2" NPT Strain Relief & Cable
(Customer Supplied)

1/2" NPT Strain Relief & Cable
(Customer Supplied)

**9120-PG1-T
Tool Module**



Caution: The use of stiff heavy stranded cables can cause improper operation of the module by preventing compliant motion of its contacts. ATI requires the customer supplied cables to be of the high-flex type with fine stranding to allow contact motion.

Notes:

1. The PG1 High Current Electrical Module is rated to 200A / 600V.
2. The PG1 requires a highly-flexible cable for proper operation.

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

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DRAWN BY: M. Hallmark, 3/20/13

CHECKED BY: D. Lawson, 3/20/2013

A. Strotzer, 3/21/2013

PROJECT # 130308-2 SHEET 1 OF 2

TITLE
PG1 Power Module Customer Drawing

SCALE
1:1.5

SIZE
B

DRAWING NUMBER
9630-20-PG1

REVISION
06

Rev.	Description	Initiator	Date
-	See Sheet1	-	-

Field Service Kit: **9005-20-2255** contains one each of items:

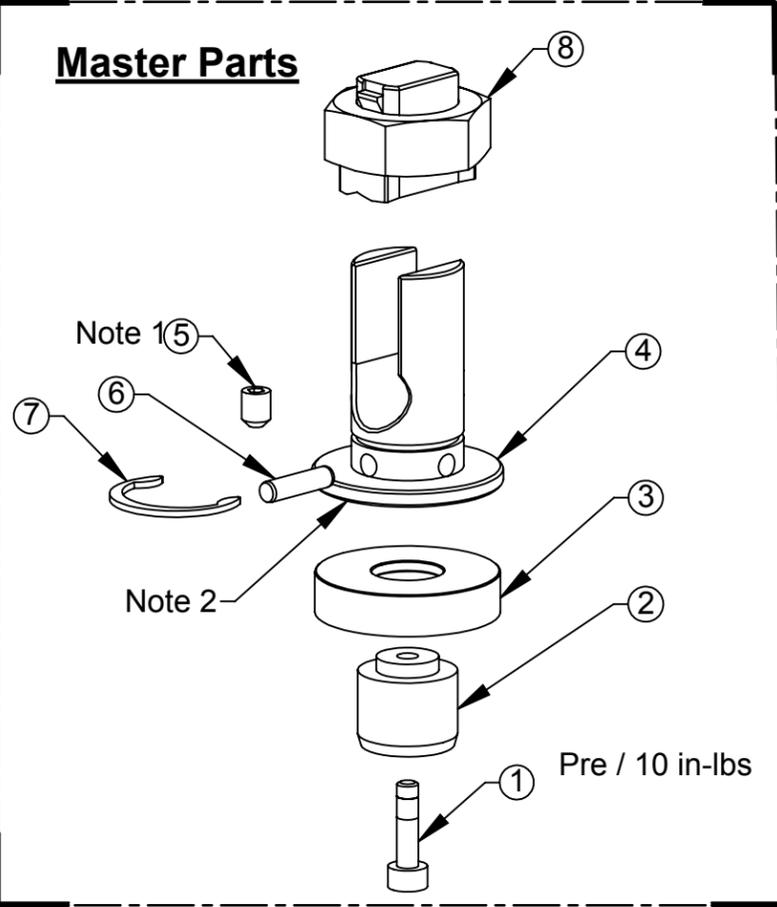
ITEM NO.	PART NUMBER	DESCRIPTION
1	3500-1058012-15A	M3-0.5 x 12mm SHCS, Blue, Pre-Applied
2	3700-20-4153	INSULATOR POST, MASTER
3	3700-20-1544	High Power Module Contact Tip No-Touch Master
4	3700-20-4152	CONTACT BASE, MASTER
5	3500-1962005-11	Set Screw M4 x 5 Cup Point
6	3540-0103012-21	3mm x 12mm Dowel, SS (DIN 2338)
7	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
8	3700-20-4162	SPLIT-BOLT CABLE CLAMP

Field Service Kit: **9005-20-2253** contains one each of items:

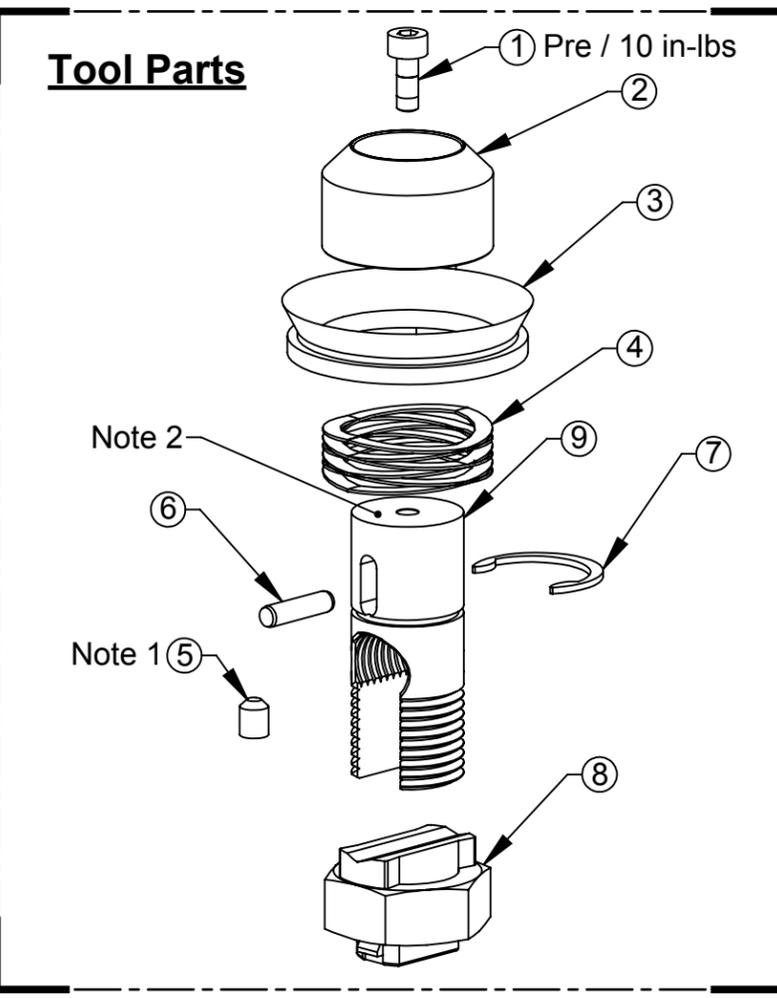
ITEM NO.	PART NUMBER	DESCRIPTION
1	3500-1058008-15A	M3-0.5 x 8mm SHCS, Blue, Pre-Applied
2	3700-20-4158	CONTACT TIP, TOOL
3	4010-0000041-01	V-RING
4	3610-7301101-21	Wave Spring, .91"OD x .44 Lg-Smalley 14892-08
5	3500-1962005-11	Set Screw M4 x 5 Cup Point
6	3540-0103012-21	3mm x 12mm Dowel, SS (DIN 2338)
7	3690-6500004-11	Low-Clearance C-Style Ring for 5/8" Shaft Dia.
8	3700-20-4162	SPLIT-BOLT CABLE CLAMP
9	3700-20-7096	Narrow #2 Contact Base, Tool

- Notes:
1. Apply Loctite 7649 Primer & Loctite 222. Then install flush with surface to .010" below.
 2. Apply conductive silver grease to flat surfaces.

Master Parts



Tool Parts



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DRAWN BY: M. Hallmark, 3/20/13		TITLE	
CHECKED BY: D. Lawson, 3/20/2013 A. Strotzer, 3/21/2013		PG1 Power Module Customer Drawing	
PROJECT # 130308-2 SHEET 2 OF 2	SCALE 1:1.5	SIZE B	DRAWING NUMBER 9630-20-PG1
			REVISION 06

