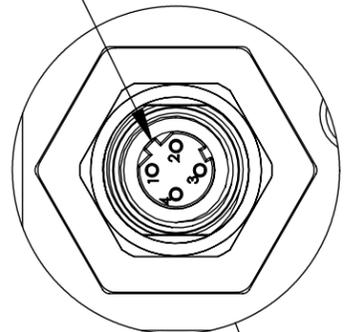


**"DANGER!" - Electrical Shock Hazard**

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 20130; Changed Profinet M12-4 D-Coded Female Connector. Dim 53.7 was 50.2; Updated Electrical Shock Note.	CF	7/12/2021

Note Orientation

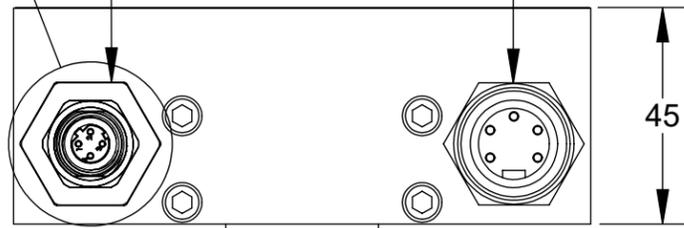


DETAIL C  
SCALE 4 : 3

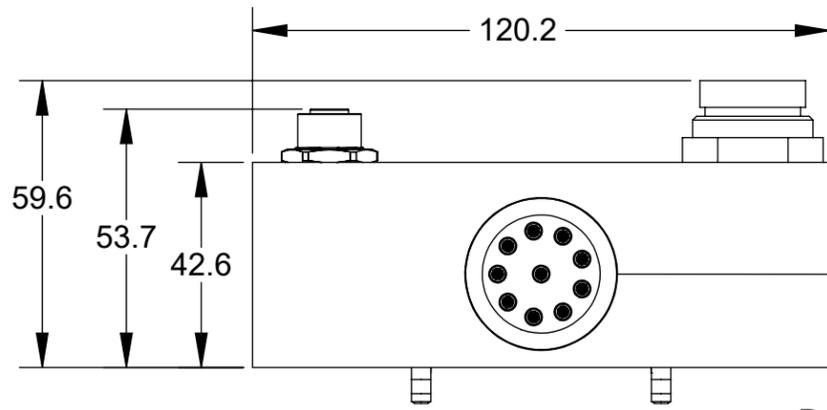
**TP Master Module  
(9120-TP-M)**

Profinet M12-4  
D-Coded Female  
(Signal Electronics  
120404-04-064)

Male Connector  
Aux Power  
(Turck # RSFL-56)  
Connector Orientation  
Not Guaranteed

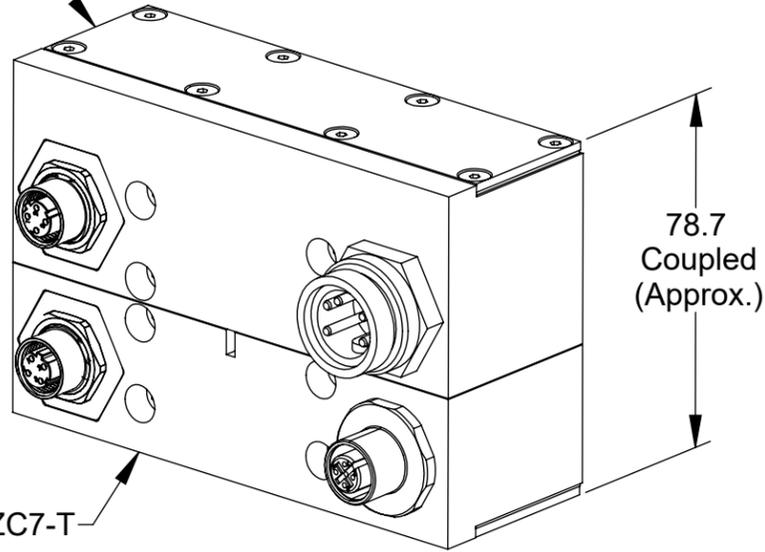


Serviceable Part:  
(V-Ring)  
4010-0000030-01



Dowel  
(V-Ring Hidden)

9120-TP-M

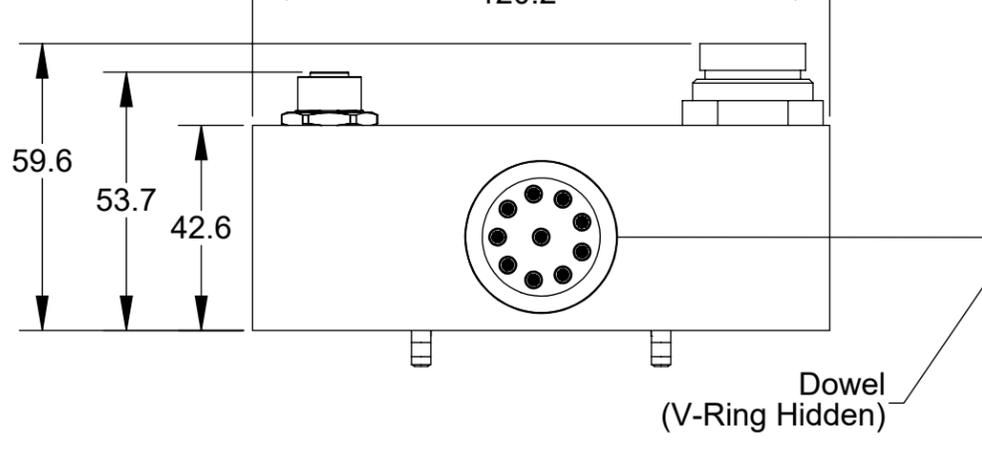
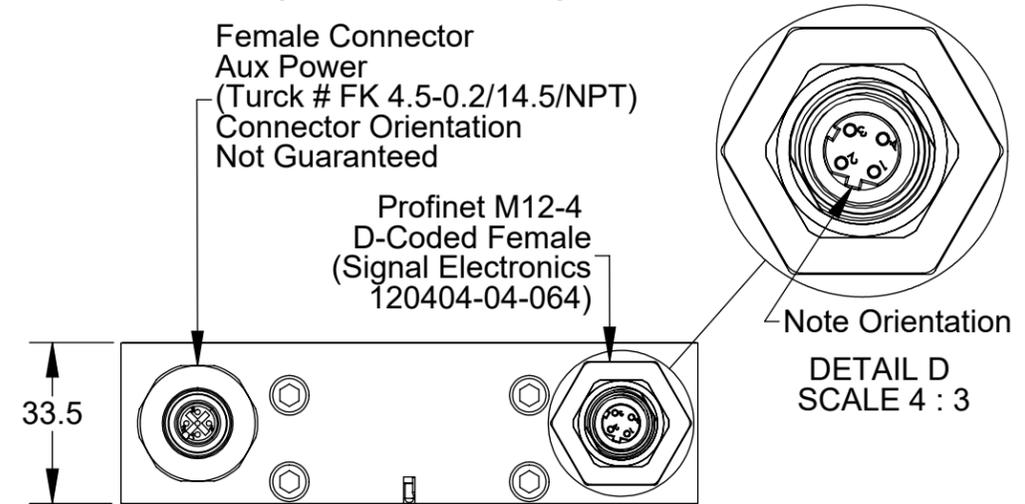


9120-TPZC7-T

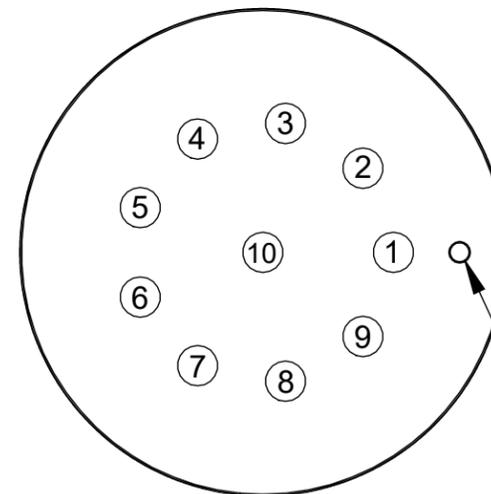
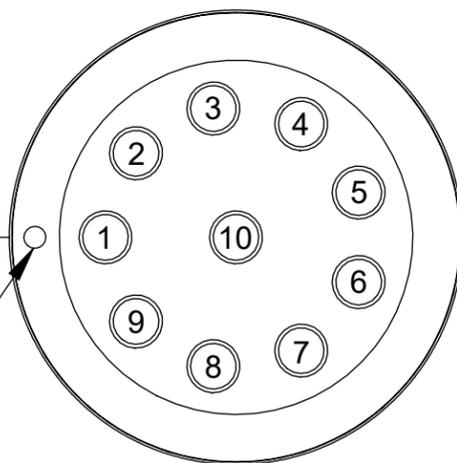
**TPZC7 Tool Module  
(9120-TPZC7-T)**

Female Connector  
Aux Power  
(Turck # FK 4.5-0.2/14.5/NPT)  
Connector Orientation  
Not Guaranteed

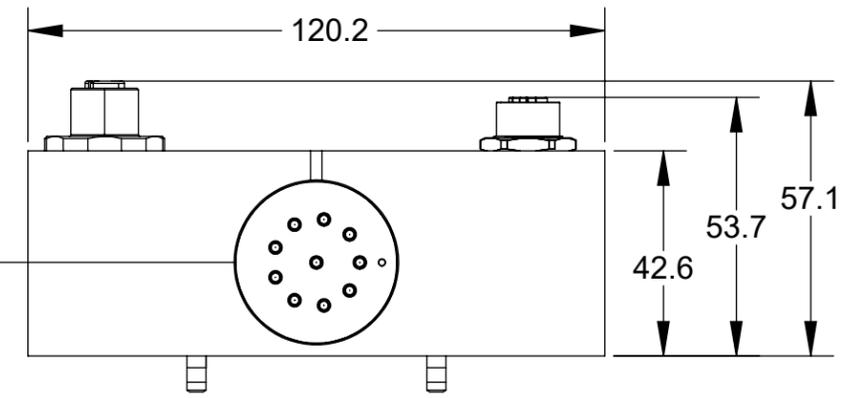
Profinet M12-4  
D-Coded Female  
(Signal Electronics  
120404-04-064)



Detail A  
ATI 10-Pin Master Pin Block  
SCALE 2 : 1



DETAIL B  
ATI 10-Pin Tool Pin Block  
SCALE 2 : 1



- Notes:
1. The modules are shown at sheet scale, except as noted.
  2. The Auxiliary Power connector orientation is not guaranteed.
  3. Electrical Schematic is on Sheet 2.
  4. The TP Master / TPZC7 Tool are rated to 4A maximum current, 250V maximum voltage.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



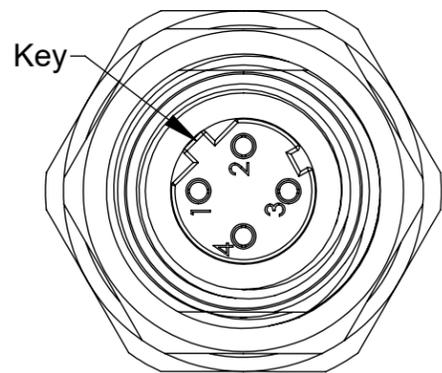
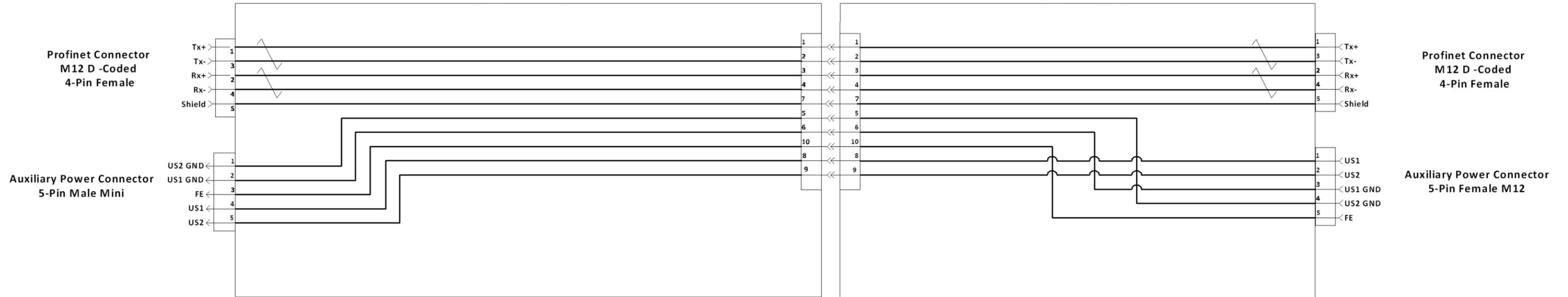
1031 Goodworth Drive, Apex, NC 27539, USA  
Tel: +1.919.772.0115 Email: info@ati-ia.com  
Fax: +1.919.772.8259 www.ati-ia.com  
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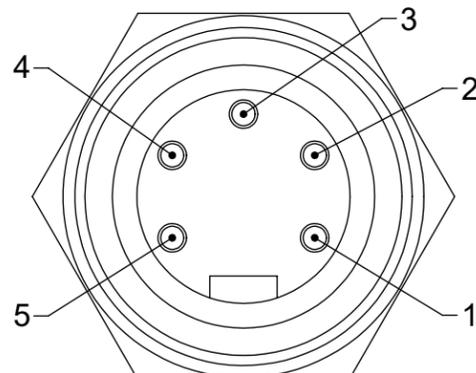
DRAWN BY: A. Takla, 08/04/14		TITLE	
CHECKED BY: W. Berrocal, 08/05/14 M. Hallmark, 08/05/14		TP Master / TPZC7 Tool Module Customer Drawing	
PROJECT # 140801-3	SHEET 1 OF 2	SCALE 2:3	SIZE B
DRAWING NUMBER 9630-20-TPM TPZC7T		REVISION 05	

9120-TP-M

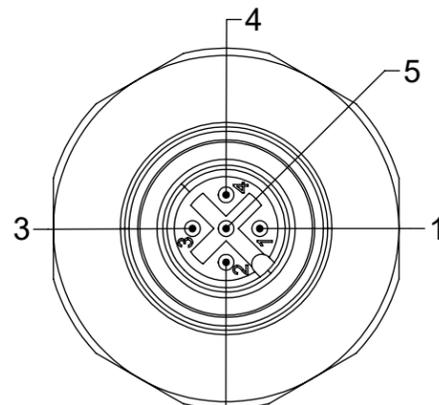
9120-TPZC7-T



Profinet Connector  
120404-04-064  
(Master and Tool Side)  
Scale 2.5:1



Auxiliary Power Connector  
Turck #RSFL-56  
(Master Side)  
Scale 2:1



Auxiliary Power Connector  
Turck #FK 4.5-0.2/14.5/NPT  
(Tool Side)  
Scale 2:1

	Master	Tool
1	Tx+	Tx+
2	Rx+	Rx+
3	Tx-	Tx-
4	Rx-	Rx-

1	US2 GND
2	US1 GND
3	FE
4	US1
5	US2

1	US1
2	US2
3	US1 GND
4	US2 GND
5	FE

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3rd ANGLE PROJECTION

1031 Goodworth Drive, Apex, NC 27539, USA  
Tel: +1.919.772.0115 Email: info@ati-ia.com  
Fax: +1.919.772.8259 www.ati-ia.com  
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DRAWN BY: A. Takla, 08/04/14		TITLE	
CHECKED BY: W. Berrocal, 08/05/14 M. Hallmark, 08/05/14		TP Master / TPZC7 Tool Module Customer Drawing	
PROJECT # 140801-3	SHEET 2 OF 2	SCALE 2:3	SIZE B
		DRAWING NUMBER 9630-20-TPM TPZC7T	REVISION 05

Notes:  
1. Pin 10 of the pin block is the first-to-mate and last to break contact. This is recommended as ground or shield.