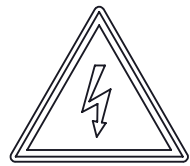
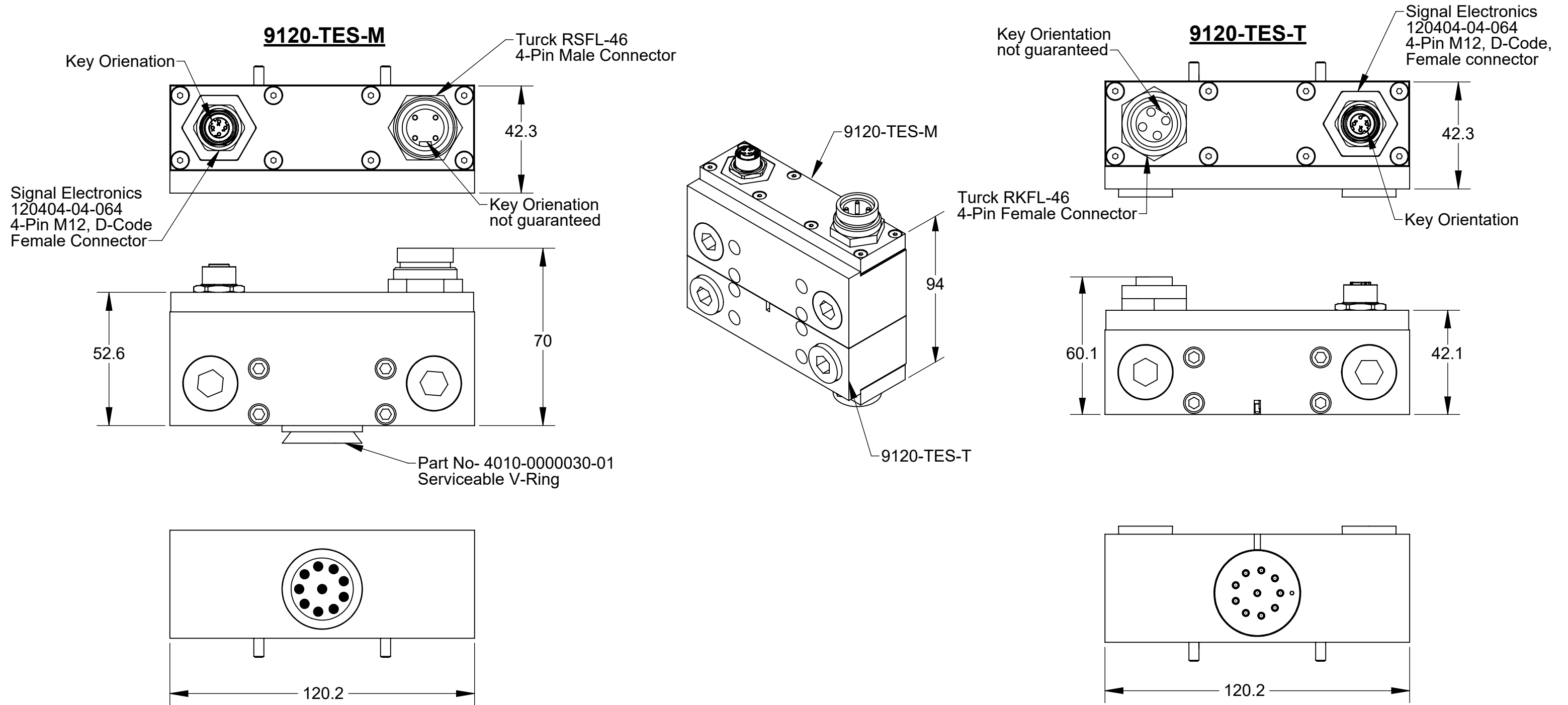


Rev.	Description	Initiator	Date
04	ECO 19835: Changed Ethernet M12-4 D-Coded Female Connector. 9120-TES-M: Dim. 70 was 70.1 & 52.6 was 52.7	TBC	7/13/2021



"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.

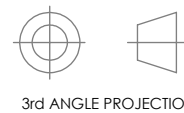


Notes:

1. Customer is to verify TES Master and Tool Module connector selection and orientation.
2. See Sheet 2 for detailed information regarding the 9120-TES-M Master Module Connectors and Pin Blocks.
3. See Sheet 3 for detailed information regarding the 9120-TES-T Tool Module Connectors and Pin Blocks.
4. See Sheet 4 for detailed TES Ethernet Pass Thru Module Electrical Schematic and Electrical Rating.
5. The TES Master and Tool Module uses Duro Neoprene Gaskets, Buna-N-Rubber Seals and Wall Nitrile Seals.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.



3rd ANGLE PROJECTION

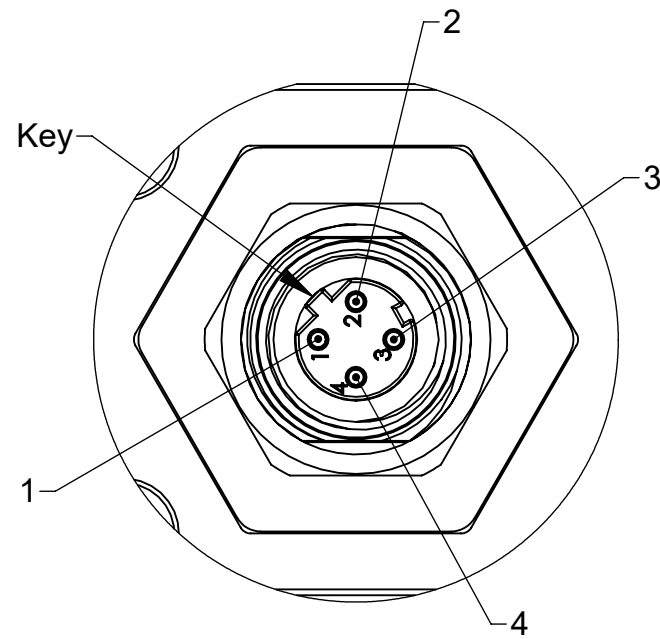
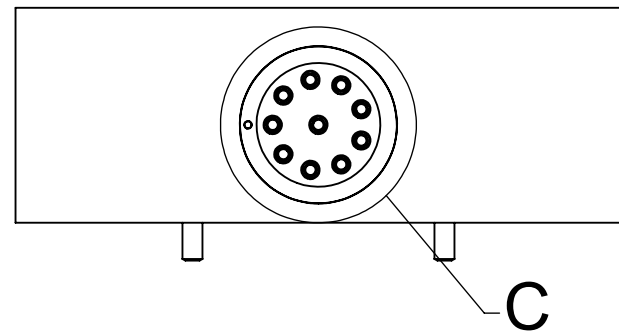
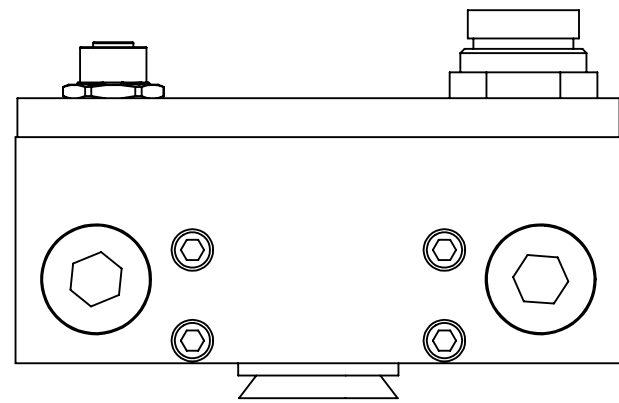
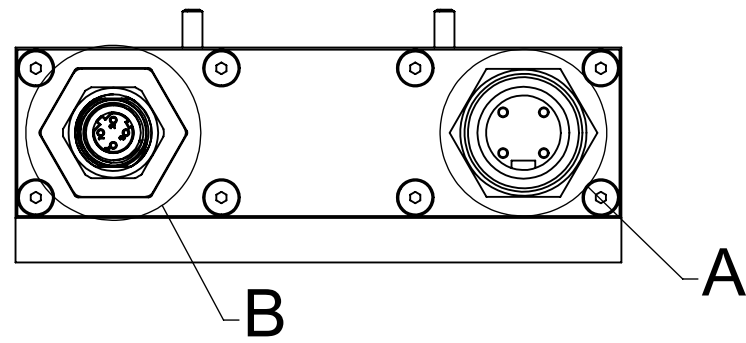


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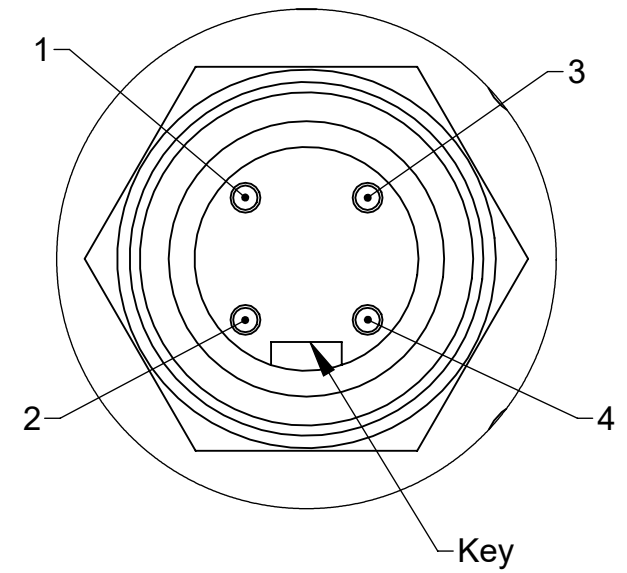
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DRAWN BY: V.Vavilikolane, 6/7/17		TITLE	
CHECKED BY: B.Smith 6/8/17 A.Strotzer, 6/8/17		TES EtherNet Pass-Through Module	
PROJECT # 170602-2	SHEET 1 OF 4	SCALE 1:2	SIZE B
		DRAWING NUMBER 9630-20-TES	REVISION 04

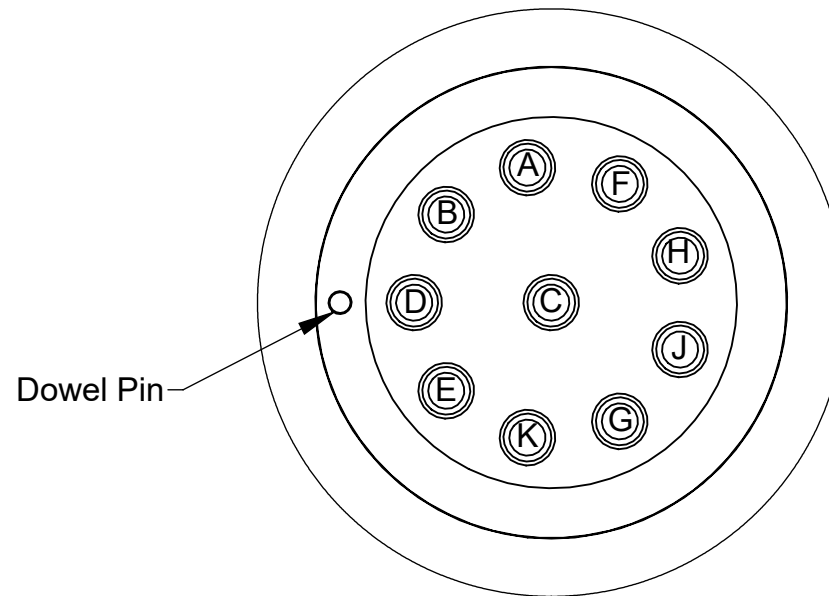
9120-TES-M



DETAIL B
SCALE 2 : 1
4-Pin M12, D-Code Female Connector



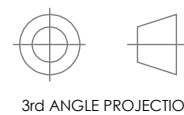
DETAIL A
SCALE 2 : 1
4-Pin Male Connector



DETAIL C
SCALE 2 : 1
10-Pin Block

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DRAWN BY: V.Vavilikolane, 6/7/17

CHECKED BY: B.Smith 6/8/17

A.Strotzer, 6/8/17

TITLE

TES EtherNet Pass-Through Module

PROJECT # 170602-2 SHEET 2 OF 4

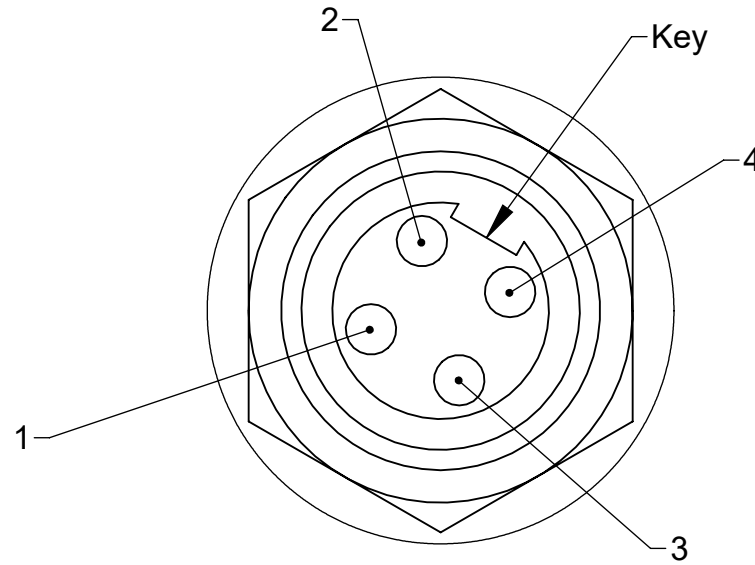
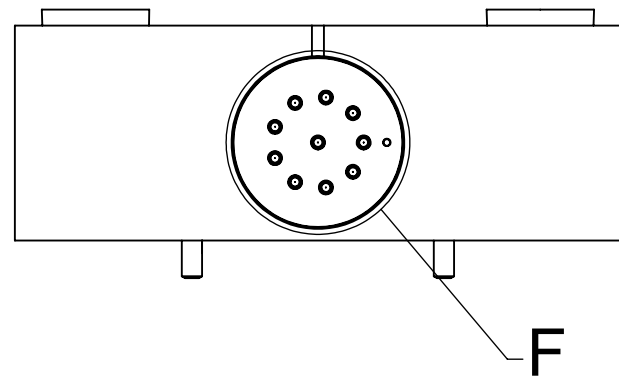
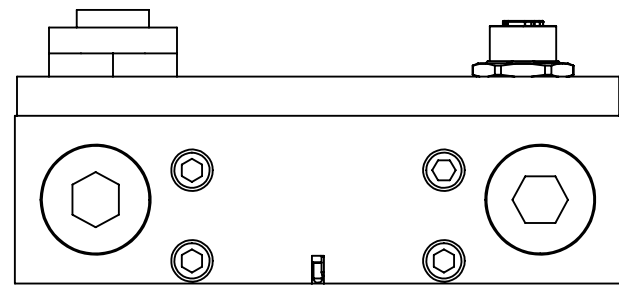
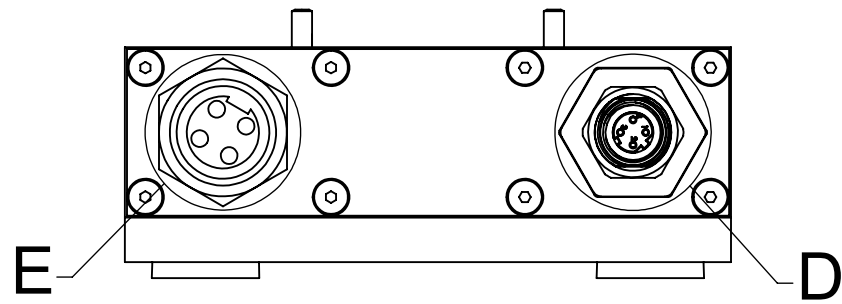
SCALE
1:1

SIZE
B

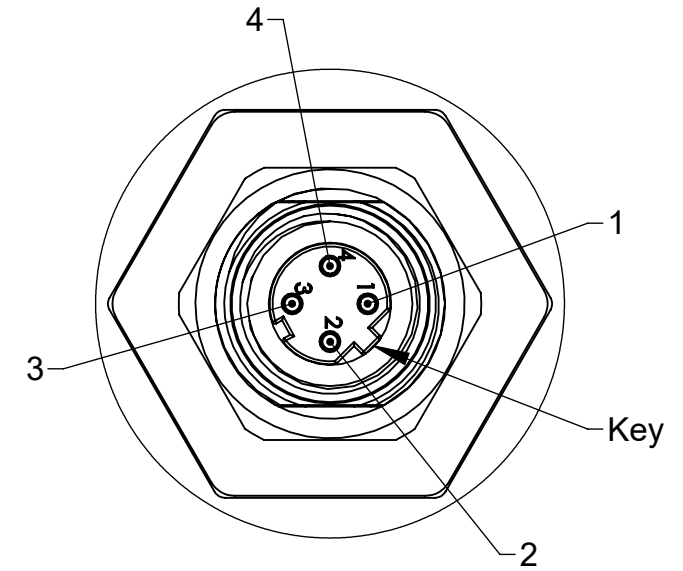
DRAWING NUMBER
9630-20-TES

REVISION
04

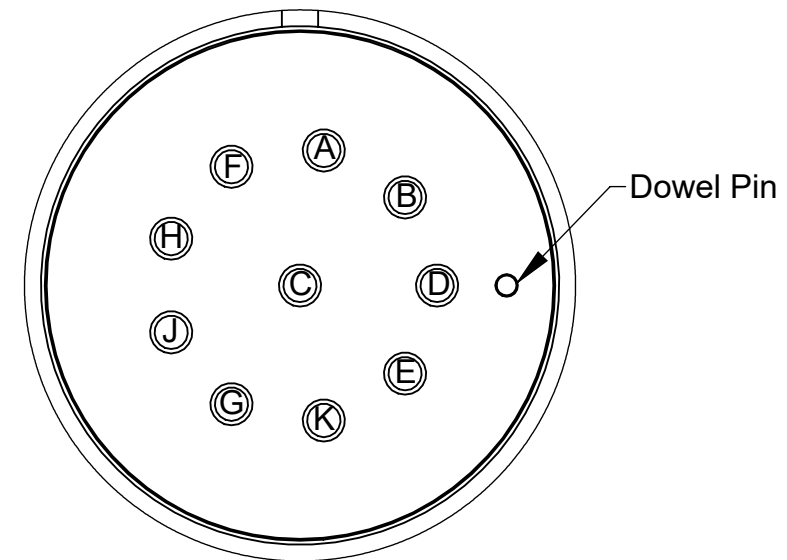
9120-TES-T



DETAIL E
SCALE 2 : 1
4-Pin Female Connector



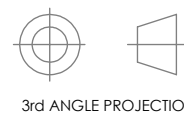
DETAIL D
SCALE 2 : 1
4-Pin M12, D-Code Female Connector



DETAIL F
SCALE 2 : 1
10-Pin Block

NOTES: UNLESS OTHERWISE SPECIFIED.

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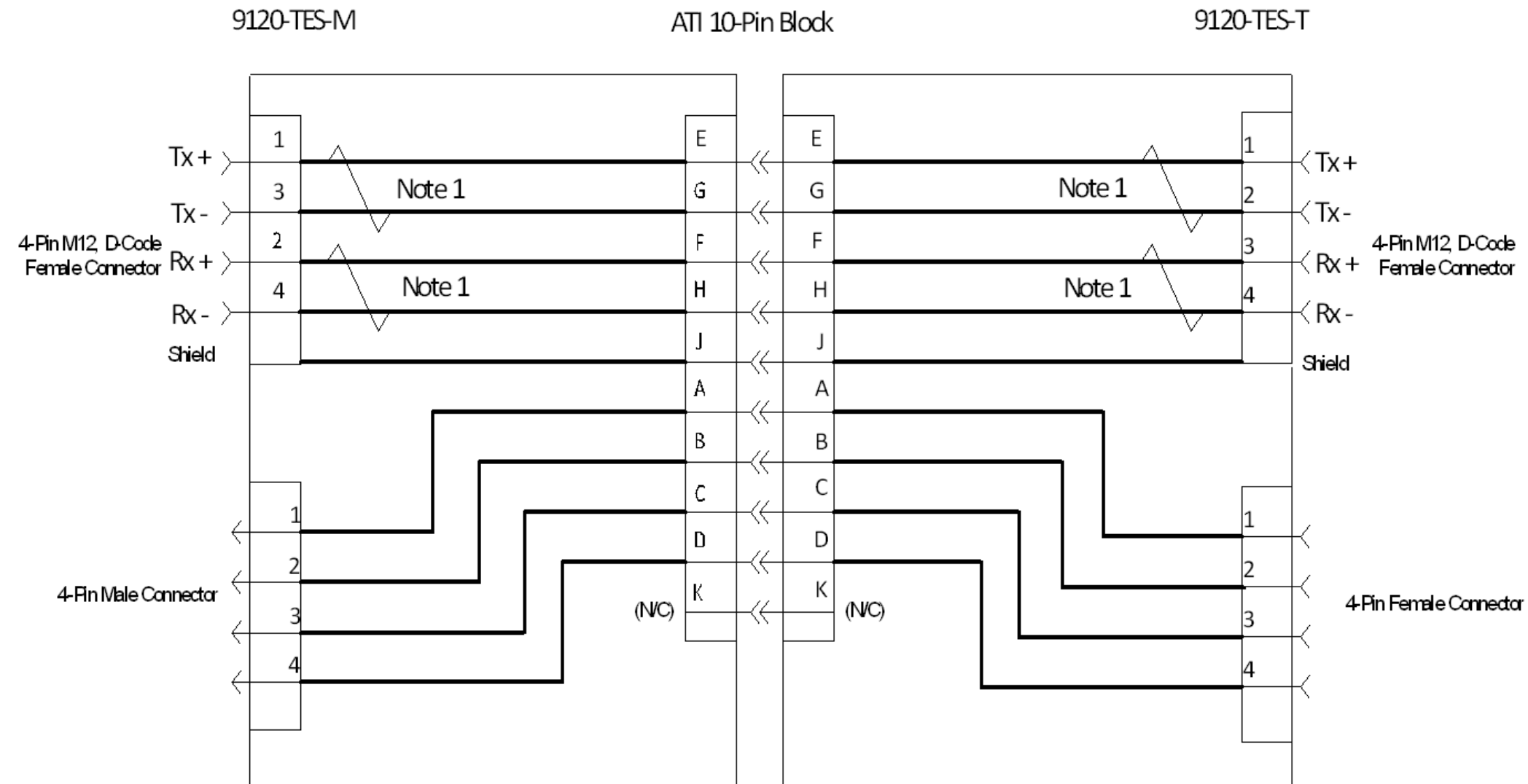
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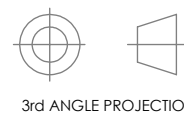
DRAWN BY: V.Vavilikolane, 6/7/17		TITLE		
CHECKED BY: B.Smith 6/8/17 A.Strotzer, 6/8/17		TES EtherNet Pass-Through Module		
PROJECT # 170602-2	SHEET 3 OF 4	SCALE 1:1	SIZE B	DRAWING NUMBER 9630-20-TES
				REVISION 04



- Notes:
1. The indicated wire pairs are twisted.
 2. Pin C- C of the 10-Pin Pinblock is first-to-mate, last-to-break.
 3. The rating for Signal Electronics 120404-04-064 connection pass-through is 2A, 60V.
 4. The rating for Turck RSFL-46 connection pass-through is 6A, 600V.

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CHECKED BY: B.Smith 6/8/17 A.Strotzer, 6/8/17		TES EtherNet Pass-Through Module	
PROJECT # 170602-2	SHEET 4 OF 4	SCALE 1:1	REVISION 04
SIZE B	DRAWING NUMBER 9630-20-TES		