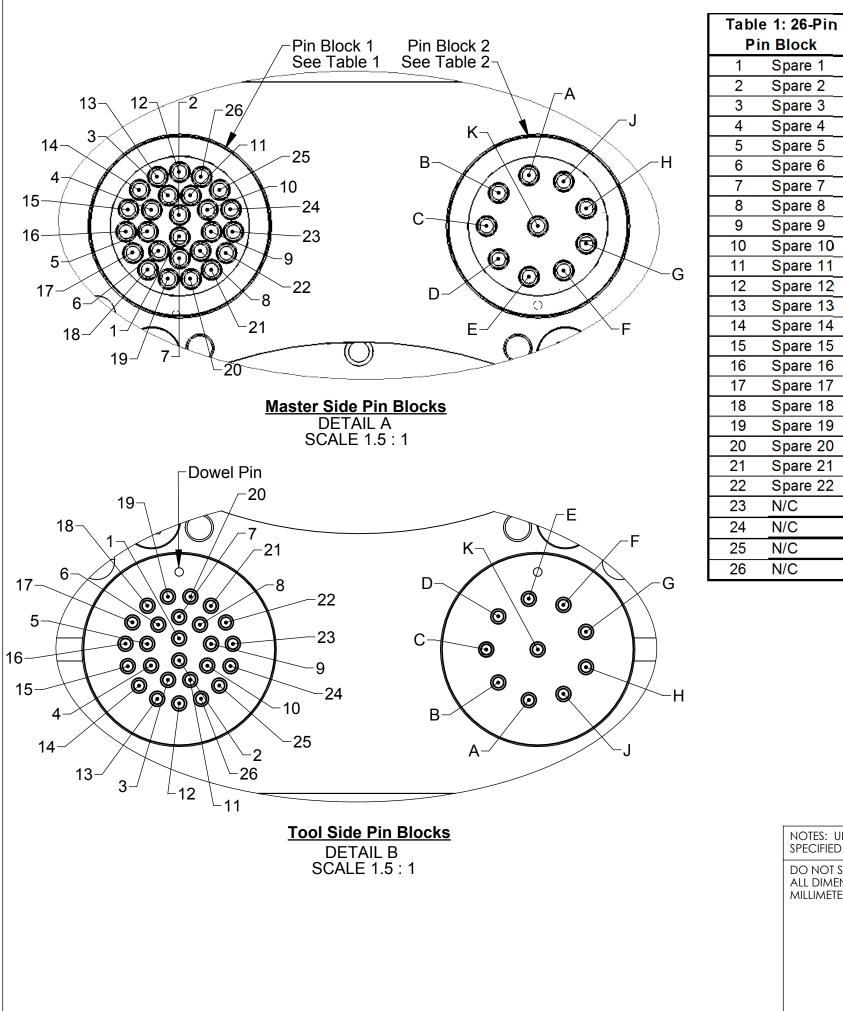
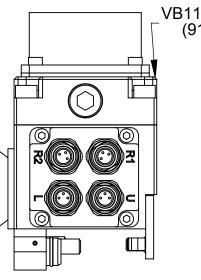


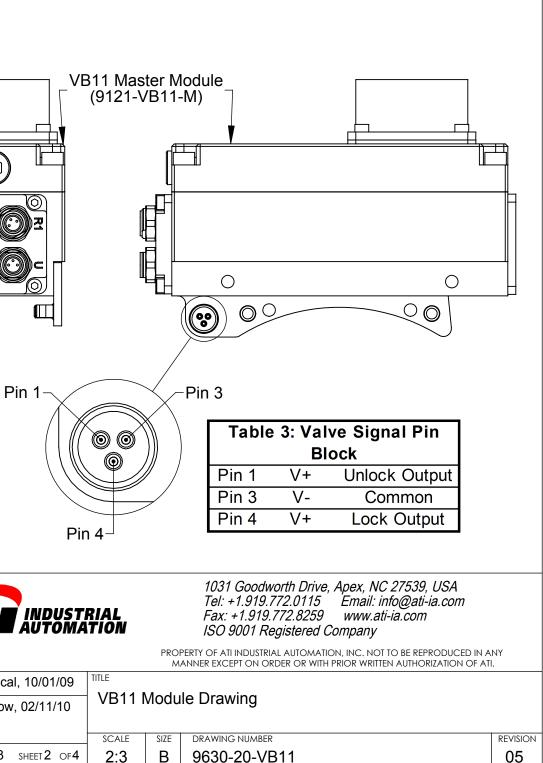
Rev.	Description	Initiator	Date
	ECO 18205: Sheet 4: Added Note 6 "Tool-ID Switch is rated for 0.1A / 30VDC.	TBC	9/4/2019

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ר	Table	2: 10-Pin
	Pir	Block
1	A	TSI Out
1	В	N/C
	С	Tool ID1
1	D	Tool ID2
	E	Tool ID4
	F	Tool ID8
	G	TSI In
	н	24V
-	J	N/C
-	K	0V
-		
1		

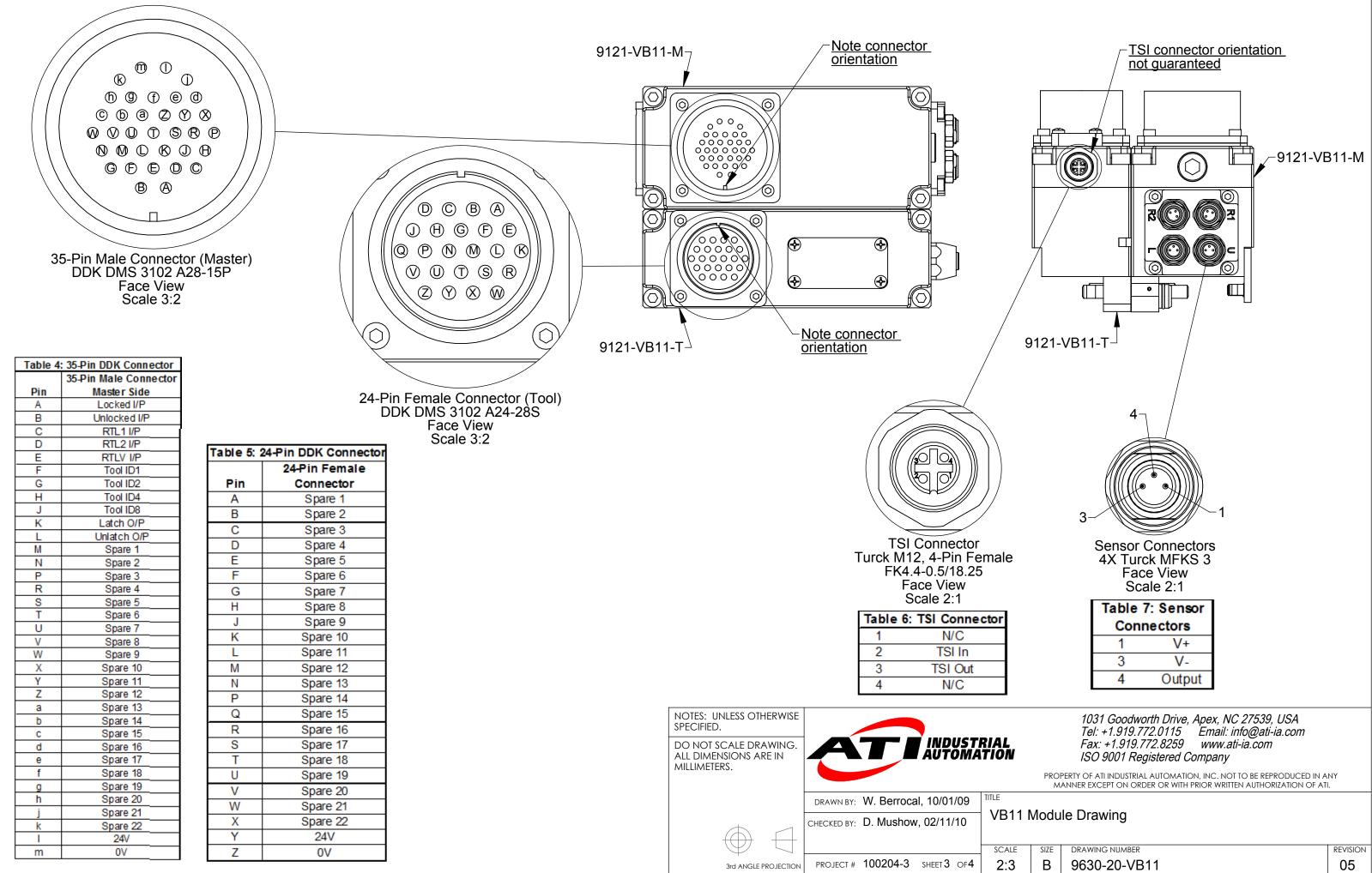


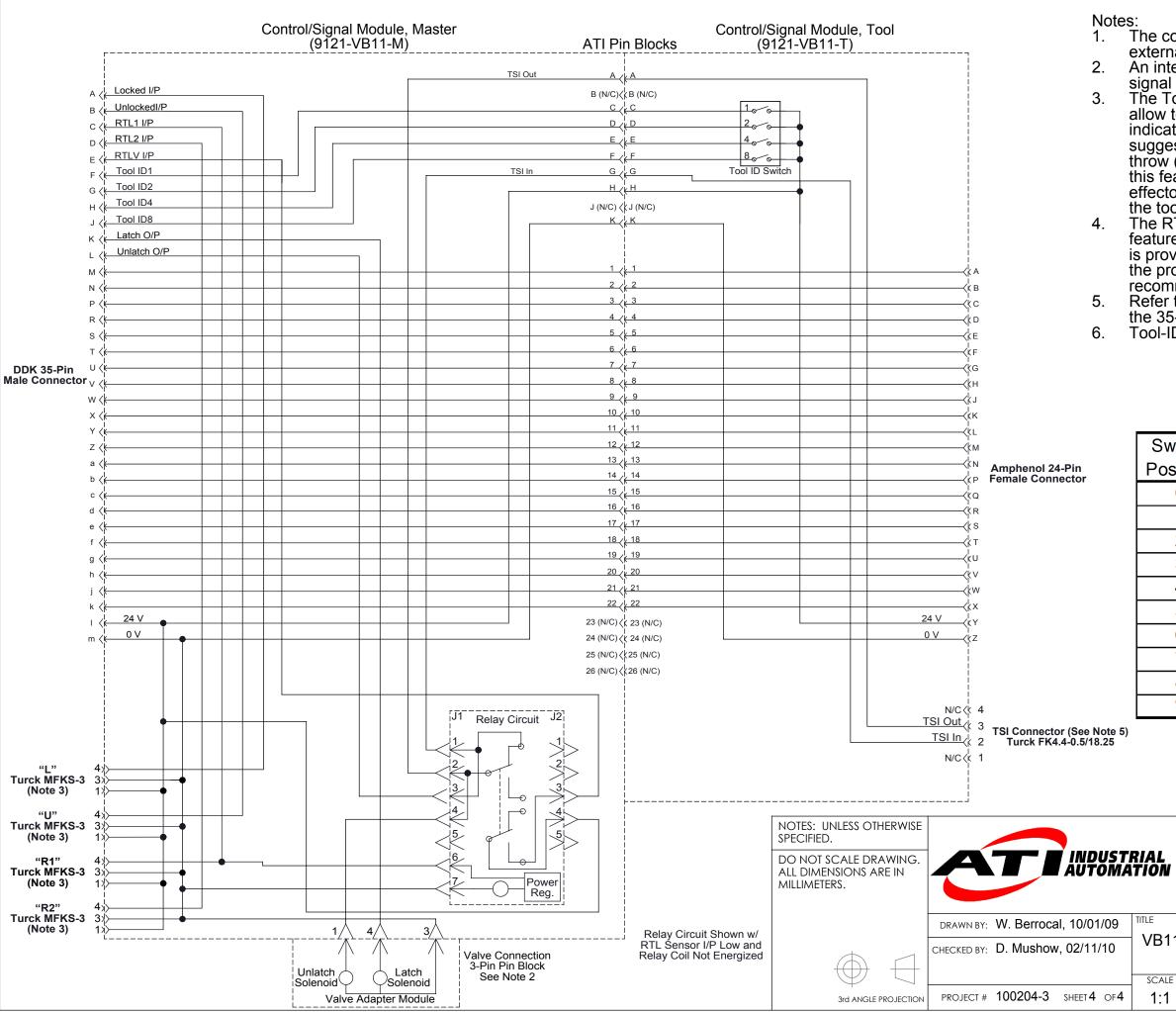


NOTES: UNLESS OTHERWISE SPECIFIED.		
DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.		TRIAL ATION
	DRAWN BY: W. Berrocal, 10/01/09	TITLE
	CHECKED BY: D. Mushow, 02/11/10	- VB11
		SCALE
3rd ANGLE PROJECTION	PROJECT # 100204-3 SHEET 2 OF 4	2:3

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9630-20-VB11





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

An internal pin block is used to transmit the Latch/Unlatch signal to the valve adapter, as shown in the schematic. The Tool Stand Interlock (TSI) circuit is provided to ONLY allow tool release while in the stand or storage location as indicated by actuation of a customer-integrated switch. It is suggested that the customer integrate a single pole, single throw (Normally Open, spring return) limit switch to work with this feature. The limit switch should be mounted to the end effector in such a way that the switch is "made" only when the tool is in the stand or storage location.

The RTL1 sensor is very important to the operation of the TSI feature and should be monitored for failure. The RTLV input is provided for fault monitoring of this circuit. Please consult the product manual for operation and fault monitoring recommendations.

Refer to Table 8 for the Tool ID output (Note: Use Pin 'l' of the 35-Pin Connector (Master Side) as common). Tool-ID Switch is rated for 0.1A / 30VDC.

				<u> </u>
witch	35-Pin Connector (Master)			
sition	Pin J	Pin H	Pin G	Pin F
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1

Table 8: Tool ID Binary Output

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REVISION

05

VB11 Module Drawing

LE	SIZE	DRAWING NUMBER
1	В	9630-20-VB11