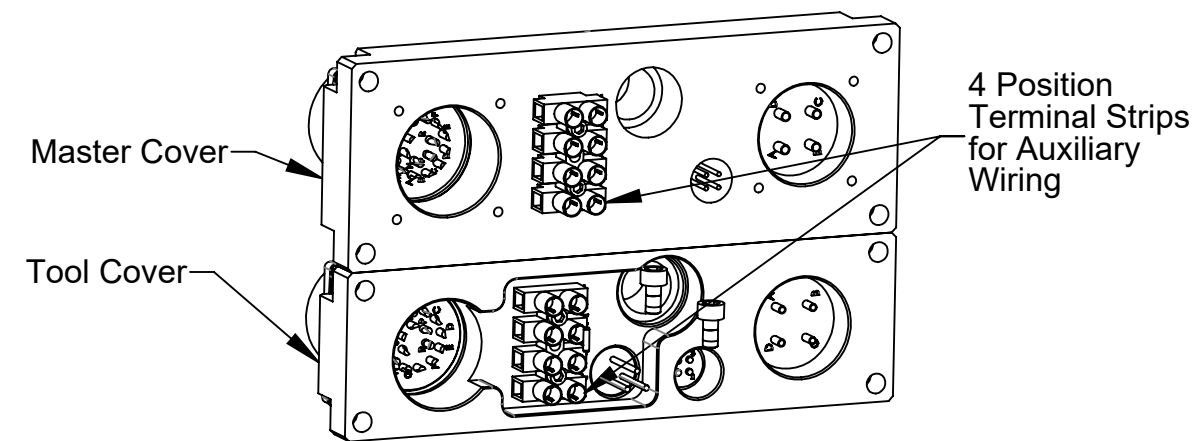
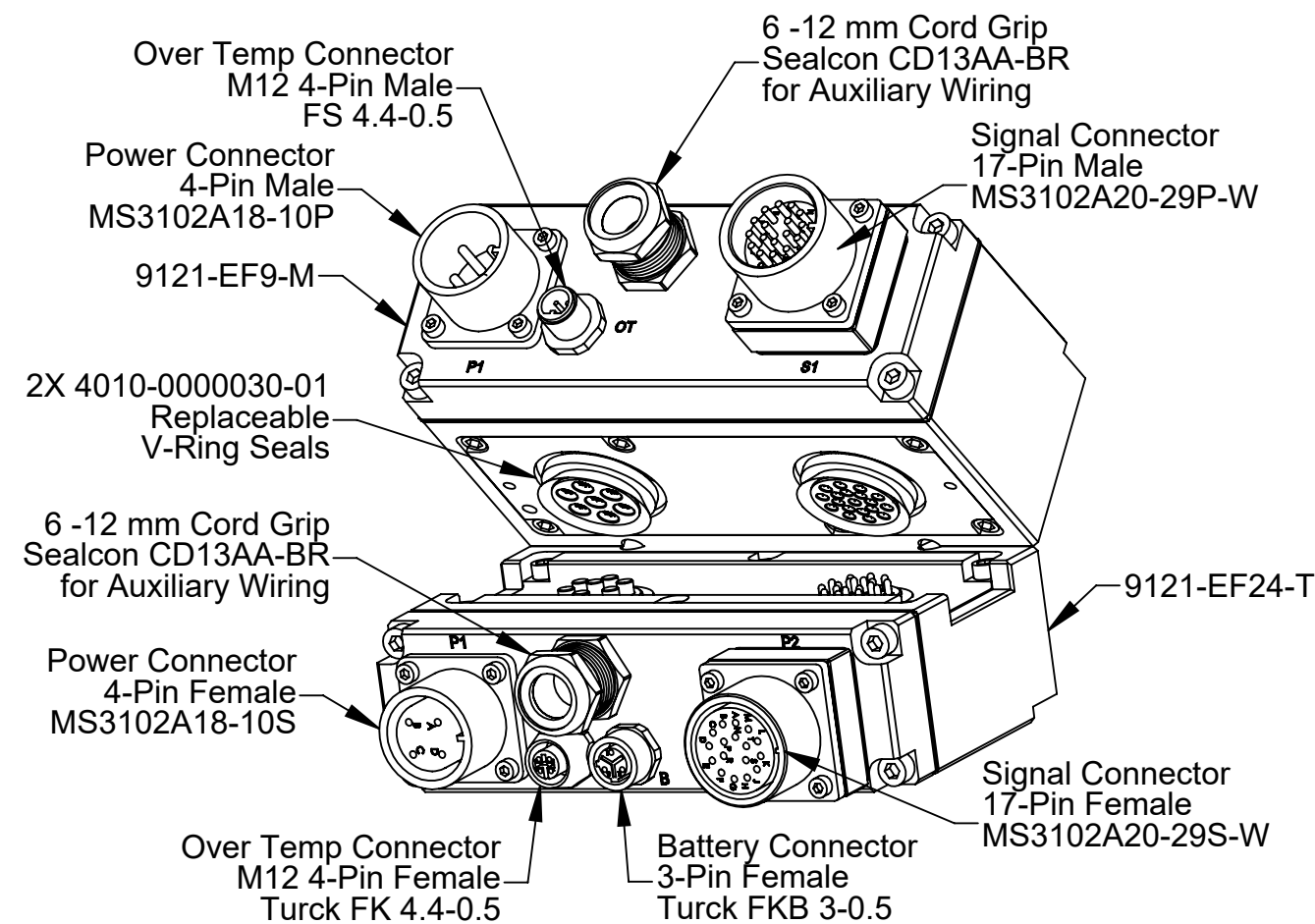
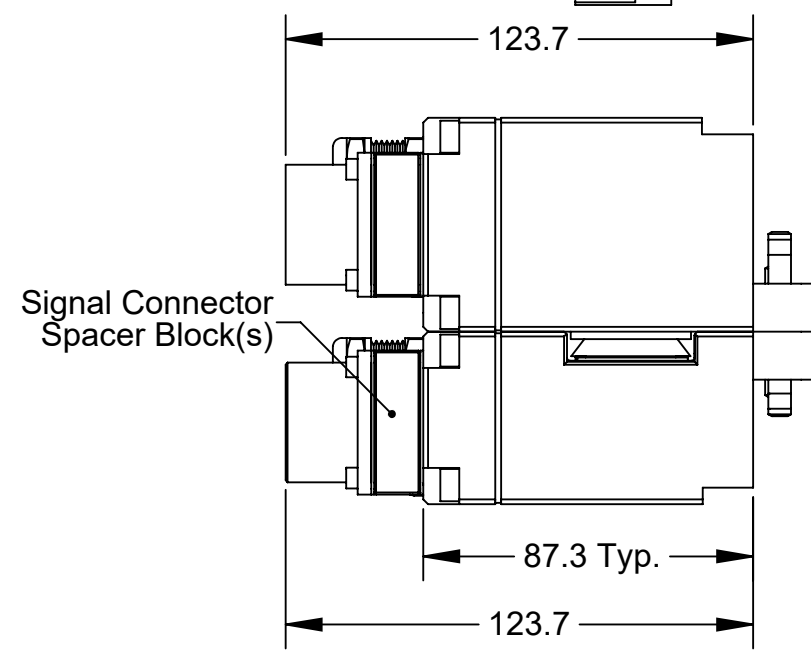
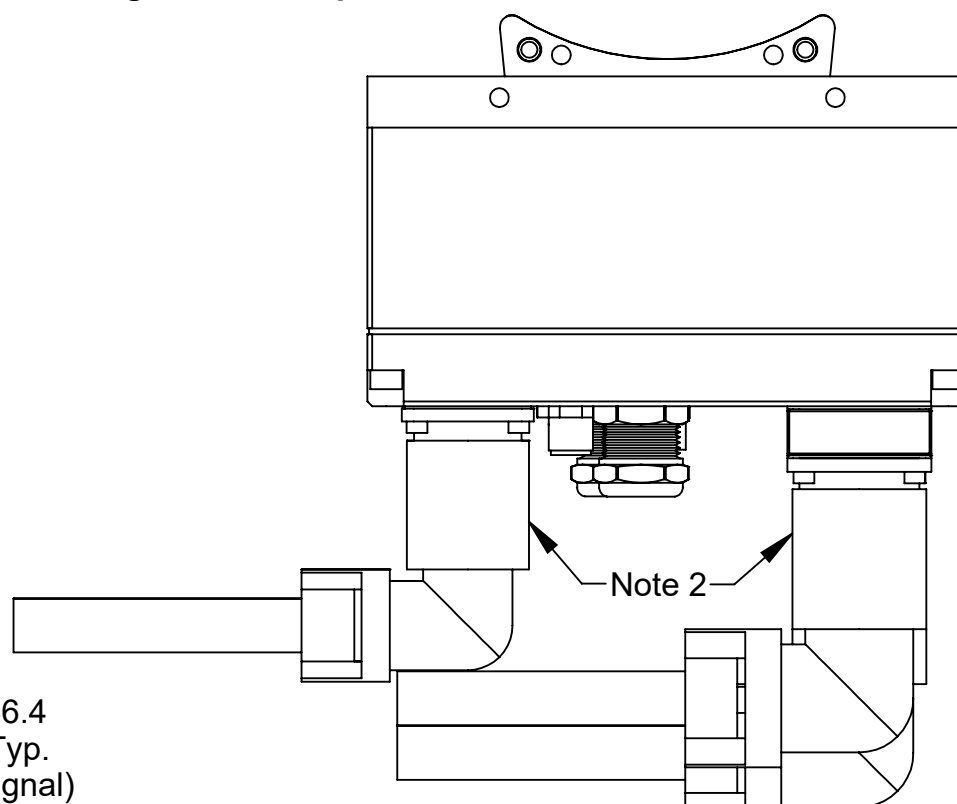
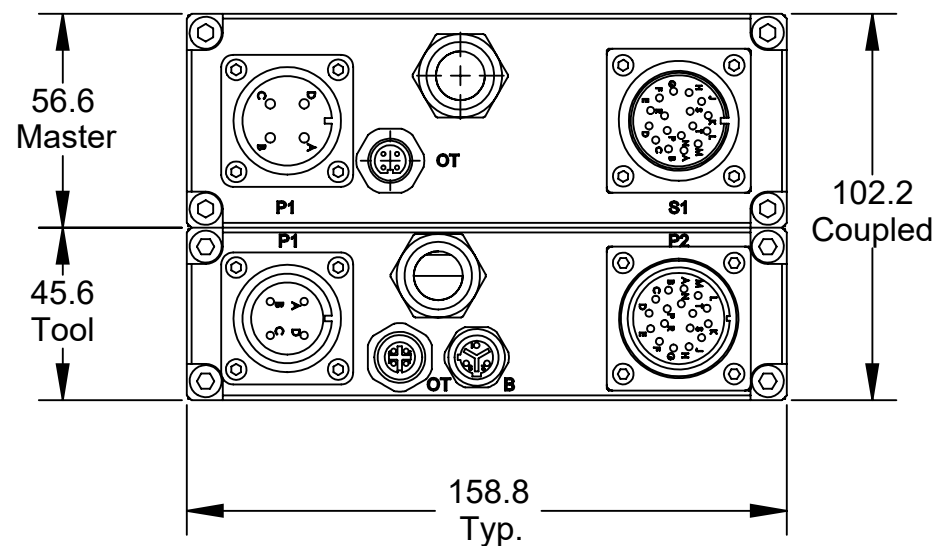
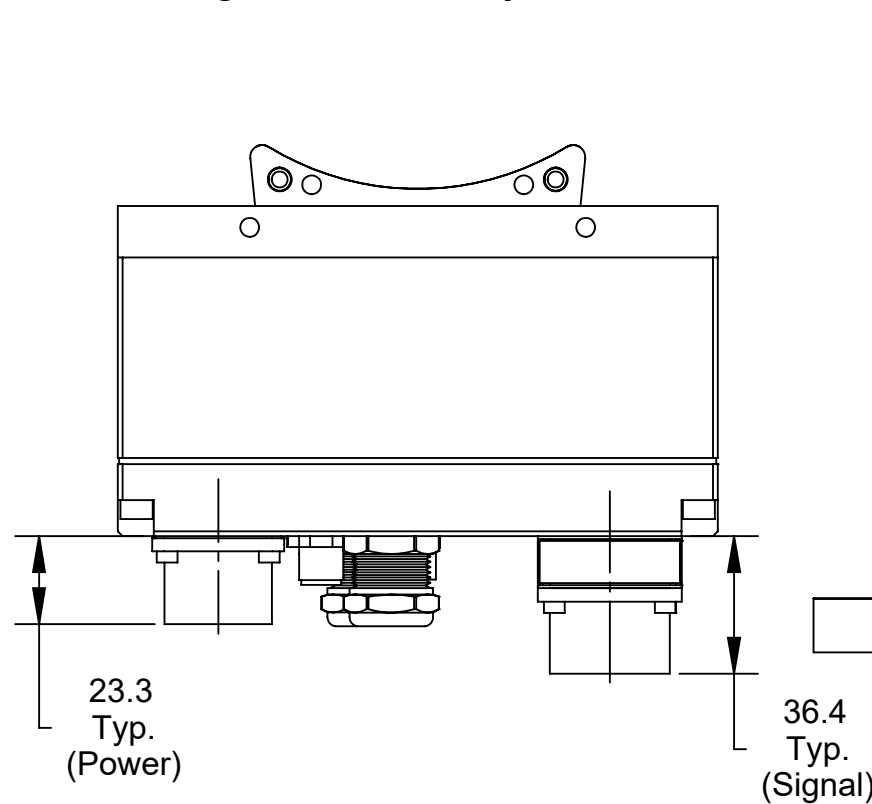


"DANGER!" - Electrical Shock Hazard

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
06	ECO 19459: Updated drawing for changes to EF24-T Module.	TBC	11/17/2020

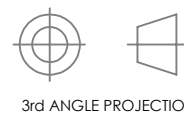


Rear View of Cover Assemblies

- Notes:
- Do not couple or uncouple the servo modules unless electrical power has been disconnected and discharged both upstream and downstream from the modules.
 - Do not service with power applied to contacts.
 - Right angle connectors shown for reference only (not supplied).

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

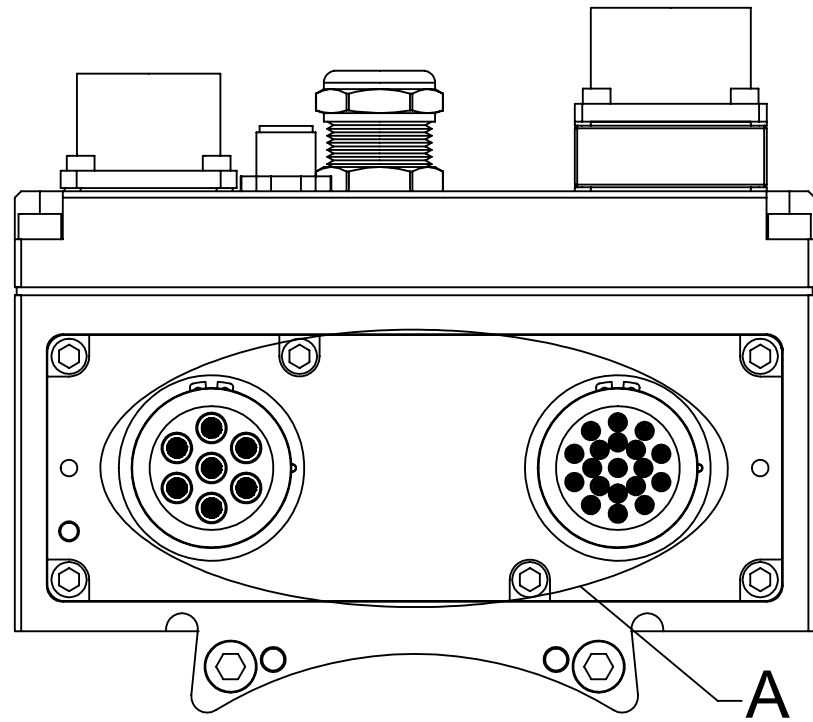


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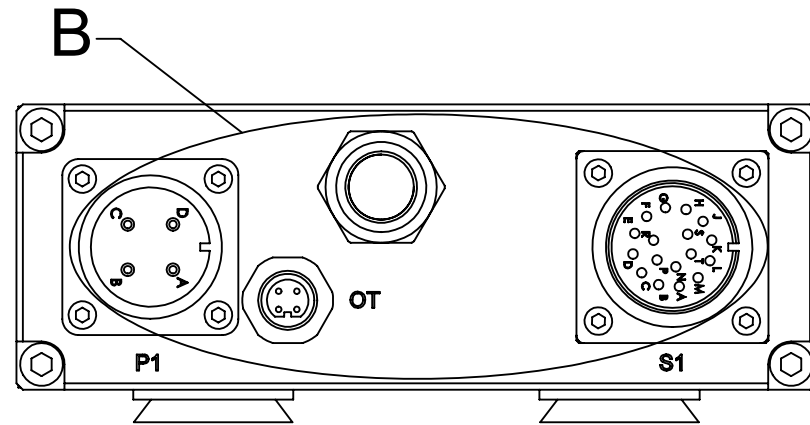
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DRAWN BY: W. Berrocal, 4/19/13		TITLE	
CHECKED BY: B. Henderson, 4/19/13		EF9-M, EF24-T Servo Module Assembly	
PROJECT # 130417-7	SHEET 1 OF 4	SCALE 1:2	SIZE B
DRAWING NUMBER 9630-20-EF9M EF24T		REVISION 06	

**MASTER MODULE
9121-EF9-M**



A



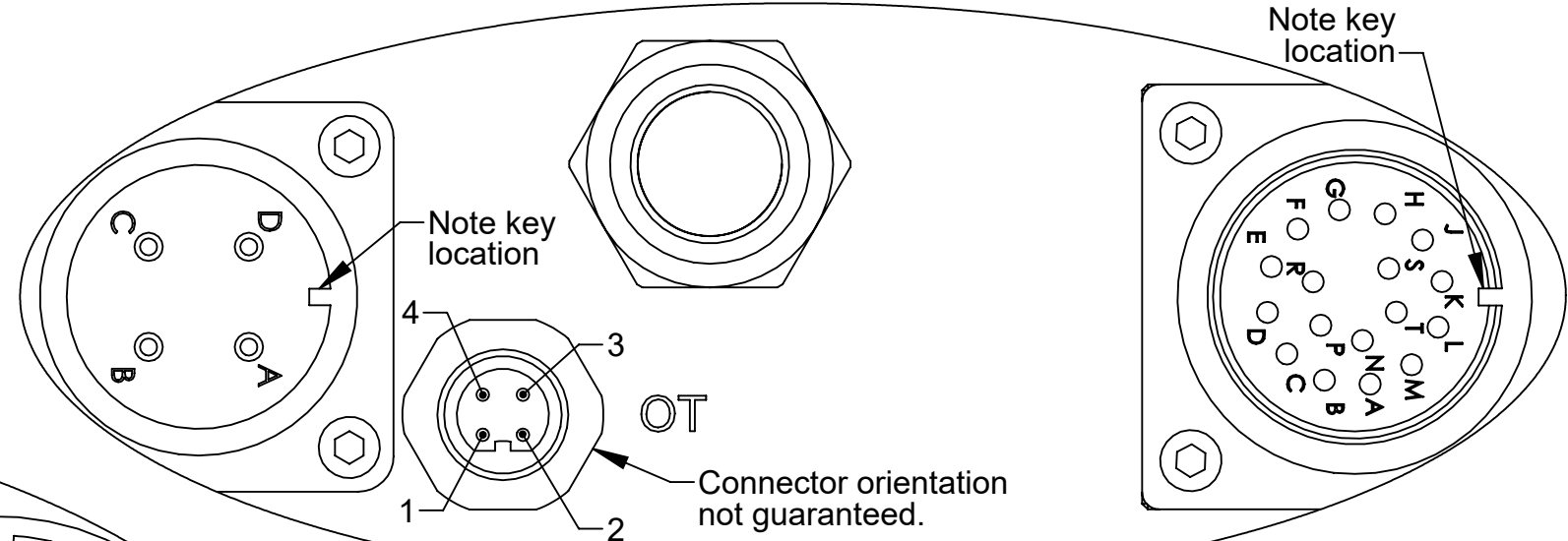
B

P1

OT

S1

Note key location



Note key location

4

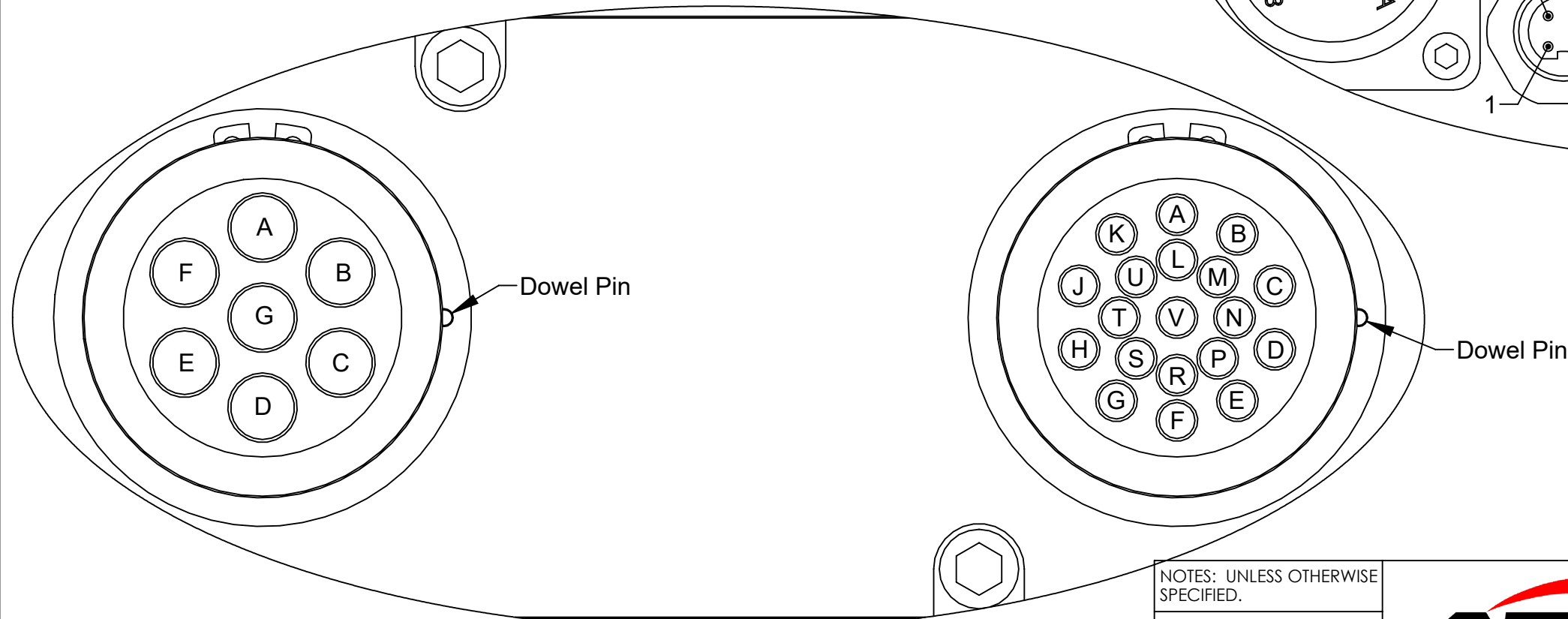
3

Connector orientation not guaranteed.

1

2

DETAIL B
SCALE 1.5 : 1



Dowel Pin

Dowel Pin

DETAIL A
SCALE 2 : 1

NOTES: UNLESS OTHERWISE SPECIFIED.

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3rd ANGLE PROJECTION

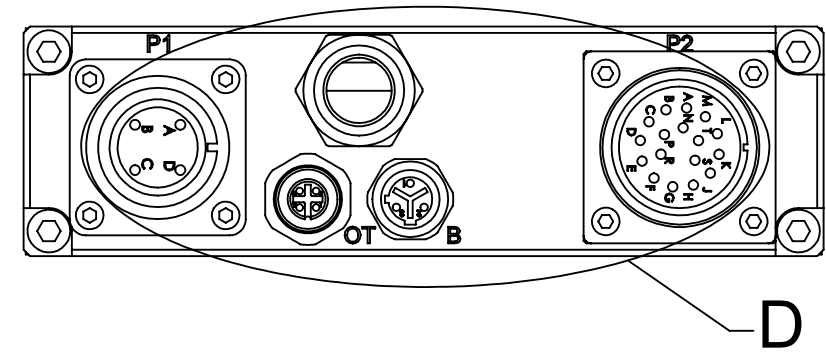
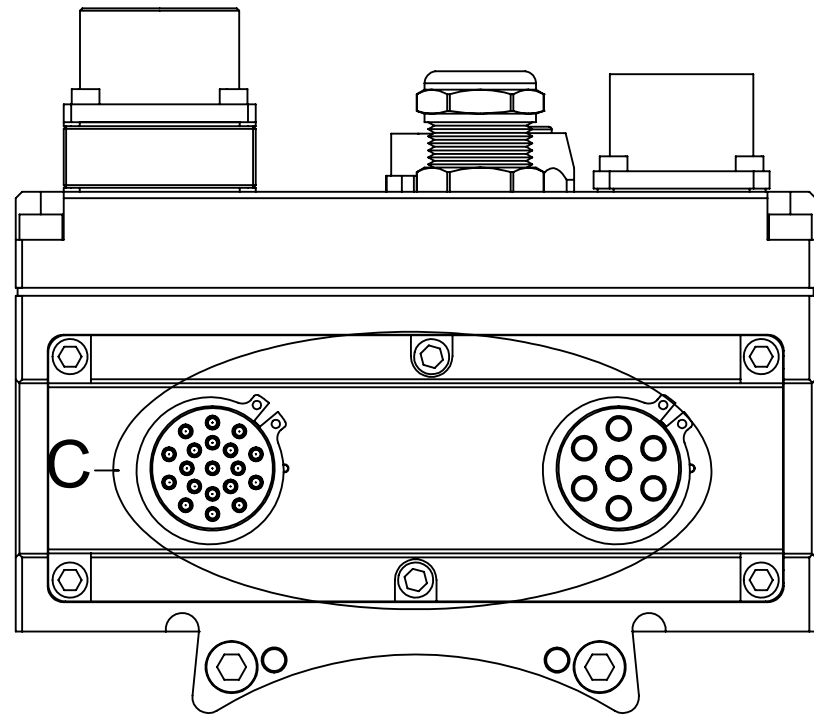


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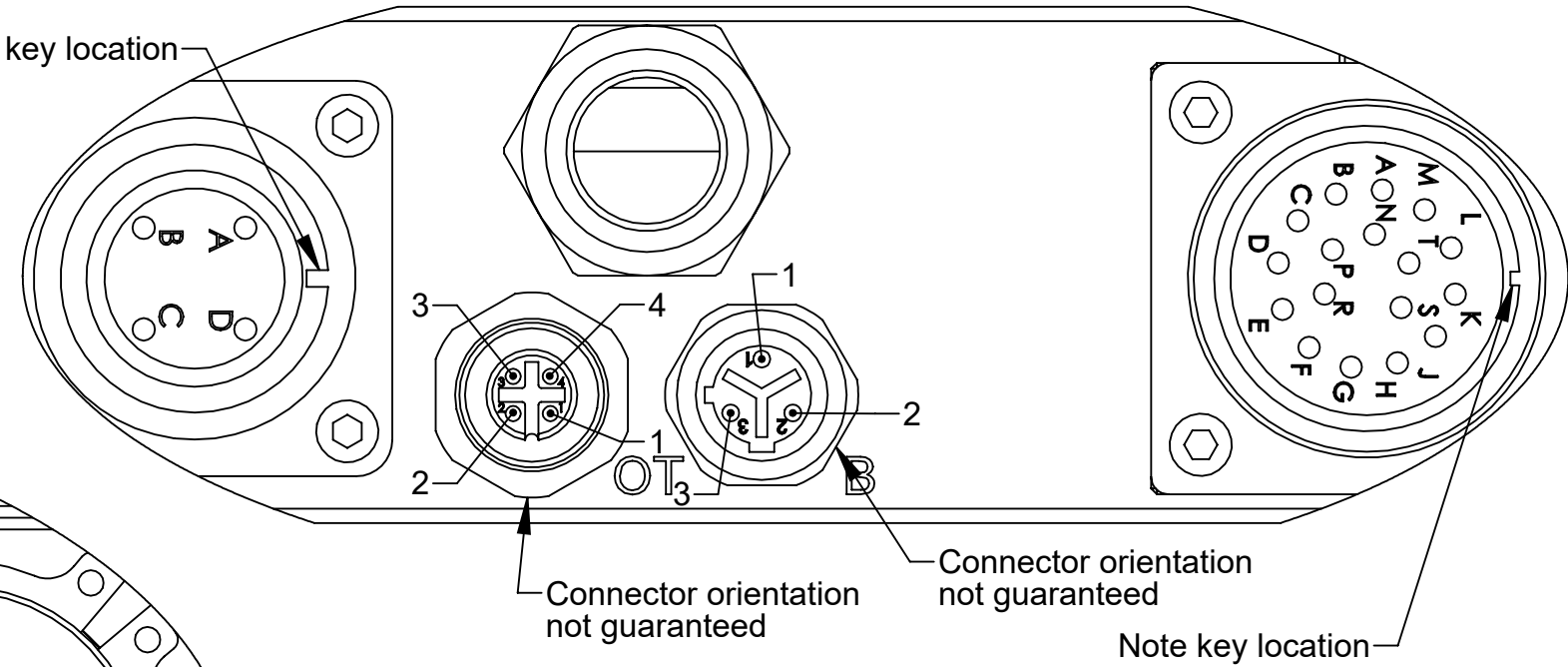
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CHECKED BY: B. Henderson, 4/19/13		EF9-M, EF24-T Servo Module Assembly		
PROJECT # 130417-7	SHEET 2 OF 4	SCALE 1:2	SIZE B	DRAWING NUMBER 9630-20-EF9M EF24T
				REVISION 06

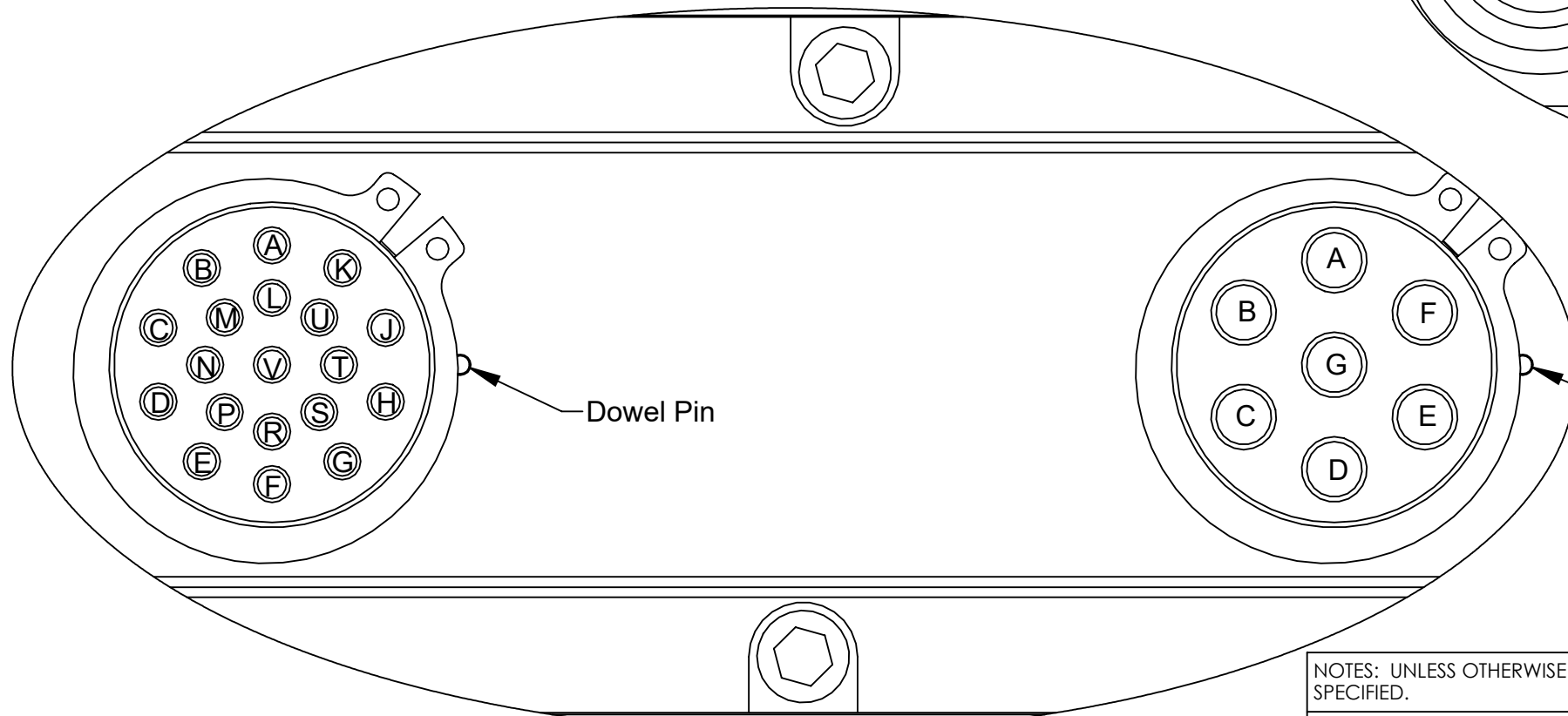
TOOL MODULE
9121-EF24-T



Note key location



DETAIL D
SCALE 1.5 : 1



DETAIL C
SCALE 2 : 1

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3rd ANGLE PROJECTION



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DRAWN BY: W. Berrocal, 4/19/13

CHECKED BY: B. Henderson, 4/19/13

TITLE

EF9-M, EF24-T Servo Module Assembly

PROJECT # 130417-7 SHEET 3 OF 4

SCALE
1:2

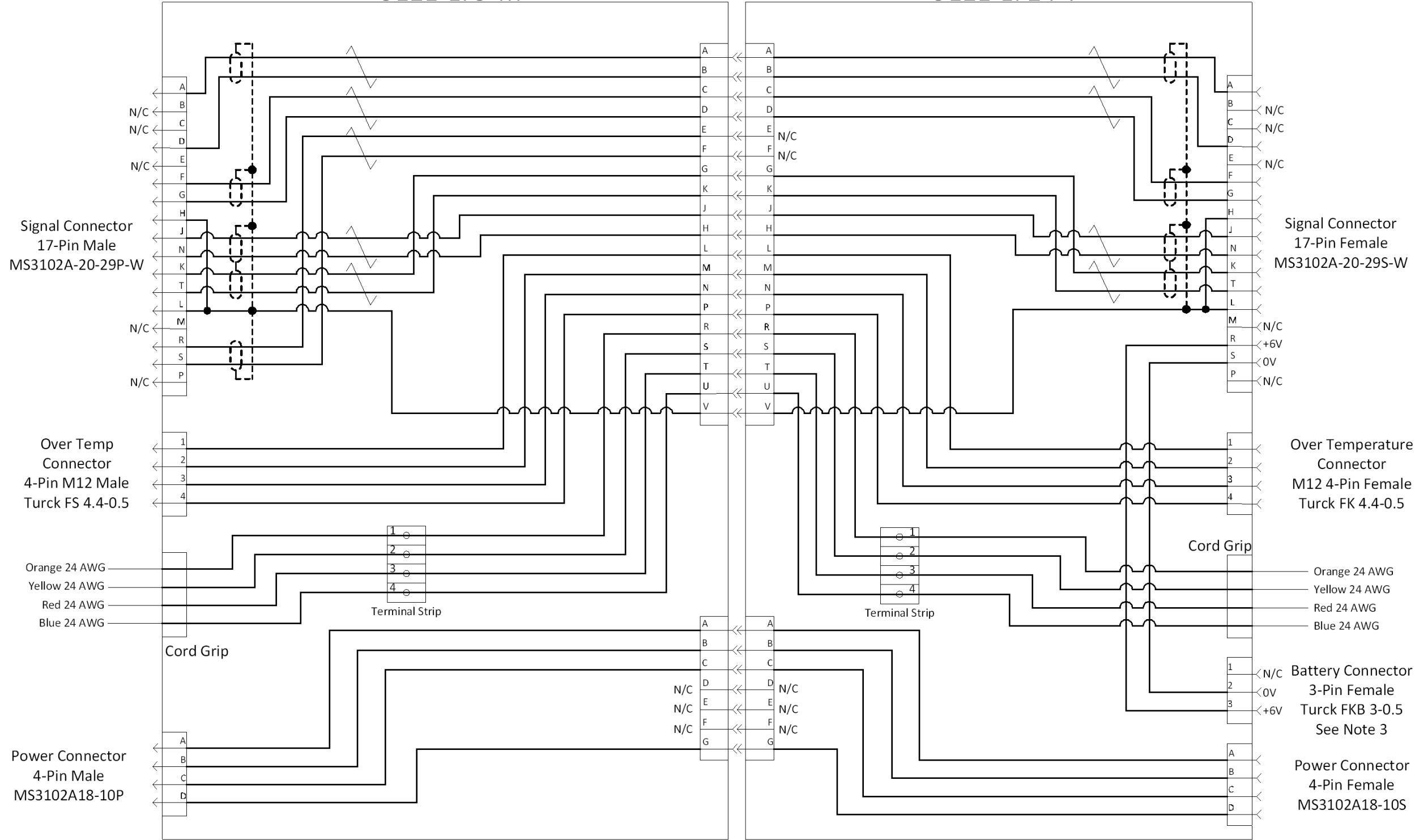
SIZE
B

DRAWING NUMBER
9630-20-EF9M EF24T

REVISION
06

9121-EF9-M

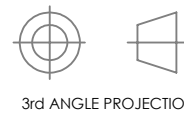
9121-EF24-T



- Notes:
1. A 4-Position terminal strip is provided on the Master and Tool for customer specific wiring.
 2. The Orange, Yellow, Red, Blue 24 AWG Wires are included with the module but can be removed at the discretion of the customer.
 3. A remotely mounted servo battery backup box is required to maintain the servo settings during periods when the tool is not in use. ATI 9005-20-1257 (not included) can be used for this purpose. ATI cable 9120-C-3UM-3UF-010 (not included) can be used to connect the EF24 Tool Module to the 9005-20-1257 battery backup box.

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3rd ANGLE PROJECTION



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DRAWN BY: W. Berrocal, 4/19/13		TITLE	
CHECKED BY: B. Henderson, 4/19/13		EF9-M, EF24-T Servo Module Assembly	
PROJECT # 130417-7	SHEET 4 OF 4	SCALE	SIZE
		1:2	B
DRAWING NUMBER		REVISION	
9630-20-EF9M EF24T		06	