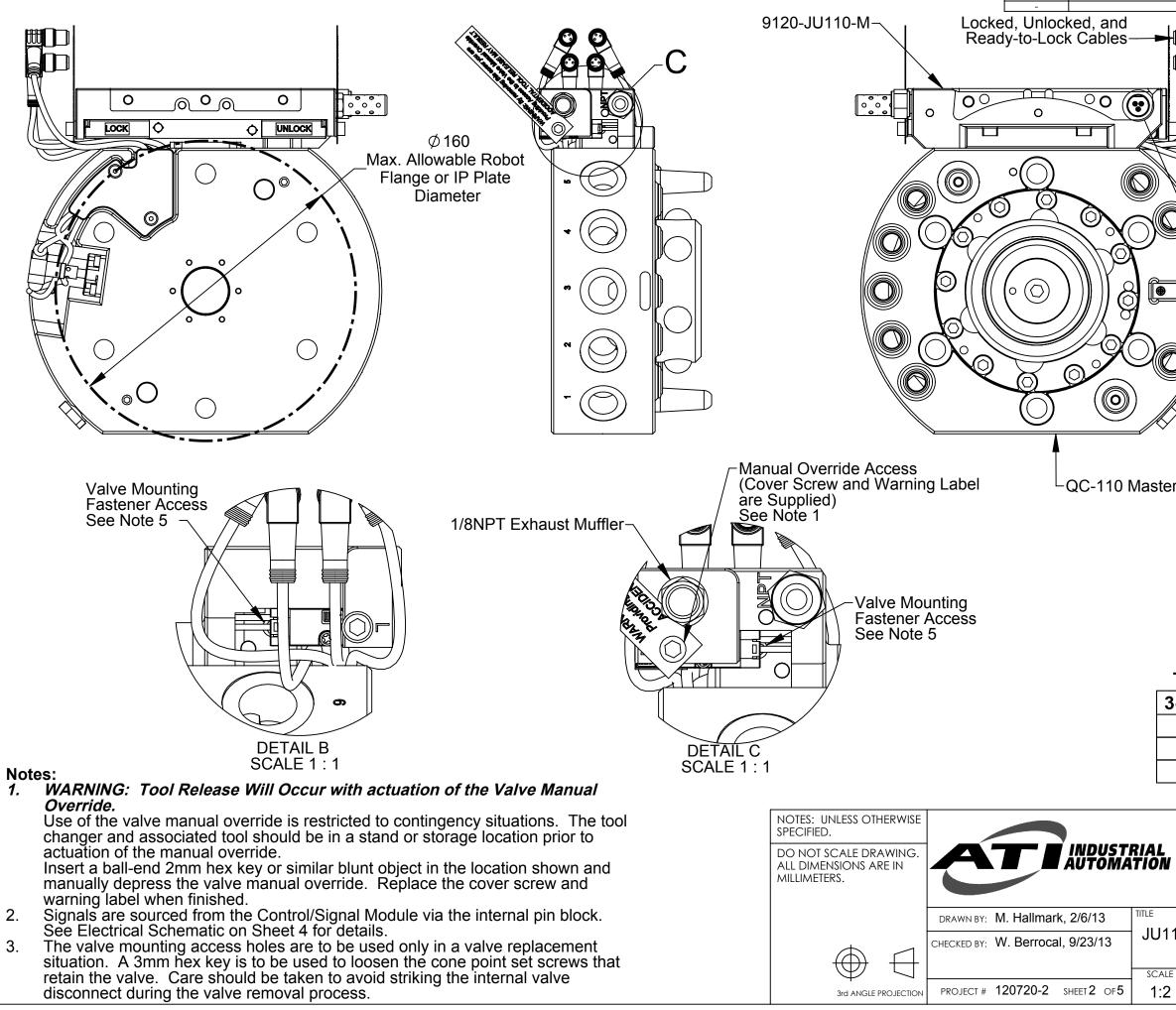


| v. Descrip   |  | Initiator                         | Date                  |
|--|--|-----------------------------------|-----------------------|
| P Initial de   | esign.   | MH<br>RMH                         | 2/8/2013<br>9/23/2013 |
| 2 Eco 11323; Release   |  |                                   | 9/23/2013             |
| J110-T Tool Spacer an<br>C-110 Tool Changers.<br>alve signal pin block (9<br>s of Valve Adapters.<br>n QC-110 Tool Change<br>potential for interferen<br>Locked, Unlocked, and<br>dule. Reference assem<br>own on Sheet 2. | 121-DL4-M, 9121-<br>ers utilizing the 912<br>ace with the robot fl<br>d RTL sensor cable<br>ably 9120-110APM   | DKD-M<br>0-JU11<br>ange.<br>es to | 0-                    |
| <i>Tel: +1.919.772</i><br><i>Fax: +1.919.772</i><br><i>ISO 9001 Regis</i><br>PROPERTY OF ATI INDUSTRIAL A  | th Drive, Apex, NC 27539<br>2.0115 Email: info@ati<br>2.8259 www.ati-ia.com<br>stered Company<br>NUTOMATION, INC. NOT TO BE REI<br>R OR WITH PRIOR WRITTEN AUTHO | <i>ia.com</i>                     |                       |
| 10 Valve Adapter and <sup>-</sup>  | Tool Spacer for QC   | -110, E                           | SPP                   |
| E SIZE DRAWING NUMBER  |  |                                   | REVISION              |

|  | 9630-20-JU110 | Valve A | dapter. | Dual |
|--|---------------|---------|---------|------|
|--|---------------|---------|---------|------|

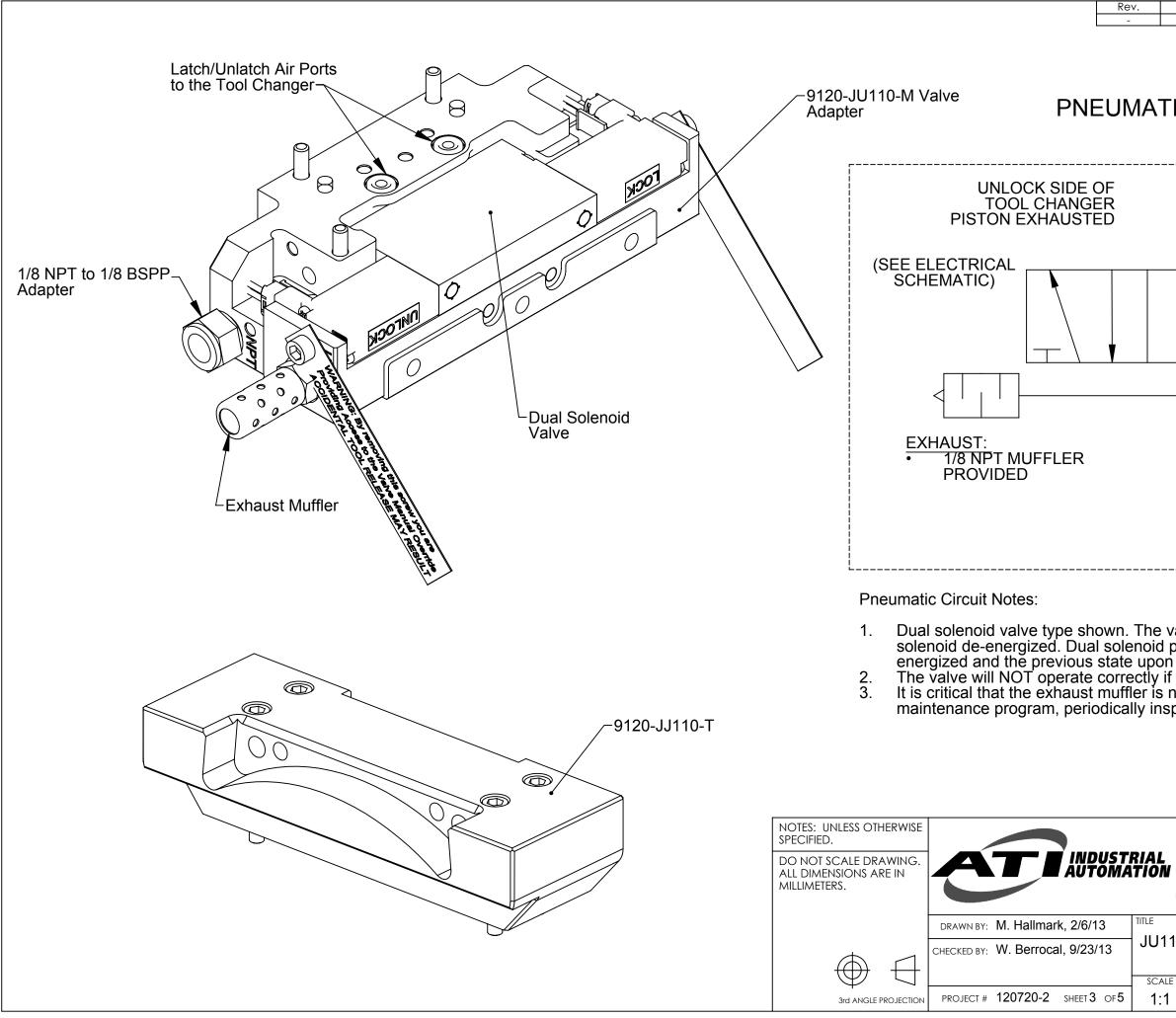
В

02

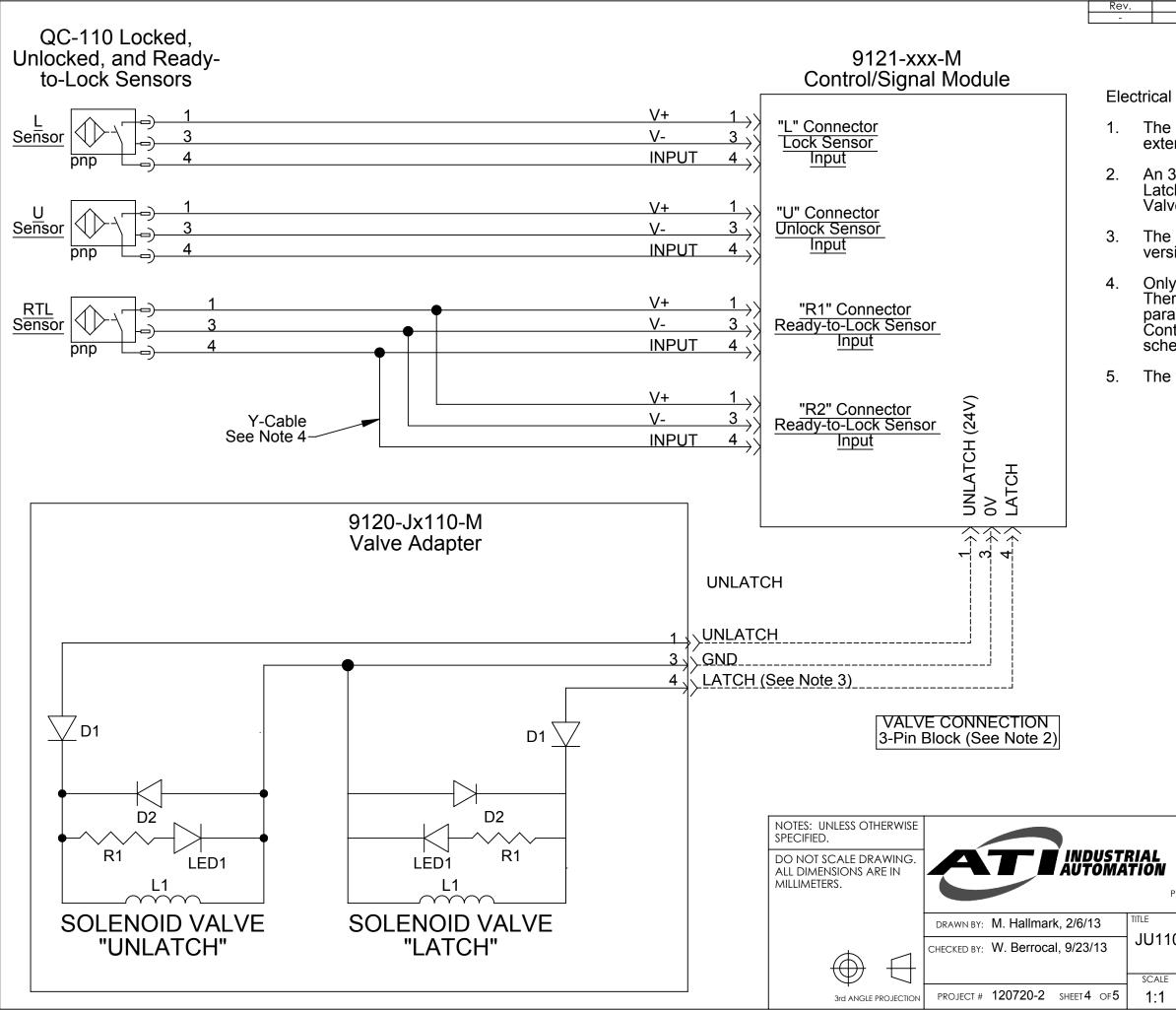


| Description<br>See Sheet1                         | Initiator                  | Date                           | e              |
|---|----------------------------|--------------------------------|----------------|
| See Sheet1  |                            | -B                             |                |
| Table 1: Valve Conne                              |                            | -                              | )              |
|   | <b>jnal</b><br>⊦24 VDC)    | Wire<br>Brown                  |                |
| •   | 'DC                        | Blue                           |                |
|   | tch                        | Black                          |                |
| <u>т</u> La                                       |                            | DIACK                          |                |
| Tel: +1.919.772.011                               | NATION, INC. NOT TO BE REP | <i>ia.com</i><br>RODUCED IN AI |                |
| 10 Valve Adapter and Tool Spacer for QC-110, BSPP |                            |                                |                |
| E SIZE DRAWING NUMBER                             | Jalve Adaptor D            |                                | revision<br>02 |
| B 9630-20-JU110                                   | valve Auapter, D           | ual                            | 02             |

Rev.



|                            |                                   | Description   | Initiator   | Date     |
|----------------------------|-----------------------------------|---|-------------|----------|
|                            |                                   | See Sheet1  | -           | -        |
| -IC                        | C CI                              | RCUIT   |             |          |
| •                          |                                   | LOCK PNEUMATIC<br>SIGNAL TO TOOL<br>CHANGER PISTON  |             |          |
|                            |                                   | SUPPLY REQUIREMENTS:  |             |          |
|                            | •                                 | 60-100 PSI<br>FILTERED TO 50 MICRONS<br>NON-LUBRICATED<br>1/8 NPT OR G CONNECTOF  | 8           |          |
| po:<br>n lo<br>f in<br>not | sition<br>ss of<br>suffic<br>rest | shown in the Latched State,<br>is determined by the solenoid<br>power.<br>cient air pressure is supplied.<br>ricted. As part of a preventative<br>d/or replace the exhaust muffle | e<br>er.    |          |
| 1                          |                                   | 1031 Goodworth Drive, Apex, NC 27<br>Tel: +1.919.772.0115 Email: info@<br>Fax: +1.919.772.8259 www.ati-ia.<br>ISO 9001 Registered Company   | Dati-ia.com |          |
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| 10                         | Valve                             | e Adapter and Tool Spacer for C   | QC-110, BSI | ър       |
| _E<br>I                    | size<br>B                         | DRAWING NUMBER<br>9630-20-JU110 Valve Adapte  | r, Dual     | REVISION |



| Description | Initiator | Date |
|-------------|-----------|------|
| See Sheet1  | -         | -    |
|             |           |      |

**Electrical Schematic Notes:** 

1. The complete tool changer package comes equipped with external cables that are connected to the sensors.

An 3-Pin internal pin block is used to transmit the Latch/Unlatch signal from the Control/Signal Module to the Valve Adapter.

The 9120-JU110-M Valve adapter is a Dual solenoid version.

Only one RTL sensor is available in the QC-110. Therefore, the one RTL sensor output is connected in parallel to the two RTL inputs of the 9121-XXX-M Control/Signal module via a Y-cable, as shown in the schematic.

The valve requires supply voltage between 19-29V.

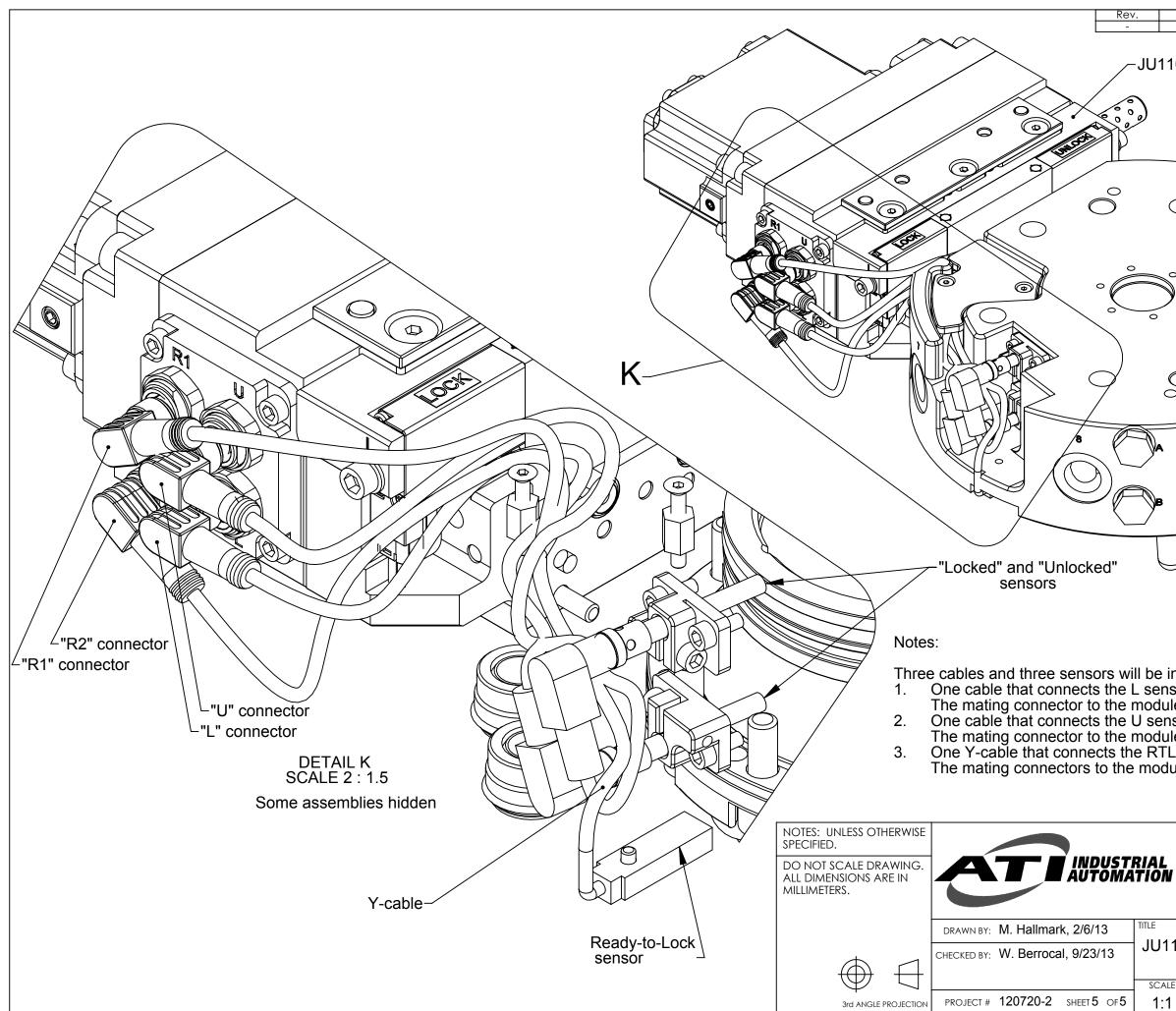


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## JU110 Valve Adapter and Tool Spacer for QC-110, BSPP

| SIZE | DRAWING NUMBER                                      |
|------|---|
| В    | DRAWING NUMBER<br>9630-20-JU110 Valve Adapter, Dual |

revision **02** 



| Description  | Initiator                                       | Date     |
|--|---|----------|
| See Sheet1   | -   | -        |
| See Sheet1   | -   | -        |
|  |   |          |
| ncluded with the QC-110:<br>sor to the module "L" connector.<br>le will be M8, right angle, 3-Pin Male, w<br>isor to the module "U" connector.<br>le will be M8, right angle, 3-Pin Male, w<br>L sensor to the module "R1" and "R2" co   | ith LED ind onnectors.                          | icators. |
| ule will be M8, right angle, 3-Pin Male, w<br>1031 Goodworth Drive, Apex, NC 27<br>Tel: +1.919.772.0115 Email: info<br>Fax: +1.919.772.8259 www.ati-ia:<br>ISO 9001 Registered Company<br>PROPERTY OF ATI INDUSTRIAL AUTOMATION, INC. NOT TO BE REPF<br>EXCEPT ON ORDER OR WITH PRIOR WRITTEN AUTHOR | with LED in<br>7539, USA<br>@ati-ia.com<br>.com |          |
|  |   |          |

| 10 Valve Adapter and | <b>Tool Spacer for</b> | QC-110, BSPP |
|----------------------|------------------------|--------------|
|----------------------|------------------------|--------------|

| \LE | SIZE | DRAWING NUMBER                    | REVISION |
|-----|------|-----------------------------------|----------|
| 1   | В    | 9630-20-JU110 Valve Adapter, Dual | 02       |