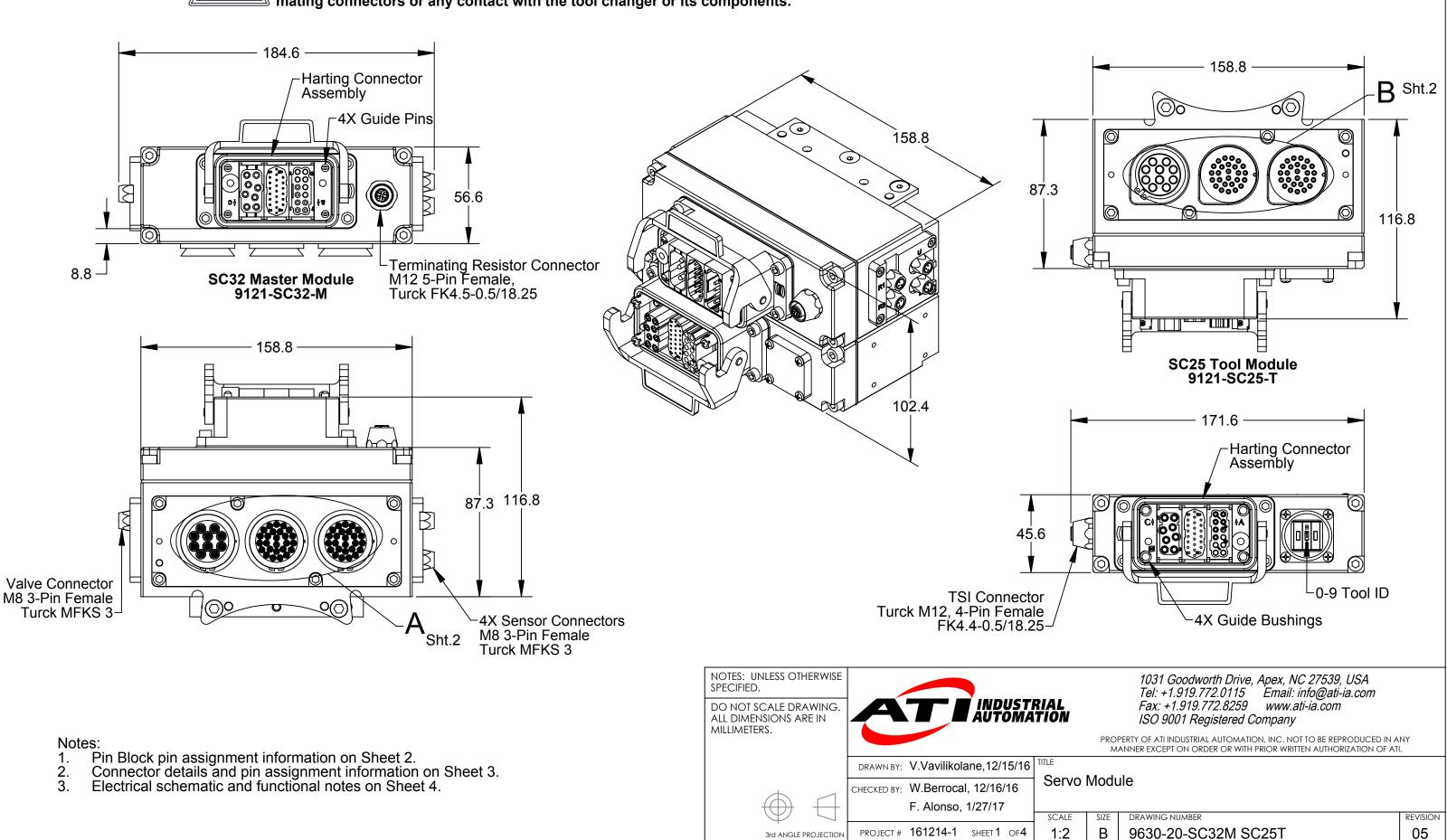
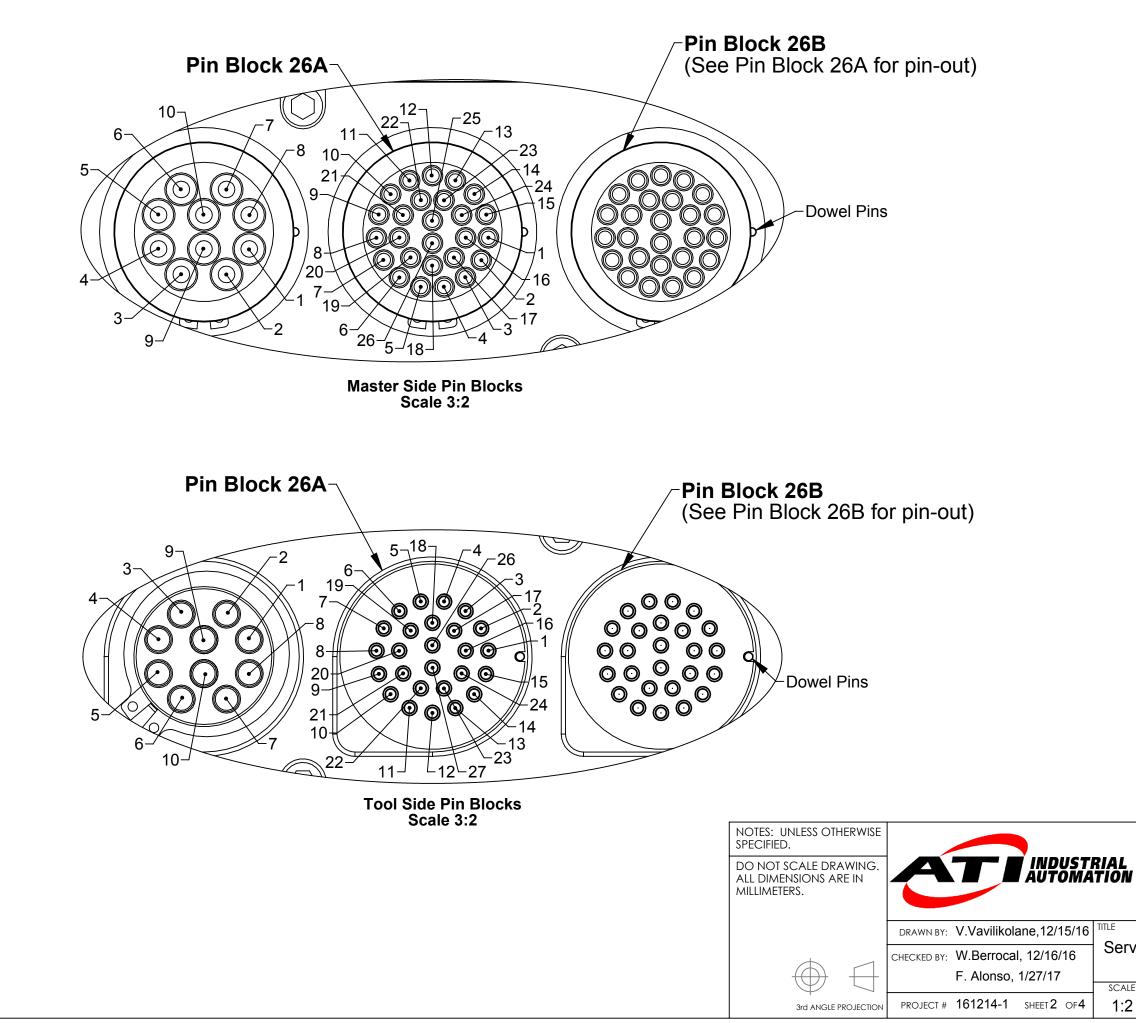
"DANGER!" - Electrical Shock Hazard



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
05	ECO 18205: Sheet 4: Added Note 11 "Tool-ID Switch is rated for 0.1A / 30VDC.	TBC	9/4/2019

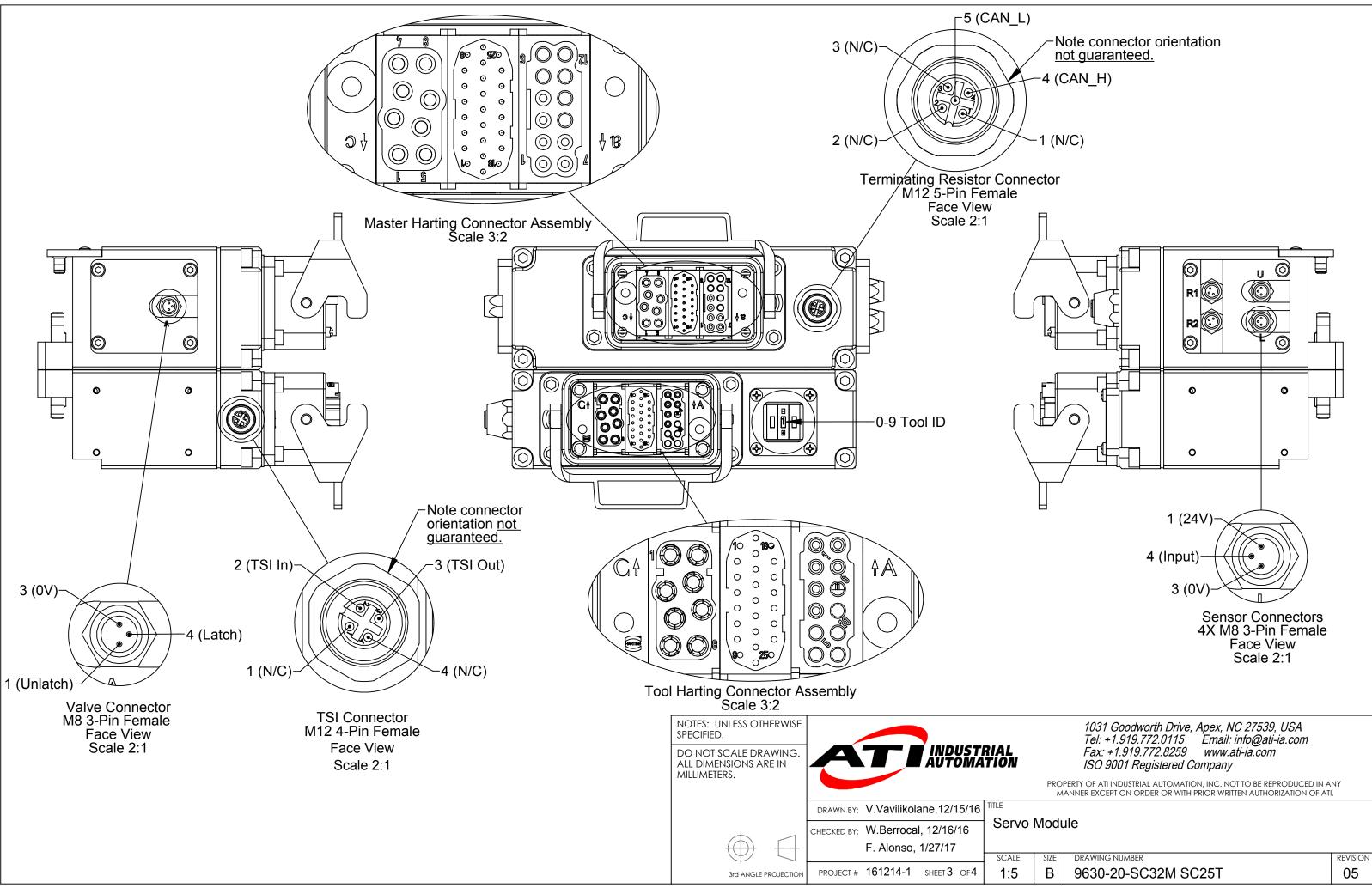




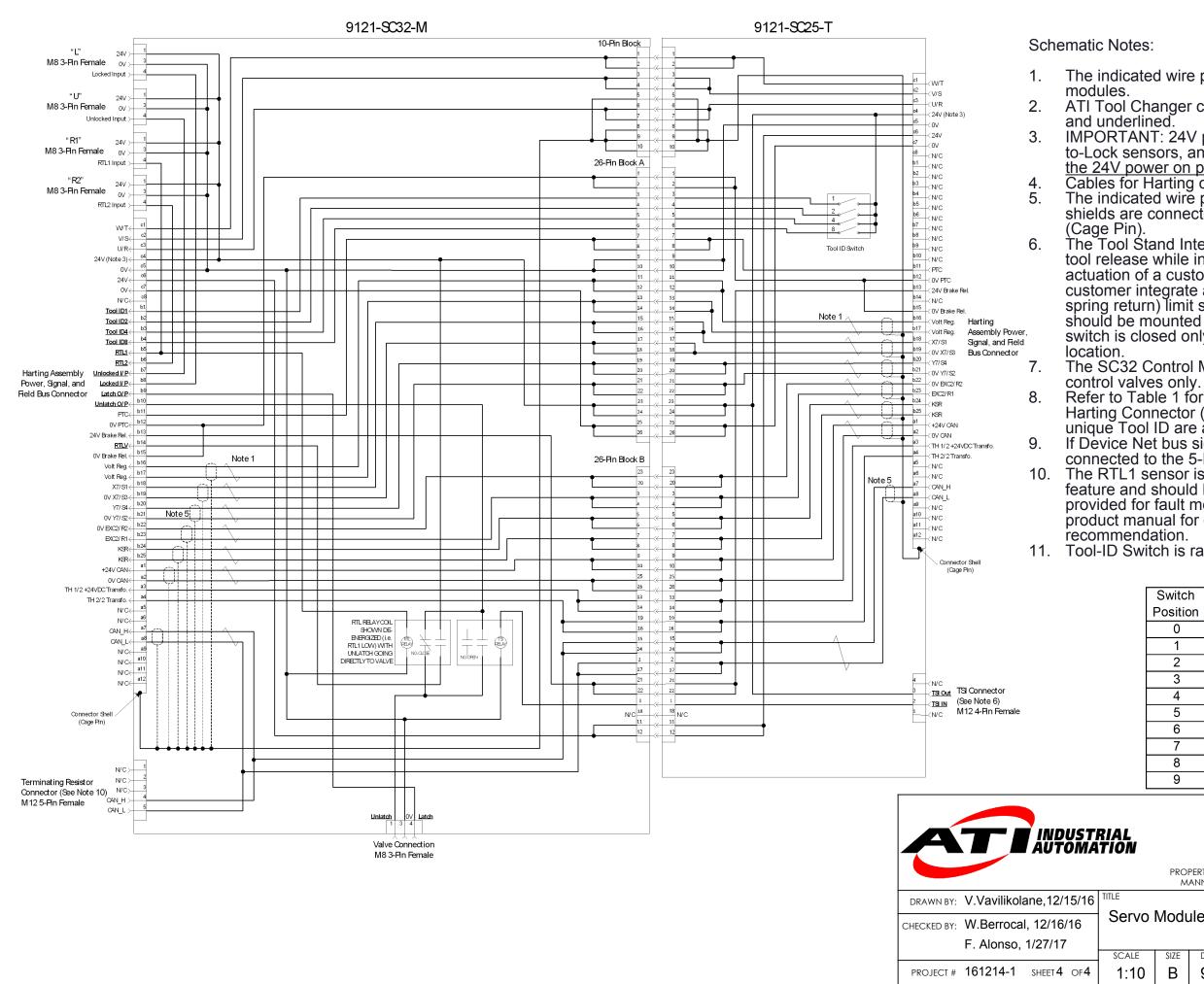
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Servo Module

E	SIZE	DRAWING NUMBER	REVISION
•	В	9630-20-SC32M SC25T	05



E	SIZE	DRAWING NUMBER	REVISION
;	В	9630-20-SC32M SC25T	05



The indicated wire pairs are twisted in the Master and Tool

ATI Tool Changer control and sensor signals are identified as bold

IMPORTANT: 24V power is required for the Lock, Unlock, Readyto-Lock sensors, and Tool ID. Therefore it is recommended that the 24V power on pin c4 be unswitched.

Cables for Harting connectors are supplied by the customer. The indicated wire pairs are shielded in the Master and Tool. The shields are connected to FE via the Harting Connector Shell

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 closed only when the tool is in the stand or storage

The SC32 Control Module is compatible with double solenoid

Refer to Table 1 for the Tool ID output (Note: Use pin c4 of the Harting Connector (Master Side) as common). A maximum of 10 unique Tool ID are available.

If Device Net bus signals are utilized, a terminating resistor can be connected to the 5-Pin M12 Connector on the Master Module. 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

witch	is	rated	for	0.1A /	30VDC.	

Switch	Harting Connector (Master)					
Position	b4	b3	b2	b1		
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 1. Tool ID Output

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Servo Module

E	SIZE	DRAWING NUMBER	REVISION
0	В	9630-20-SC32M SC25T	05