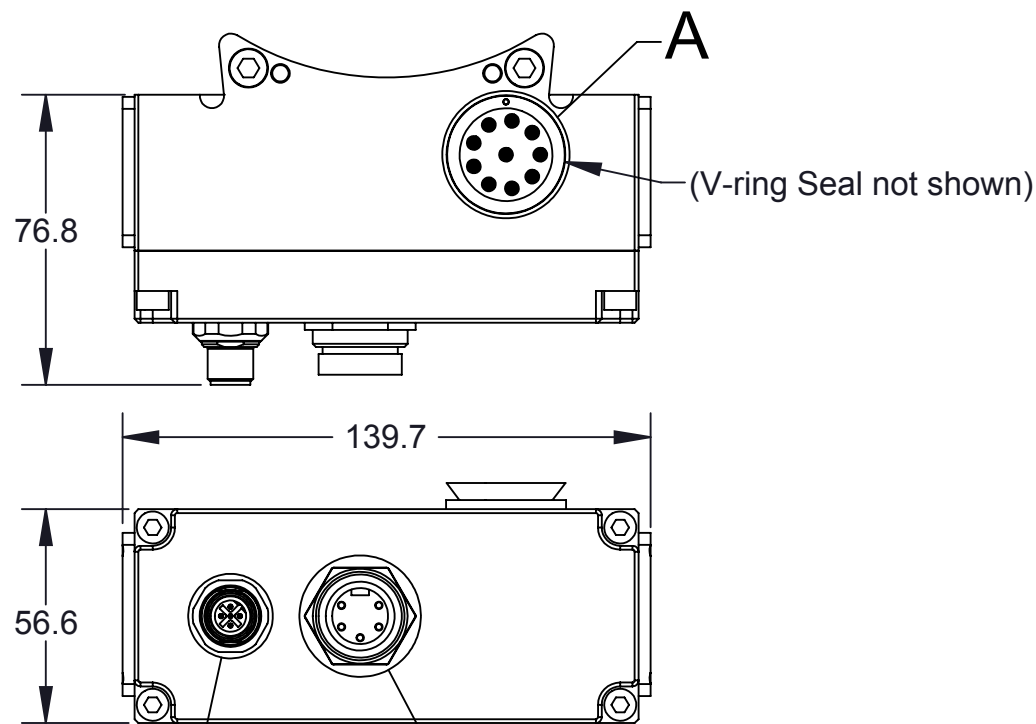


**" DANGER!" - Electrical Shock Hazard**

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
03	Eco 17772; Removed 9005-20-1199 Tool Cleat Assembly. Added Electrical Shock Note.	CF	3/26/2019

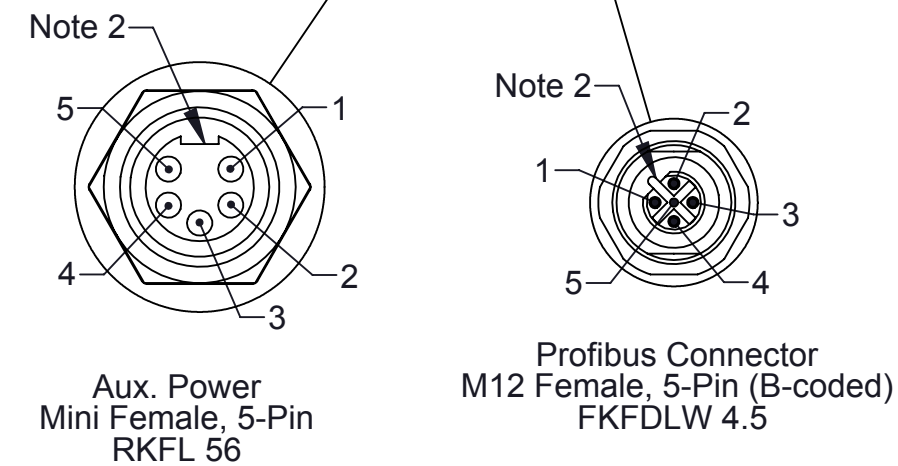
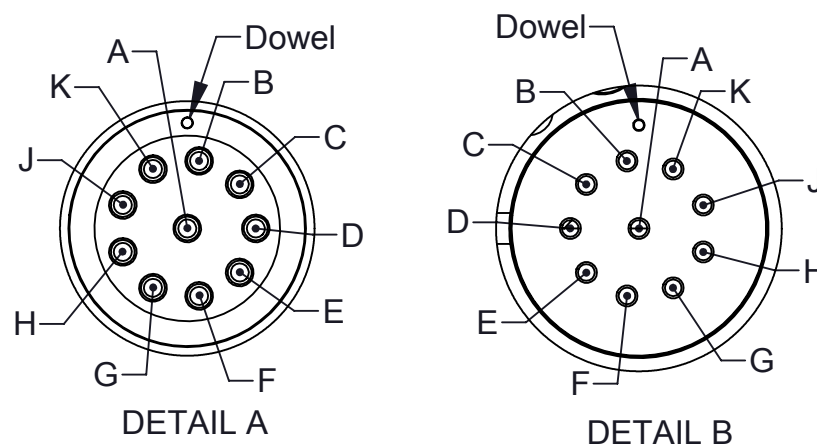
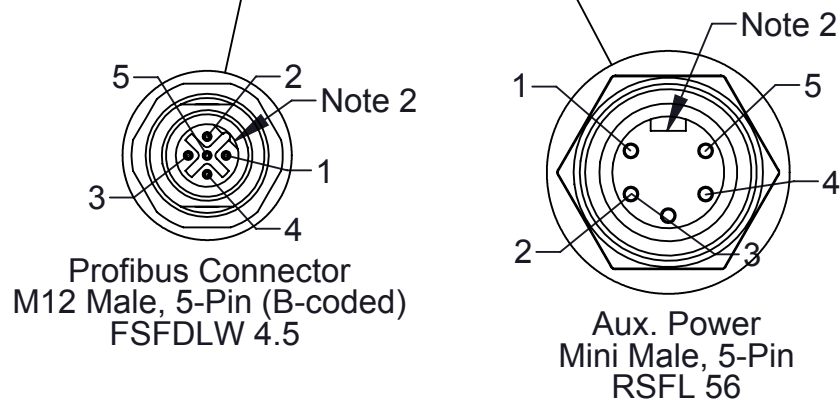
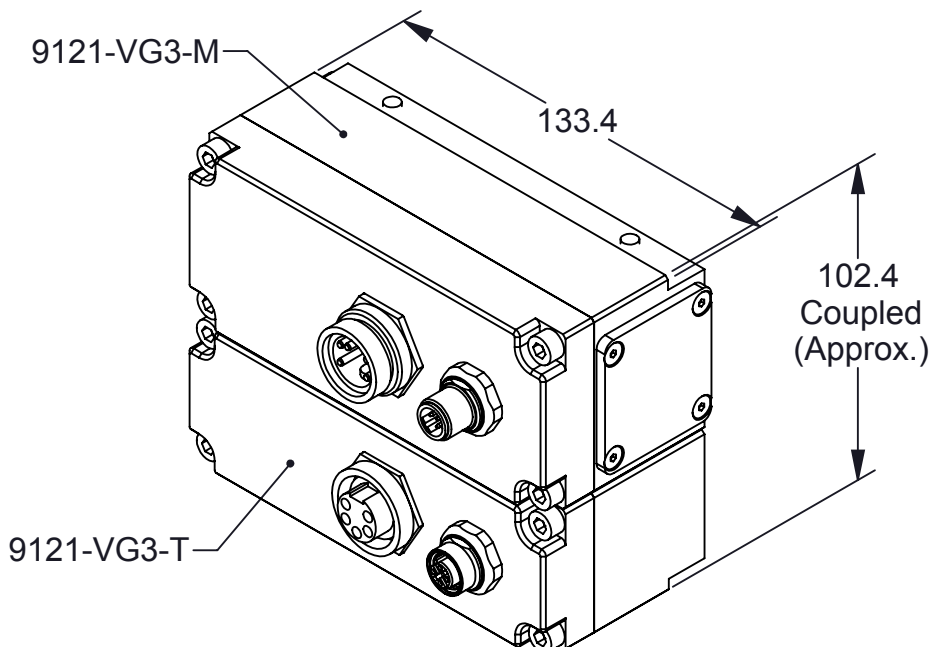
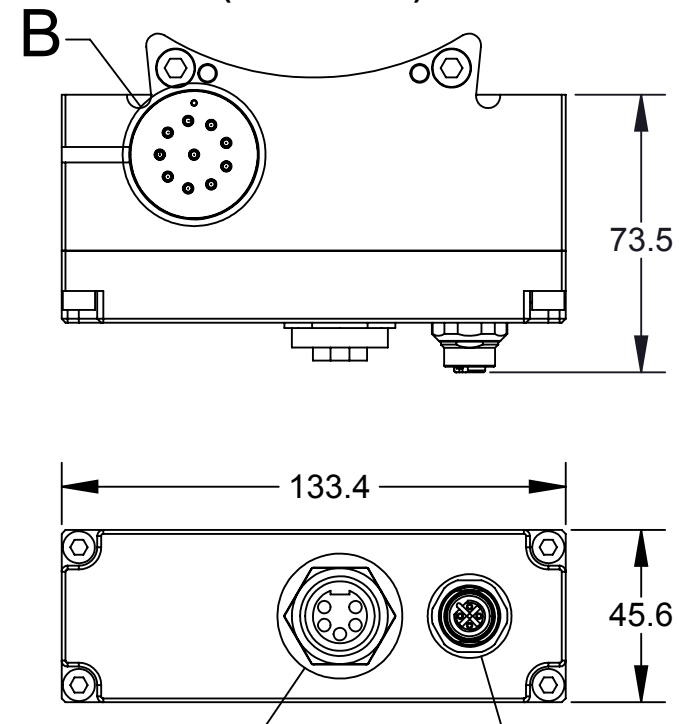
**VG3 Master Module  
(9121-VG3-M)**



**Notes:**

1. The Modules are shown at the sheet scale. All Connector face views are shown at a 1:1 scale.
2. Connectors are oriented as shown on the Modules.
3. Serviceable parts on Sheet 2.
4. See the schematic on Sheet 3 for wiring details.

**VG3 Tool Module  
(9121-VG3-T)**

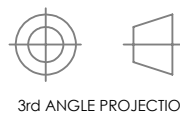


(See Tables at Left for Wiring Information)

Profibus Connector		Aux Power Connector	
1	V+	1	GND
2	Bus A	2	GND
3	V-	3	PE
4	Bus B	4	24VDC
5	Shield	5	Actuator Supply

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

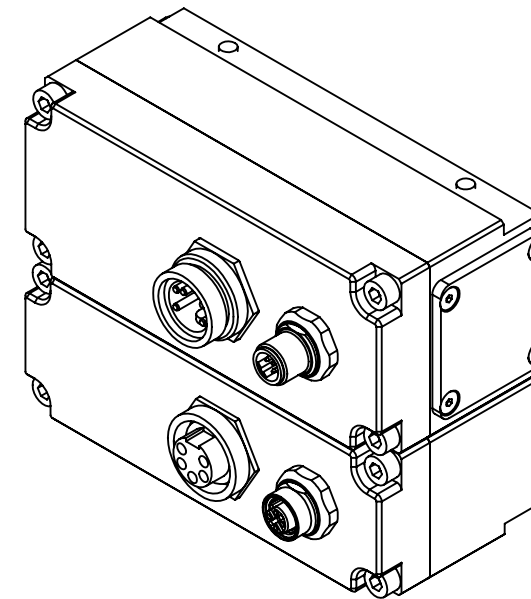
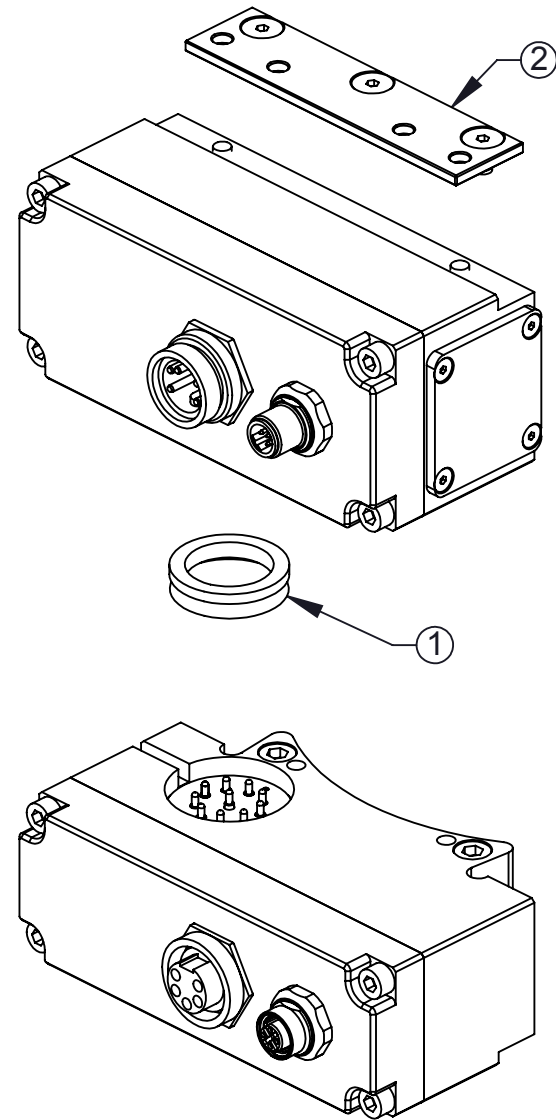


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DRAWN BY: M. Gala, 11/6/09		TITLE	
CHECKED BY: W. Berrocal, 11/9/09		VG3 Discrete Profibus Pass-Through Module Drawing	
PROJECT # 091027-1	SHEET 1 OF 3	SCALE 1:2	SIZE B
DRAWING NUMBER 9630-20-VG3		REVISION 03	

### Serviceable Parts



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	1	4010-0000030-01	V-Ring Seal
2	1	9005-20-1198	Master Cleat Sub-Assembly

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

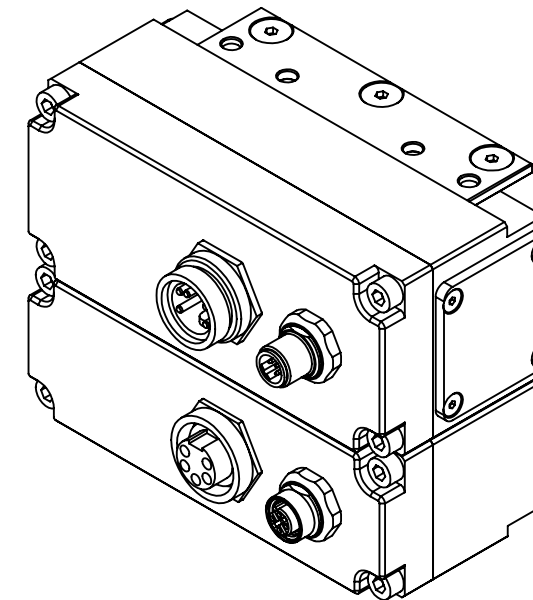
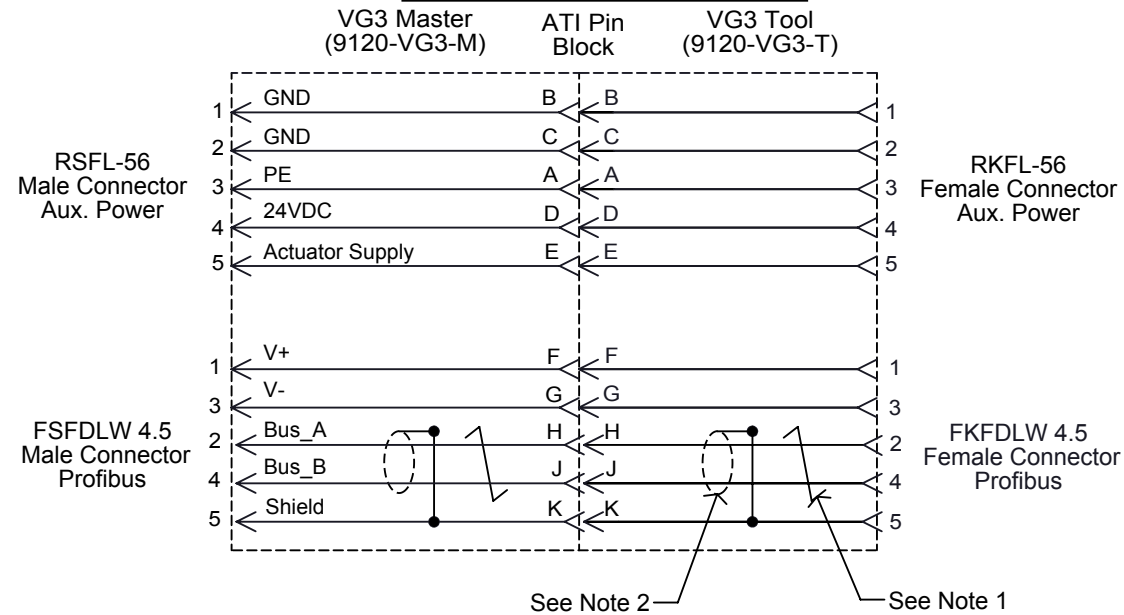


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CHECKED BY: W. Berrocal, 11/9/09		VG3 Discrete Profibus Pass-Through Module Drawing		
PROJECT # 091027-1	SHEET 2 OF 3	SCALE	SIZE	DRAWING NUMBER
		1:2	B	9630-20-VG3
				REVISION
				03

### ELECTRICAL SCHEMATIC



#### Electrical Schematic Notes:

1. Pins 2 & 4 of the Profibus connectors are twisted.
2. Twisted wire pairs are shielded. The individual wire pair shields are connected to Pin 5 of the Profibus connector. The shield is passed from Master to Tool on Pin K of the 10-Pin Pin Block.

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3rd ANGLE PROJECTION



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DRAWN BY: M. Gala, 11/6/09		TITLE		
CHECKED BY: W. Berrocal, 11/9/09		VG3 Discrete Profibus Pass-Through Module Drawing		
PROJECT # 091027-1	SHEET 3 OF 3	SCALE	SIZE	DRAWING NUMBER
		1:2	B	9630-20-VG3
				REVISION
				03