

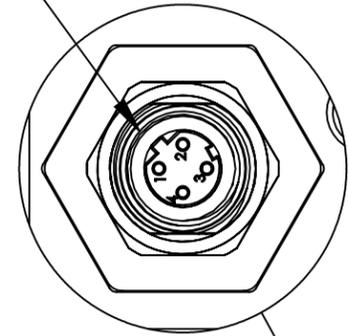
Rev.	Description	Initiator	Date
06	Eco 2009; Changed Profinet M12-4 D-Coded Female Connector. Dim 53.7 was 50.2	CF	6/16/2021



"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.

Note Orientation

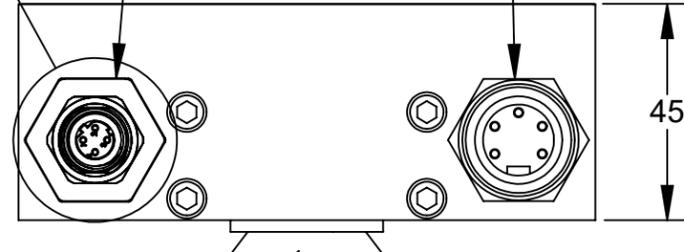


Detail C
SCALE 4 : 3

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

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

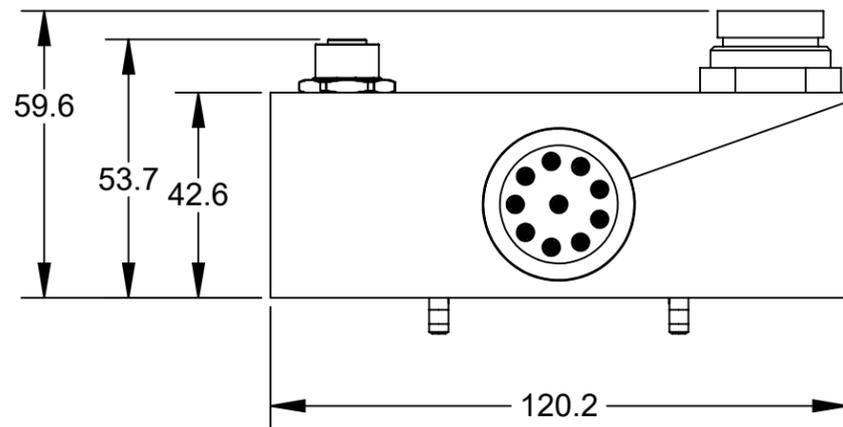
Male Connector
Aux Power
(Turck # RSFL-56)



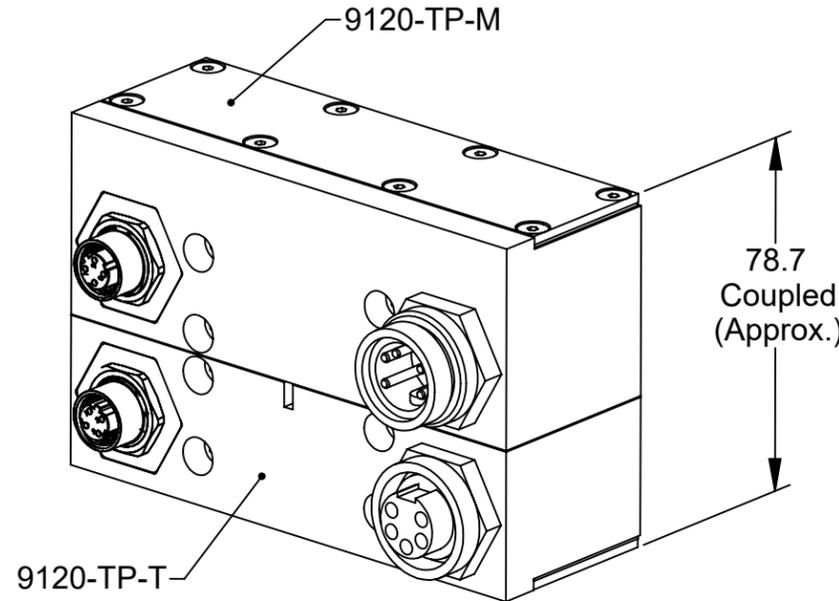
45

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

Dowel
(V-Ring Hidden)



120.2

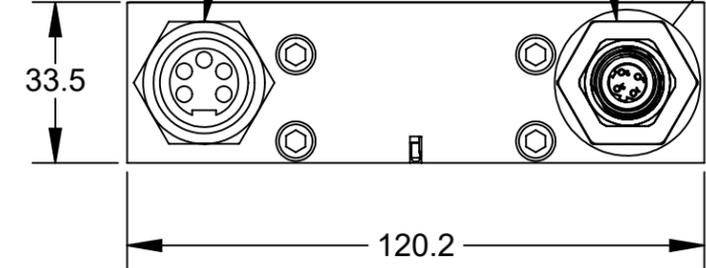


78.7
Coupled
(Approx.)

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

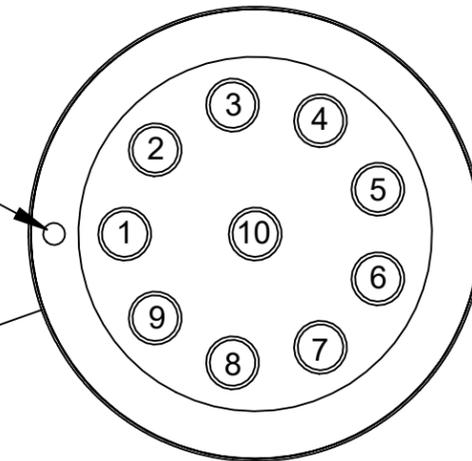
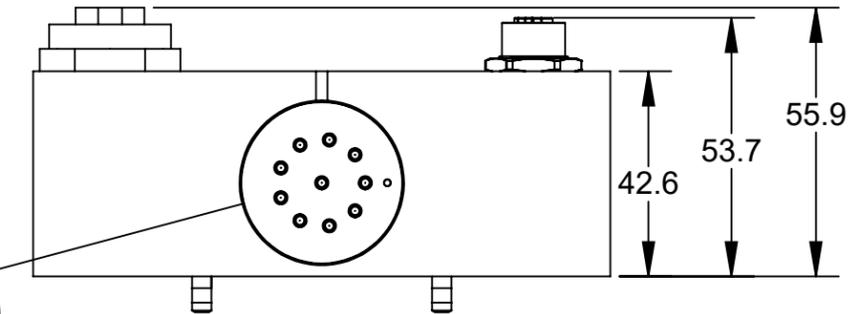
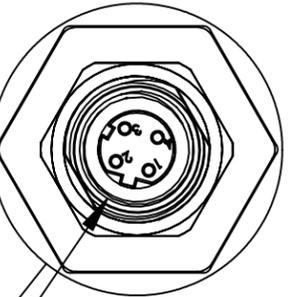
Female Connector
Aux Power
(Turck # RKFL-56)

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

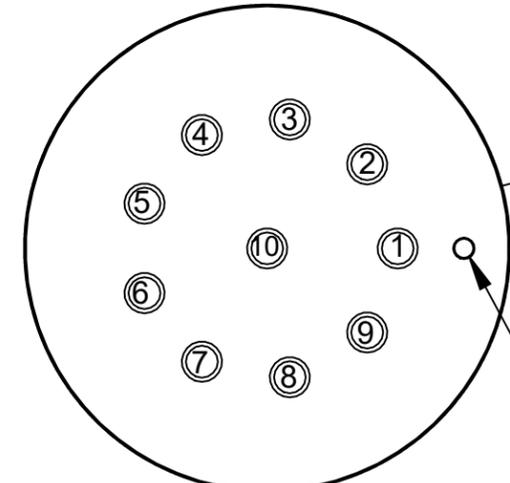


Note Orientation

Detail D
SCALE 4 : 3



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



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

Dowel

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 Module is rated to: Profinet Circuit-2A/60VAC max. Auxiliary Power Circuit-5A/600VAC max.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION



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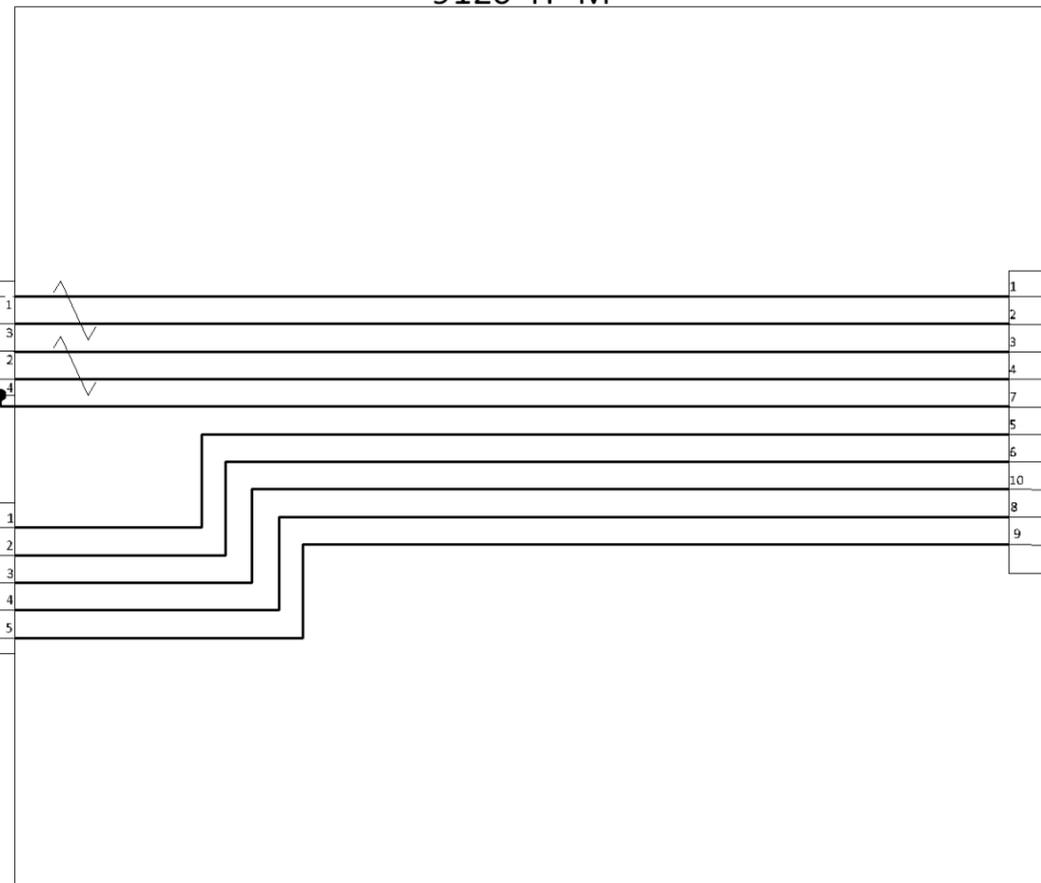
DRAWN BY: M.Hallmark, 7/15/13		TITLE	
CHECKED BY: A. Takla, 7/25/13		TP Module Customer Drawing	
L. Jamshidi, 12/5/13		SCALE	SIZE
PROJECT #	SHEET 1 OF 2	2:3	B
		DRAWING NUMBER	REVISION
		9630-20-TP	06

9120-TP-M

9120-TP-T

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

Tx+
Tx-
Rx+
Rx-

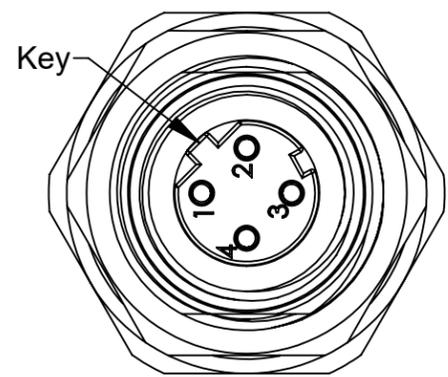
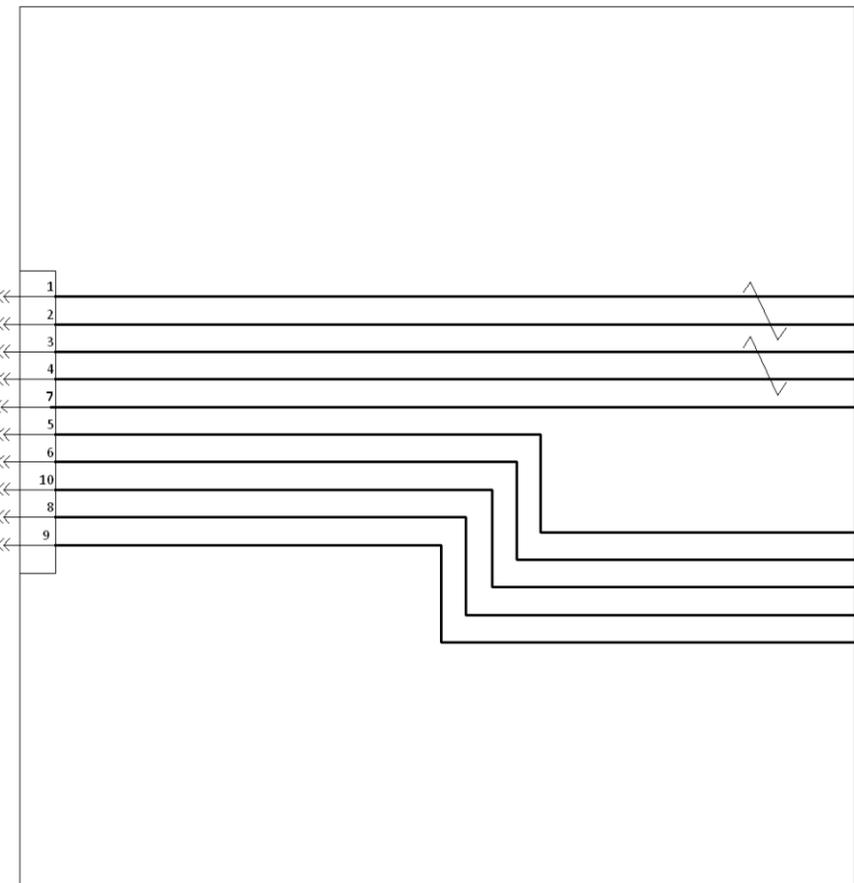


Profinet Connector
M12 D -Coded
4-Pin Female
(Signal Electronics
120404-04-064)

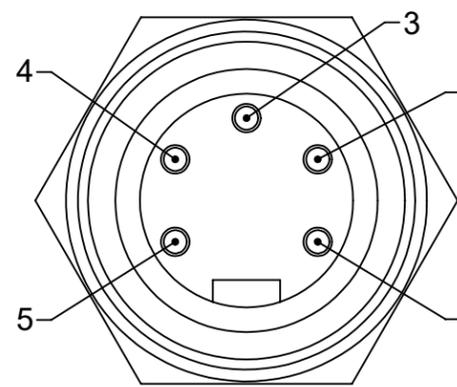
Connector Shell

Tx+
Tx-
Rx+
Rx-

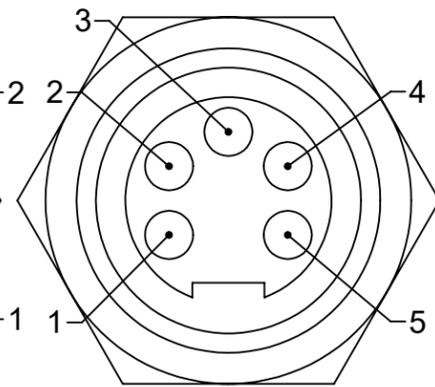
US2 GND
US1 GND
FE
US1
US2



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 #RKFL-56
(Tool Side)
Scale 2:1

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

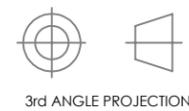
1	US2 GND
2	US1 GND
3	FE
4	US1
5	US2

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

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

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DRAWN BY: M.Hallmark, 7/15/13		TITLE	
CHECKED BY: A. Takla, 7/25/13		TP Module Customer Drawing	
PROJECT #		SCALE	REVISION
SHEET 2 OF 2		2:3	06
		SIZE	DRAWING NUMBER
		B	9630-20-TP