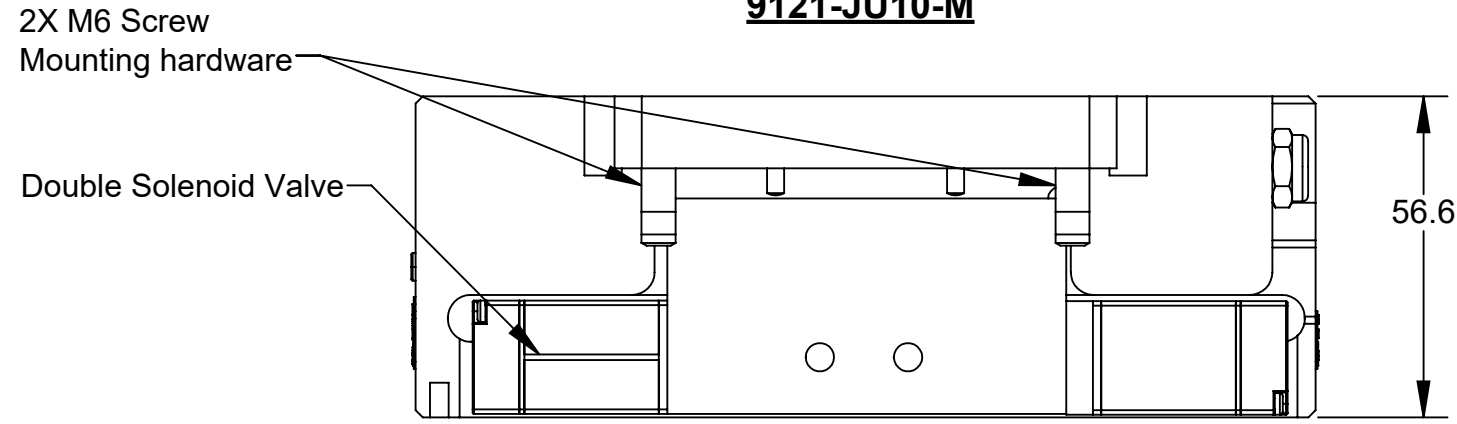
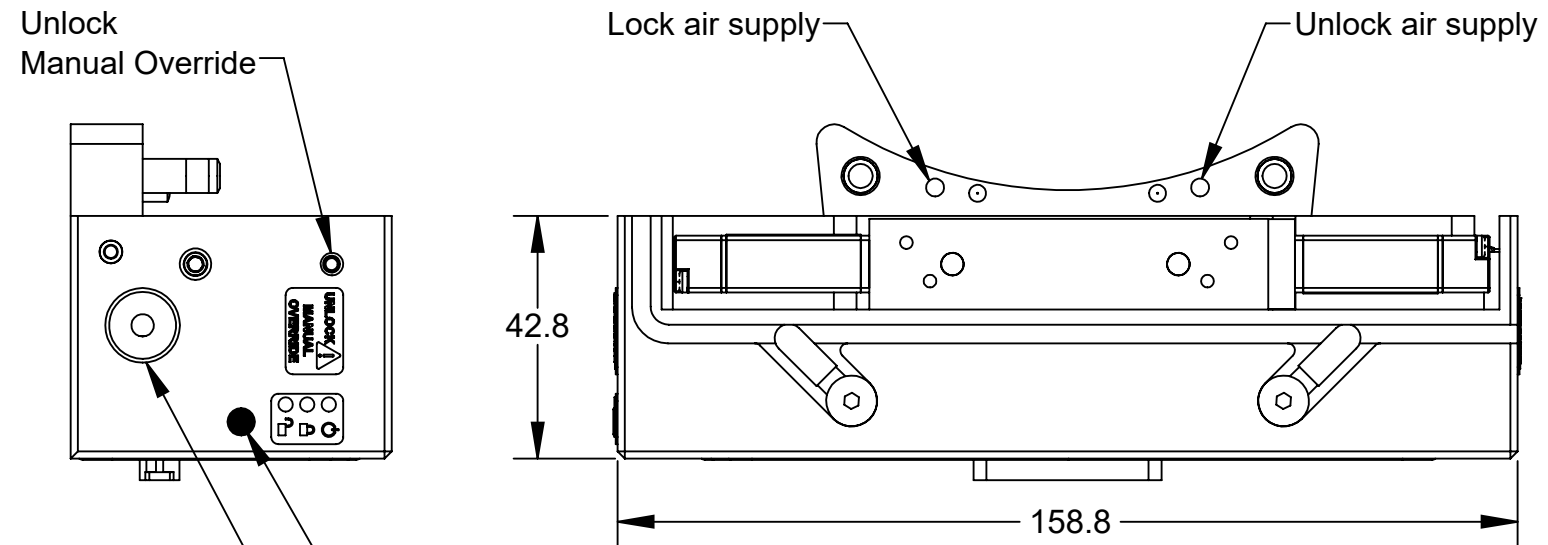
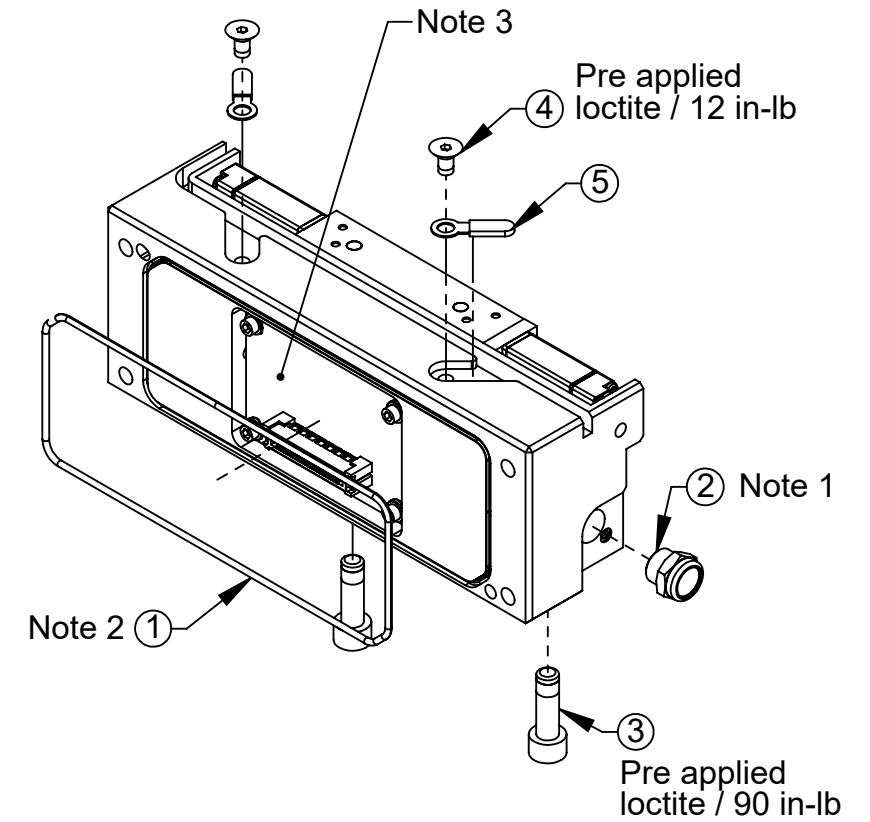


REV.	DESCRIPTION	INITIATOR	DATE
01P	Initial Release	NFB	7/5/2023
02P	Updated notes and added checker	NFB	7/17/2023
03	Project Release	NFB	2/12/2024

9121-JU10-M

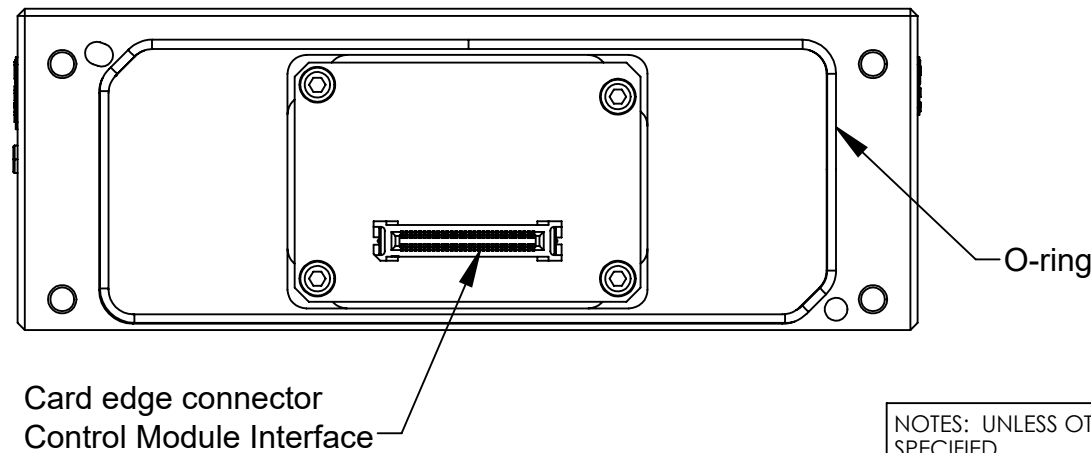


Serviceable Parts



Input air supply
1/4 G (BSPP) thread

LOCK/UNLOCK
Status LED

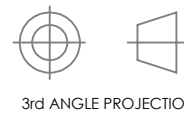


ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	3410-0001108-01	O-Ring, AS568A-044
2	1	3490-1010009-01	Sintered Muffler, G1/8
3	2	3500-1066020-15A	M6-1 x 20mm SHCS, Blue, Pre-Applied
4	2	3500-1262008-15A	M4 x 8mm SFHCS, CPC, Pre-Applied
5	2	3690-0000090-50	Cable Retainer, Flexible Arm, M4 Screw Mount, Vinyl Coated Steel

- Notes:
1. Apply Loctite 569, tighten to 40 in-lb.
 2. Apply Magnalube to o-rings and seal before installation.
 3. Do not touch the PCB or Card edge connector while installing or removing the valve module.
 4. Valve module, Control Module and Tool changer interface shown in sheet 2.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

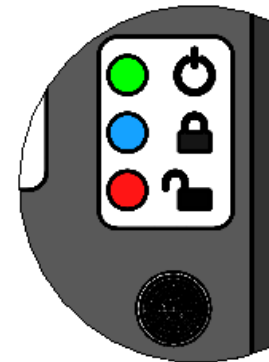
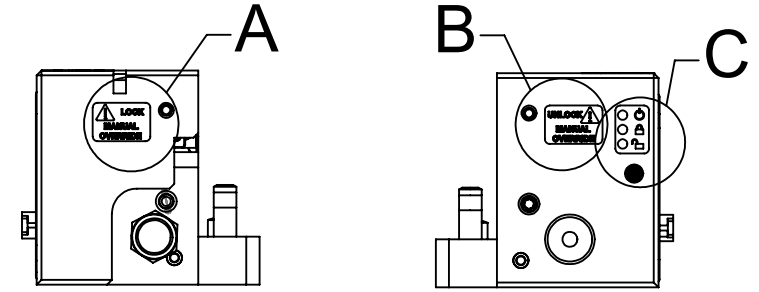
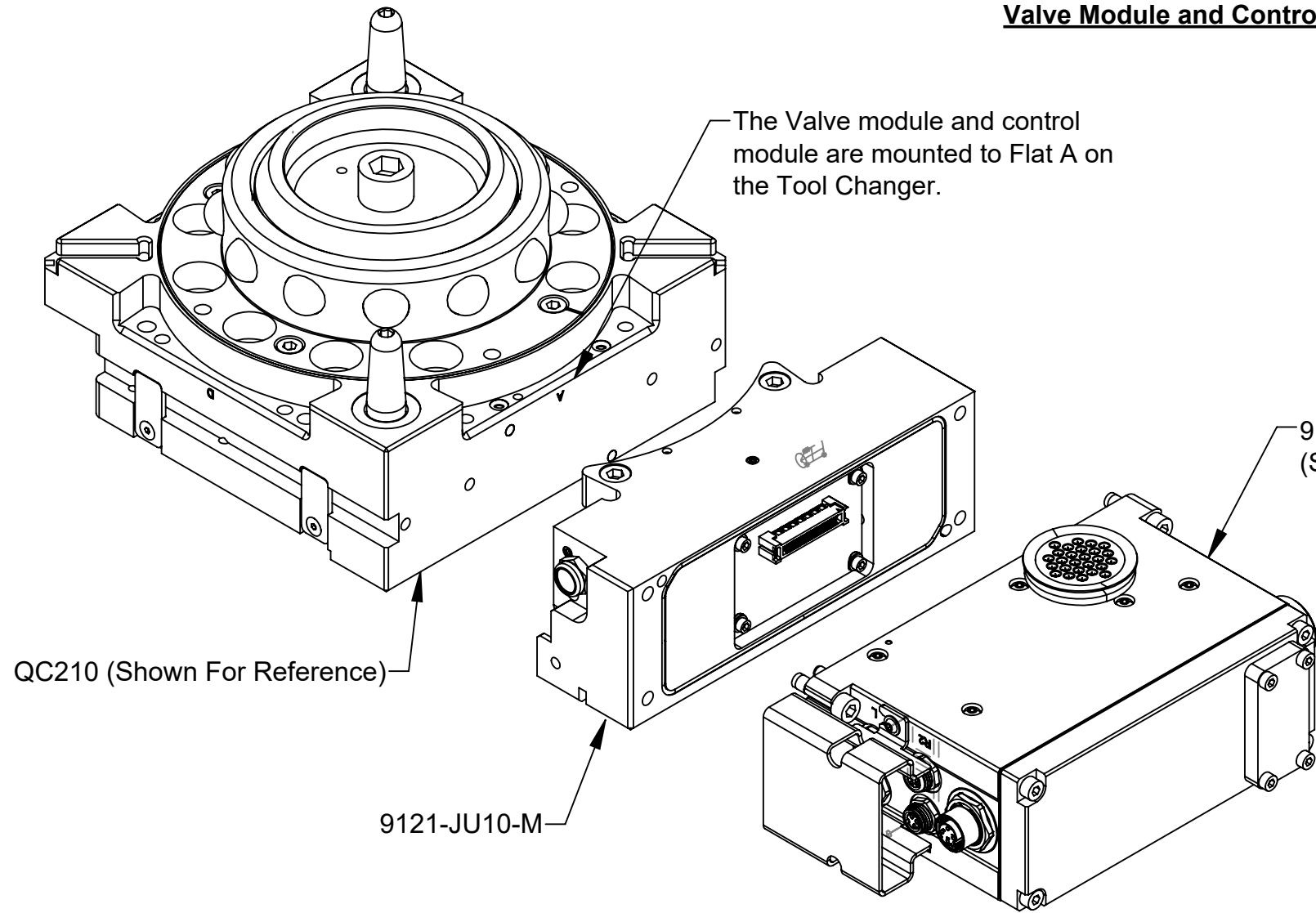


1031 Goodworth Drive, Apex, NC 27539, USA
 Tel: +1.919.772.0115 www.ati-ia.com
 Fax: +1.919.772.8259 ISO 9001 Registered Company

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: N.Brace, 6/30/23		TITLE	
CHECKED BY: V.Vavilikolane, 7/12/23		Customer Drawing, Valve Adapter, Double Solenoid, 1/4 G, QC210 Ledge to Series 8 Control Module	
PROJECT # 220210-1	SHEET 1 OF 3	SCALE 1:2	SIZE B
DRAWING NUMBER 9630-20-JU10		REVISION 03	

Valve Module and Control Module on QC 210



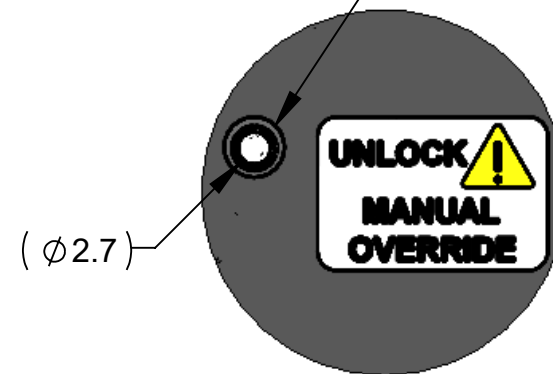
DETAIL C
SCALE 2 : 1

LED Color	Valve Status
Green	Power Available
Blue	Activated Lock Solenoid
Red	Activated Unlock Solenoid

Notes:

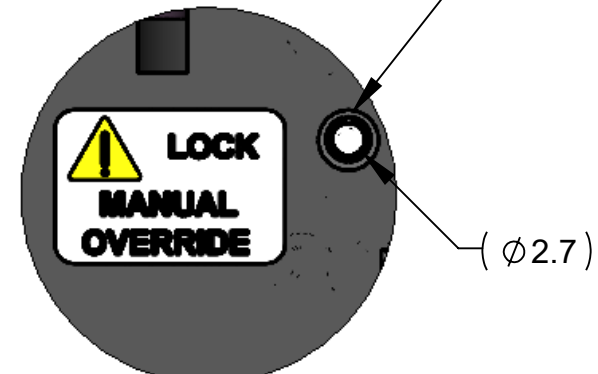
1. The valve module utilizes a double solenoid 5/2 valve. The valve power is provided through the control module card edge interface.
2. The valve must be supplied with clean, dry, non-lubricated air at 60 to 120 psi (4.1-8.2 Bar) and filtered to 40 microns or better. The valve will NOT operate correctly if insufficient air pressure is supplied.
3. It is critical that the exhaust muffler is not restricted. As part of a preventative maintenance program, periodically inspect and/or replace the exhaust muffler.
4. **WARNING: Tool Release Will Occur with actuation of the Unlatch Valve Manual Override.** The tool changer and associated tool should be in a stand or storage location prior to actuation of the manual override.
5. **NOTICE: Actuation of valve override buttons requires very little travel (~1mm) and only a small amount of force. Applying excess force can damage the solenoid or cause override button to stick in one position. Use non-sharp object, similar to ball nose 1.5mm Allen key, to gently depress the override button; an air release should be heard when the solenoid is activated.**

Unlock - Manual Override Access
Note 4, Note 5



DETAIL B
SCALE 2 : 1

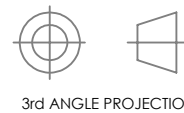
Lock - Manual Override Access
Note 4, Note 5



DETAIL A
SCALE 2 : 1

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

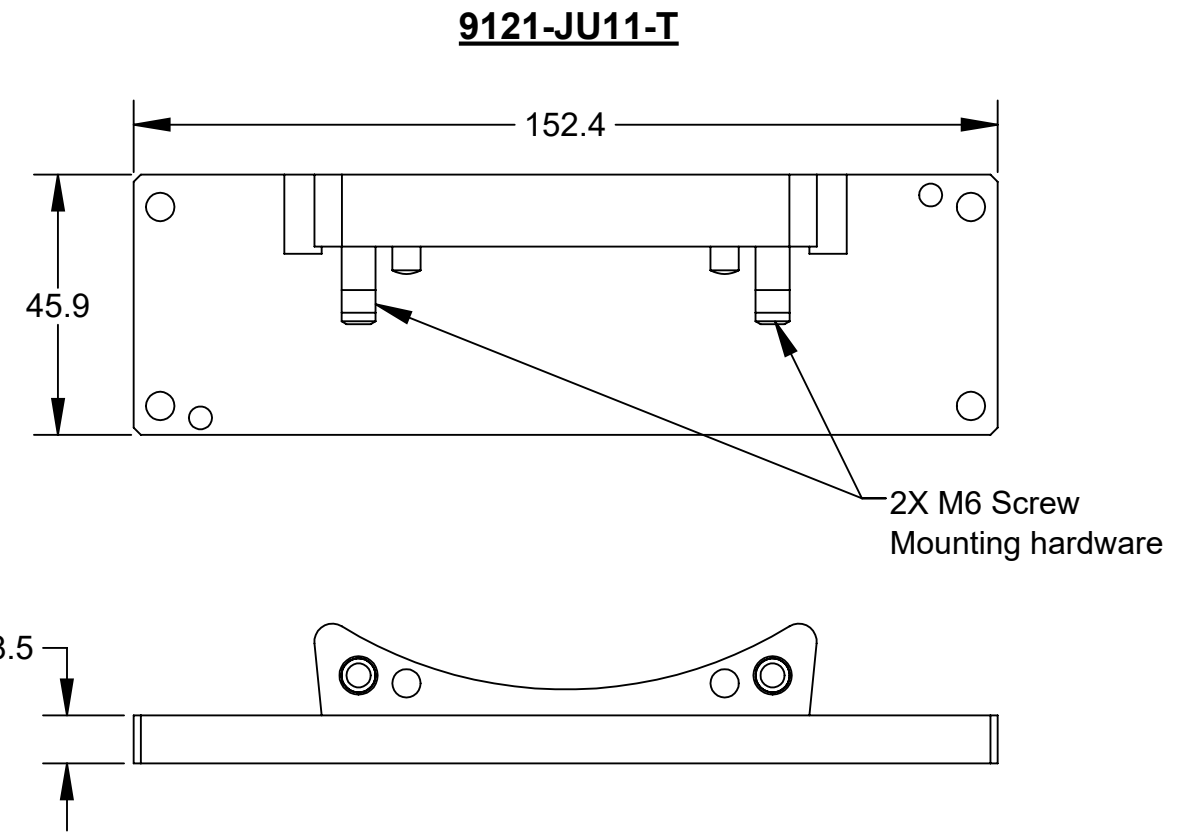
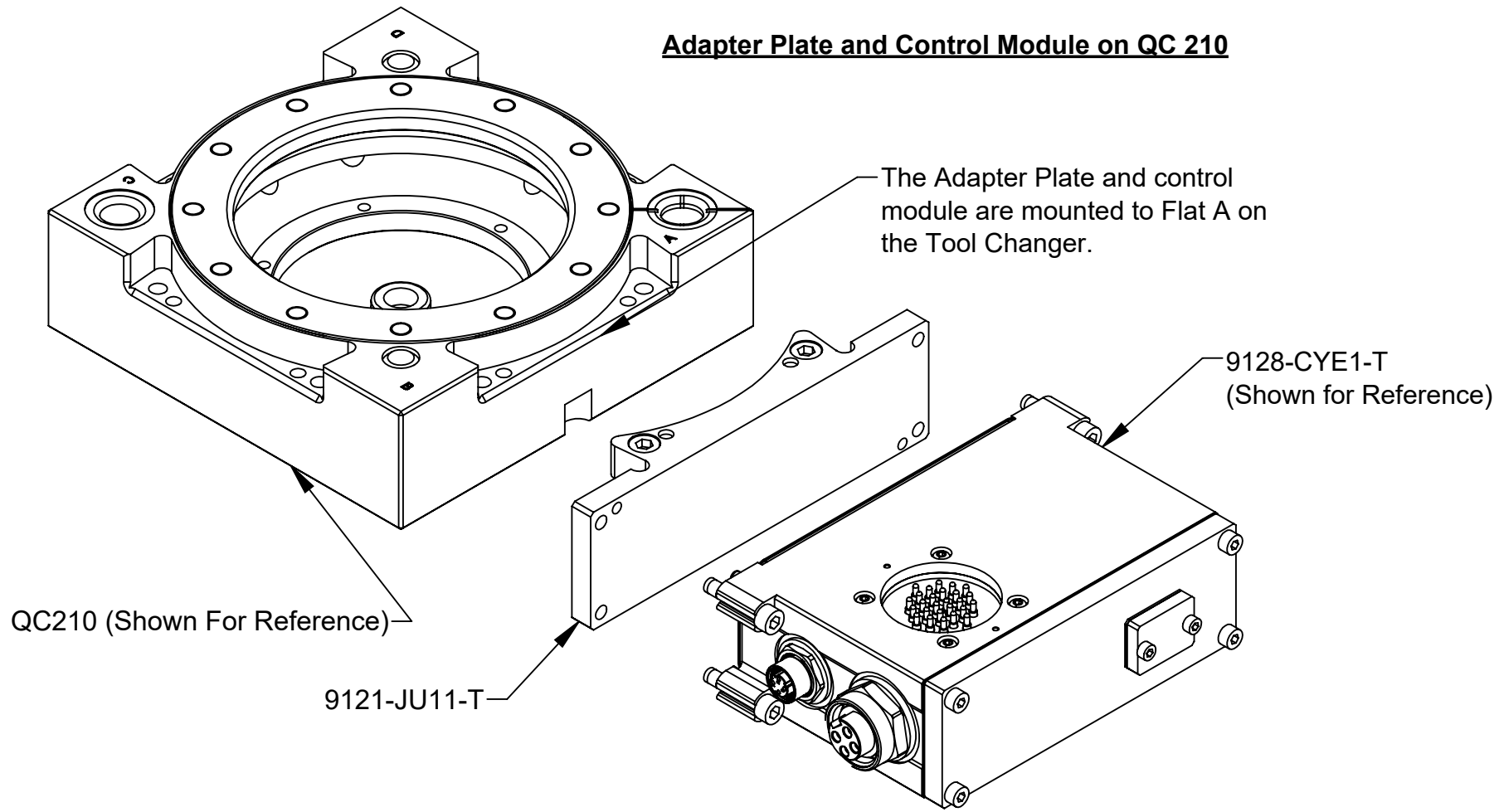


1031 Goodworth Drive, Apex, NC 27539, USA
Tel: +1.919.772.0115 www.ati-ia.com
Fax: +1.919.772.8259 ISO 9001 Registered Company

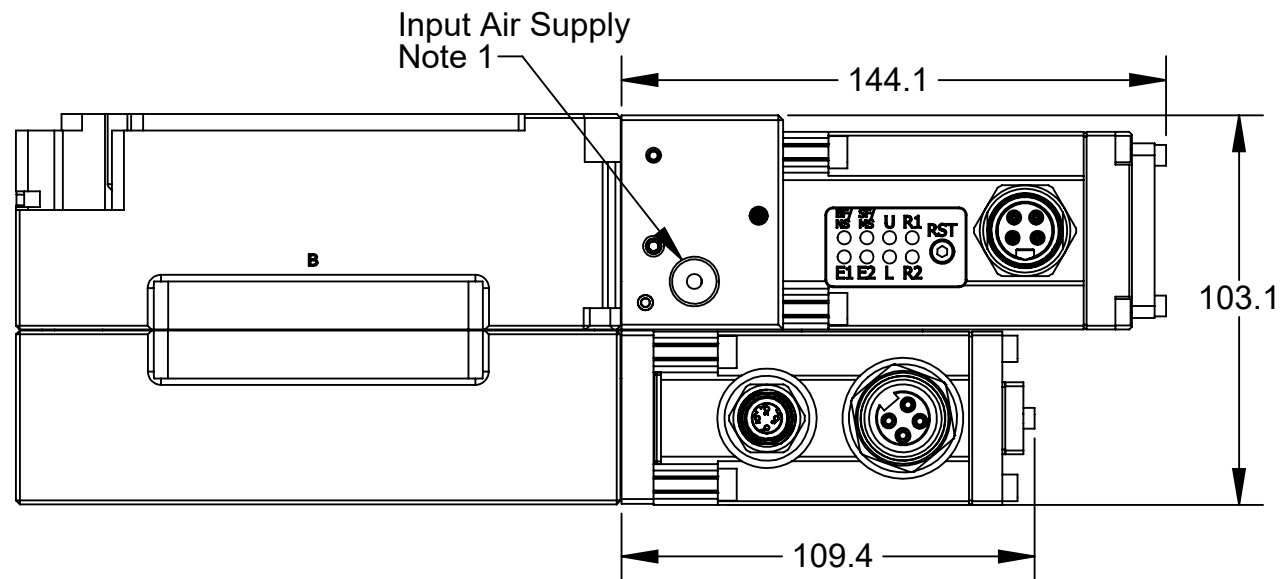
PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPRODUCED IN ANY MANNER EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHORIZATION OF ATI.

DRAWN BY: N.Brace, 6/30/23		TITLE		
CHECKED BY: V.Vavilikolane. 7/12/23		Customer Drawing, Valve Adapter, Double Solenoid, 1/4 G, QC210 Ledge to Series 8 Control Module		
PROJECT # 220210-1	SHEET 2 OF 3	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-JU10
				REVISION 03

Adapter Plate and Control Module on QC 210



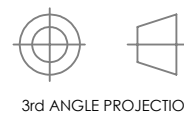
Valve Module and Control Module on QC 210



Notes:
1. Valve Module Input air supply port threaded for 1/4 G (BSPP) Fitting.

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 www.ati-ia.com
Fax: +1.919.772.8259 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: N.Brace, 6/30/23		TITLE		
CHECKED BY: V.Vavilikolane, 7/12/23		Customer Drawing, Valve Adapter, Double Solenoid, 1/4 G, QC210 Ledge to Series 8 Control Module		
PROJECT # 220210-1	SHEET 3 OF 3	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-JU10
				REVISION 03