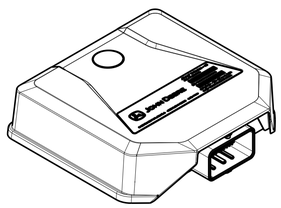
PART NUMBER	VERSION	SHEET	REV
PH85244422	JD90	1/1	J

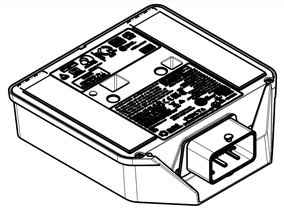
ZONE	SYM	DESCRIPTION	CHANGE DOC	DATE(YYYY-MM-DD)	APPROVED
-	J1	BOM STRUCTURE CHANGE, NO CHANGE TO DWG	2736171PH	2022-11-16	TRENT W. MOHL

CONNECTOR TABLE 4

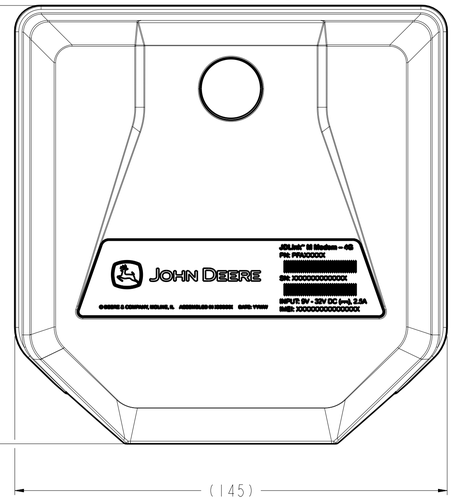
PIN NUMBER	SIGNAL NAME
MATING CONNECTOR	CMC RECEPTACLE 48 CIRCUITS, BROWN CODING
TERMINAL FINISH	TIN
A1	RS232 RX - SATELLITE
A2	RS232 TX - SATELLITE
A3	RESERVED
A4	RESERVED
B1	RESERVED
B2	RESERVED
B3	RESERVED
B4	RESERVED
C1	RESERVED
C2	RESERVED
C3	RS232 RX_DEBUG
C4	RS232 TX_DEBUG
D1	RESERVED
D2	RESERVED
D3	RESERVED
D4	RESERVED
E1	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
E2	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
E3	RESERVED
E4	ETHERNET +
F1	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
F2	RESERVED
F3	RESERVED
F4	ETHERNET -
G1	CAN1_H
G2	CAN1_L
G3	RESERVED
G4	RESERVED
H1	CAN0_H
H2	CAN0_L
H3	RESERVED
H4	RESERVED
J1	RESERVED
J2	RESERVED
J3	WAKE INPUT (SECONDARY)
J4	RESERVED
K1	RESERVED
K2	RESERVED
K3	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
K4	ANALOG INPUT 0 - IMPLEMENT BATTERY DETECT
L1	IGNITION SIGNAL INPUT- KEY SWITCH WAKE INPUT
L2	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
L3	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
L4	PCB GROUND - DO NOT CONNECT TO CHASSIS GROUND
M1	MAIN BATTERY GROUND
M2	MAIN BATTERY POWER +
M3	WAKE OUTPUT 1 - SATELLITE
M4	WAKE OUTPUT 2 - ETHERNET SWITCH

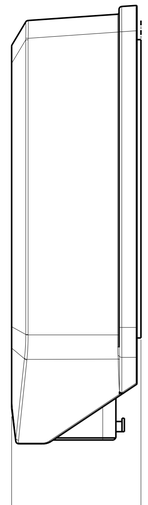


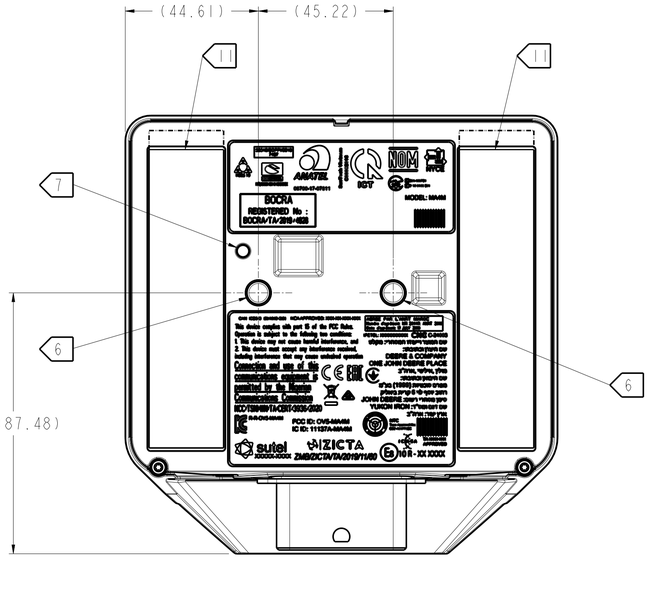
VIEW FOR REFERENCE ONLY
SCALE 1:2

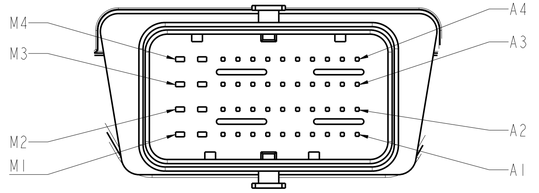


VIEW FOR REFERENCE ONLY
SCALE 1:2

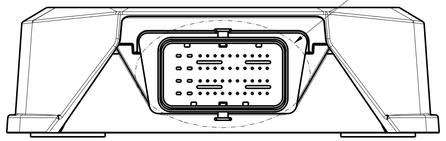








DETAIL A
SCALE 2:1



1. 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.
2. 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.
3. ALL DIMENSIONS ARE FOR REFERENCE ONLY, SEE DETAIL PART NUMBERS FOR DETAIL DIMENSIONS AND TOLERANCES.
4. SEE CONNECTOR TABLE FOR MATING CONNECTOR AND PINOUT INFORMATION.
5. (REMOVED)
6. INDICATED HOLES ARE DESIGNED FOR SELF-THREADING M8 FASTENERS AS AN OPTIONAL METHOD TO MOUNT THE UNIT. IF USING THESE FEATURES, IT IS RECOMMENDED THAT A TORQUE STUDY IS COMPLETED FOR EACH SPECIFIC APPLICATION TO ENSURE THE UNIT IS PROPERLY SECURED. MAXIMUM SCREW DEPTH IS 16 mm
7. UNIT MUST BE MOUNTED WITH PLASTIC COVER ORIENTED UP (TOWARD THE SKY) AND UNOBSTRUCTED BY ANY METALLIC OBJECTS. MOUNT UNIT SUCH THAT VENT HOLE ON BOTTOM OF UNIT IS PROTECTED FROM DIRECT SPRAY.
8. THIS ELECTRONIC ASSEMBLY IS DESIGNED TO MEET THE ENVIRONMENTAL REQUIREMENTS STATED IN THE PRODUCT REQUIREMENTS DOCUMENT ONLY AFTER IT HAS BEEN INSTALLED ON THE VEHICLE. THE PACKAGING USED FOR SHIPPING AND STORAGE IS NOT ADEQUATE TO PROTECT THE ELECTRONIC ASSEMBLY TO THESE SAME ENVIRONMENTAL REQUIREMENTS. THIS PRODUCT MUST BE STORED IN ITS ORIGINAL SHIPPING PACKAGE AND AWAY FROM DIRECT EXPOSURE TO MOISTURE AND SUNLIGHT UNTIL IT IS ASSEMBLED ON THE VEHICLE.
<CC> 9. COMPLIANCE WITH EUROPEAN REGULATION 1907/2006 (EU REACH), INCLUDING ITS ANNEX XVII BAN OF CERTAIN SUBSTANCES AND DISCLOSURE OF SUBSTANCES OF VERY HIGH CONCERN ARE REQUIRED FOR THIS PART.
10. <CC> PER JDS-G266.
11. FOR ADHESIVE APPLICATION, REFER TO 3M VHB 5962 DATASHEET FOR RECOMMENDED INSTALLATION PROCEDURE. FOR BEST RESULTS, MOUNTING SURFACE SHALL BE CLEAN AND FLAT. APPLY FIRM PRESSURE TO THE UNIT IN ORDER TO ESTABLISH A STRONG ADHESIVE BOND.
12. THE UNIT MUST REMAIN ELECTRICALLY ISOLATED FROM ANY BRACKET, PLATE, OR OTHER CONDUCTIVE MOUNTING SURFACE. IF USING M8 SCREWS TO MOUNT, A NON-CONDUCTIVE WASHER OR BUSHING (SIMILAR TO L63735 OR M91200, FOR EXAMPLE) MUST BE USED TO ISOLATE SCREWS FROM ANY CONDUCTIVE MATING SURFACE.

PRELIMINARY
20221213
DO NOT MANUFACTURE
PARTS USING THIS DRAWING

MATERIALS PER JDM H31

INTERFACE DRAWING

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MATERIAL: SEE DETAILS

ORIGINATOR: TRENT W. MOHL
ORIGINATION DATE: 2021-06-09 | REFERENCES: JDS-G113 | METRIC
NAME: MODULE TELEMATICS JDLink™ M MODEM
DEERE & COMPANY
MOLINE, ILLINOIS 61265
PART NUMBER: PH85244422

SCALE: 1:1 | SIZE: D | CAGE CODE | VERSION: JD90 | SHEET: 1/1 | REVISION: J

MODEL RL	MODEL REV	DRW REV	DRW RL	(MASS KG)
Completed	J.3	J.6	Completed	(0.514)

PART NUMBER: PH85244422 | VERSION: JD90 | SHEET: 1/1 | REV: J