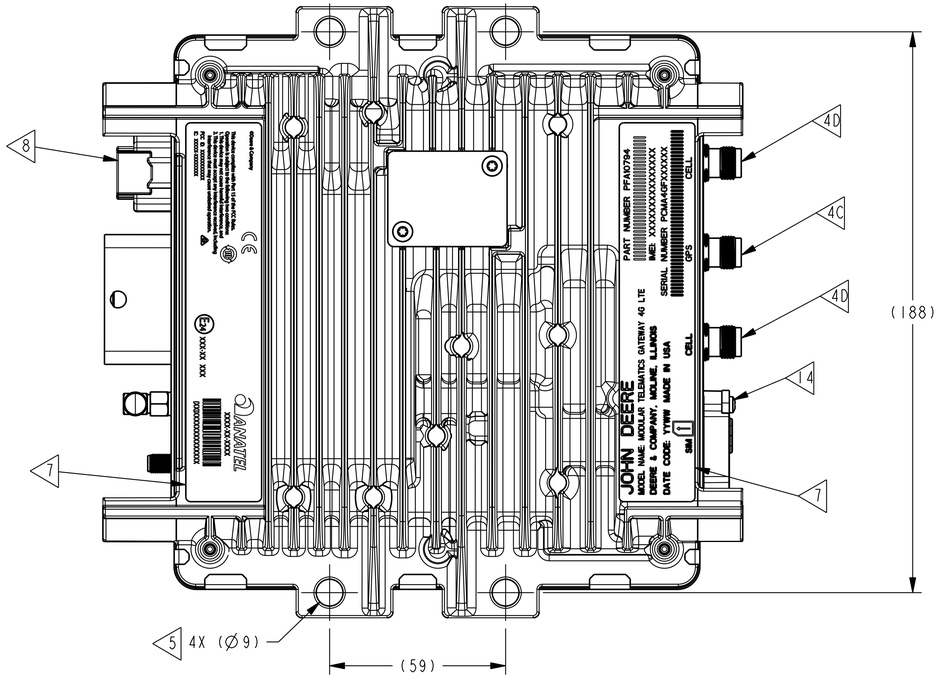
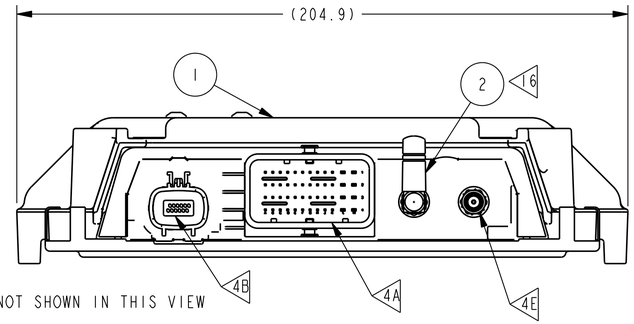
PART NUMBER	VERSION	SHEET	REV
PFAI0898	JD90	1/1	A

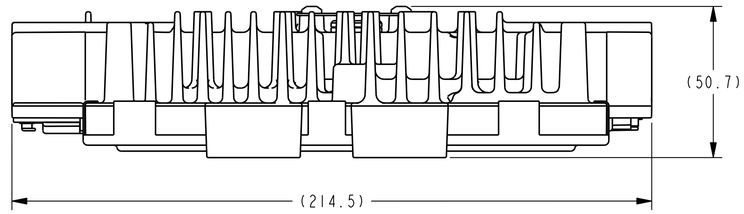
ZONE	SYM	DESCRIPTION	CHANGE DOC	DATE(YYYY-MM-DD)	APPROVED
zone	A1	NEW	506479PN	2015-12-09	RAVI PATIL

1. THIS DRAWING DESCRIBES THE CUSTOMER INTERFACE TO 4G LTE MTG WITH SOFTWARE AND ANTENNA
2. THE AUTHORITY FOR ASSEMBLY CONTENT IS THE RELEASED BILL OF MATERIAL (BOM). REFER TO THE BOM FOR ASSEMBLY CONTENT AND DETAIL PART NUMBER REVISION LEVEL.
3. THE AUTHORITY FOR EACH DETAIL PART IS THE DETAIL PART DRAWING. REFER TO THE DETAIL PART DRAWING AND DATASET (AS APPLICABLE) FOR COMPLETE DETAIL PART DEFINITION.
4. MATING CONNECTORS:
   A. MAIN CONNECTOR: MOLEX RECEPTACLE 98993 1319 (LEFT VERSION) OR 98993 3319 (RIGHT VERSION).
   B. ETHERNET CONNECTOR: HSAL2 12CKT SEALED.
   C. GPS CONNECTOR: REVERSE POLARITY TNC (FEMALE THREAD, FEMALE PIN) CONNECTOR
   D. GSM CONNECTOR: STANDARD POLARITY TNC (FEMALE THREAD, MALE PIN) CONNECTOR
   E. WI-FI CONNECTOR: MALE SMA CONNECTOR
5. THE CONTROLLER IS TO BE MOUNTED USING 8 MM OR 0.31 INCH HARDWARE. MAXIMUM MOUNTING TORQUE TO BE 25 N-m.
6. IF CONTROLLERS ARE STACKED, A MINIMUM OF 5 MM OF DISTANCE FROM COOLING FINS TO BOTTOM OF ADJACENT CONTROLLER IS NECESSARY. STACKING CONTROLLERS MAY AFFECT MAXIMUM OPERATING TEMPERATURE. CONSULT PHOENIX INTERNATIONAL BEFORE STACKING CONTROLLERS.
7. INDICATED LABEL IS FOR POSITION AND ORIENTATION REFERENCE ONLY.
8. SEALING CAP SHOULD BE INSTALLED INTO ETHERNET CONNECTOR AT ALL TIMES TO SEAL OUT DUST, UNLESS THERE IS AN ETHERNET HARNESS INSTALLED.
9. APPROXIMATE ASSEMBLY WEIGHT IS 1.04 KG (2.3 LBS).
10. CONTROLLER IS NOT TO BE MOUNTED WITH A CONNECTOR FACING UP WHICH MAY CAUSE MOISTURE TO COLLECT AROUND CONNECTOR.
11. THE CONTROLLER MUST BE MOUNTED TO PROTECT THE CONNECTOR FROM GRAVEL BOMBARDMENT.
12. THE CONTROLLER MUST BE MOUNTED AGAINST A SURFACE AT LEAST AS LARGE AS THE BACK COVER (FOR PROTECTION) IF THE CONTROLLER IS SUBJECT TO SPRAY WASH OR GRAVEL BOMBARDMENT.
13. OPERATING TEMPERATURE RANGE: -40°C TO 75°C AMBIENT AIR TEMPERATURE WITHIN 25MM OF THE FACE OF THE UNIT AND COOLING FINS AND HAVING A FREE FLOW OF AIR AROUND THE UNIT. STORAGE TEMPERATURE RANGE: -40°C TO 85°C.
14. MAXIMUM RECOMMENDED LED / SIM COVER SCREW INSTALLATION TORQUE: 0.56 N-m (5 IN-LBS).
15. 100 mm MINIMUM CLEARANCE NEEDED TO CONNECT MATING HARNESSES.
16. ANTENNA INSTALLATION NOTES:
   -TORQUE SMA CONNECTOR ON THE ANTENNA- PFAI0884 TO 8" lbs MIN
   -ORIENT ANTENNA- PFAI0884 APPRX. AS SHOWN.





ETHERNET CAP NOT SHOWN IN THIS VIEW



ITEM	PART NUMBER	DESCRIPTION	QTY
1	PFAI0794	ELECTRONIC CONTROL UNIT	1
2	PFAI0884	ANTENNA	1

CONFIDENTIAL AND PROPRIETARY TO DEERE & COMPANY. UNAUTHORIZED USE, DISCLOSURE, OR REPRODUCTION PROHIBITED. COPYRIGHT © DEERE & COMPANY. ALL RIGHTS RESERVED.

MATERIAL

ORIGINATOR: BRADY W GRIES
ORIGINATION DATE: 2015-11-02 | REFERENCES: JDS-G113 | METRIC
NAME: ELECTRONIC CONTROL UNIT ASSEMBLY, MTG 4G LTE, US+, WITH WI-FI MIMO ANTENNA
DEERE & COMPANY MOLINE, ILLINOIS 61265
PART NUMBER: PFAI0898

SCALE	SIZE	CAGE CODE	VERSION	SHEET	REVISION
1.000	D		JD90	1/1	A

MODEL RL	MODEL REV	DRW REV	DRW RL
Design	A.4	A.4	Design

PART NUMBER PFAI0898 | VERSION JD90 | SHEET 1/1 | REV A