



Table 1: 26-Pin			
Pin Block			
1	Spare 1		
2	Spare 2	1	
3	Spare 3		
4	Spare 4		
5	Spare 5		
6	Spare 6		
7	Spare 7		
8	Spare 8		
9	Spare 9		
10	Spare 10		
11	Spare 11		
12	Spare 12		
13	Spare 13		
14	Spare 14		
15	Spare 15		
16	Spare 16		
17	Spare 17		
18	Spare 18		
19	Tool ID1		
20	Tool ID2		
21	Tool ID4		
22	Tool ID8		
23	N/C		
24	N/C		
25	N/C		
26	N/C		

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





NOTES: UNLESS OTHERWISE			
SPECIFIED.			
DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.	AT	AUTOMA	RIAL TION
	DRAWN BY: W. Berrocal,	2/15/12	TITLE
	CHECKED BY: A. Strotzer, 2	2/16/12	
			SCALE
3rd ANGLE PROJECTION	PROJECT # 120215-1	sheet 2 of 4	2:3

9630-20-VB11M VB13T





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.

The common for Tool ID is tied into the 24VDC line. The Tool ID switches are rated for service at 50V and 100mA max. 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.

				-
tob	3	5-Pin Conne	ector (Mast	er)
tion	Pin J	Pin H	Pin G	Pin F
	Pin k	Pin j	Pin h	Pin g
)	0	0	0	0
	0	0	0	1
2	0	0	1	0
}	0	0	1	1
-	0	1	0	0
5	0	1	0	1
6	0	1	1	0
,	0	1	1	1
3	1	0	0	0
)	1	0	0	1

Table 8: Tool ID Binary Output

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VB11-M VB13-T Customer Drawing

LE	SIZE	DRAWING NUMBER	REVISIC
1	В	9630-20-VB11M VB13T	04