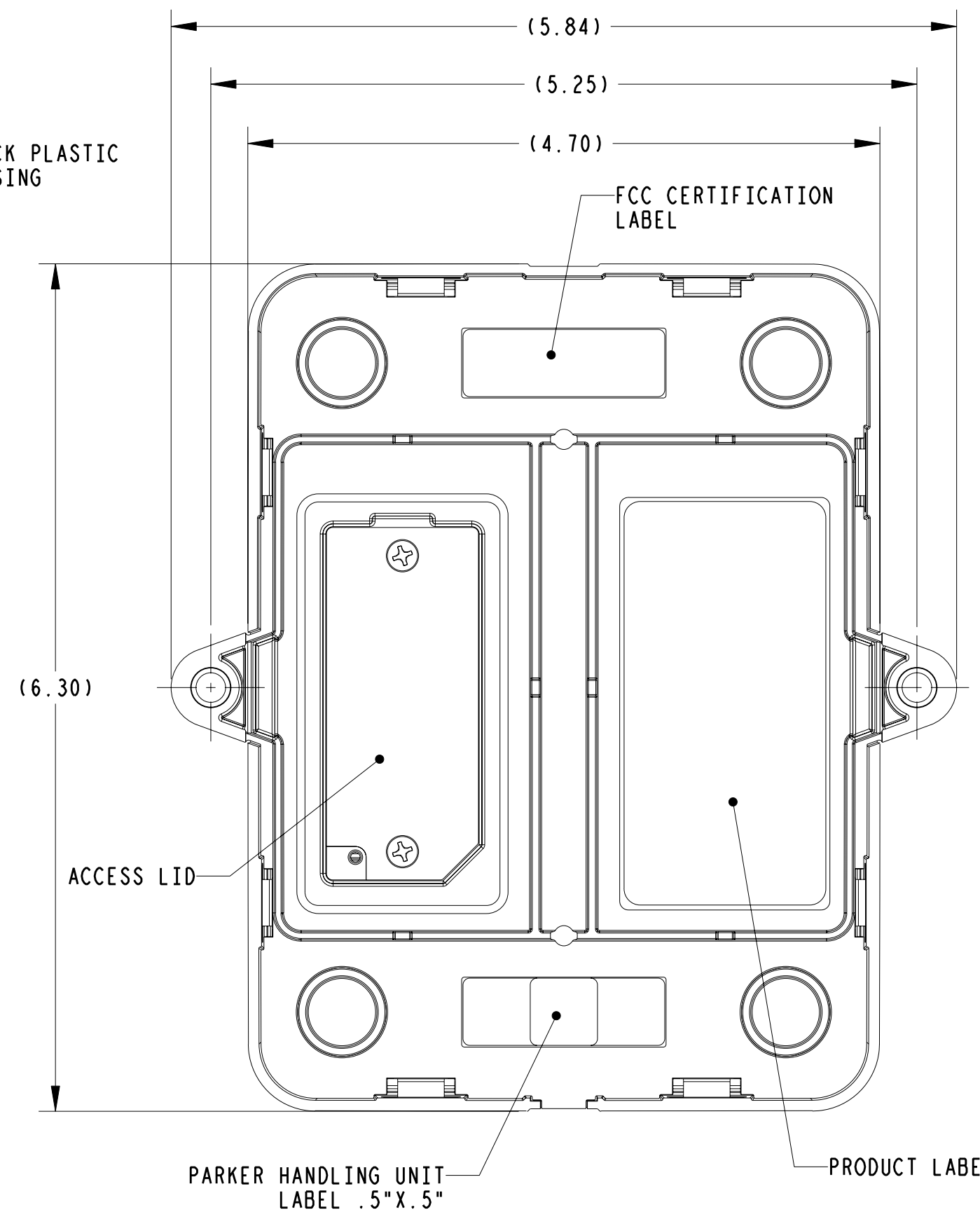
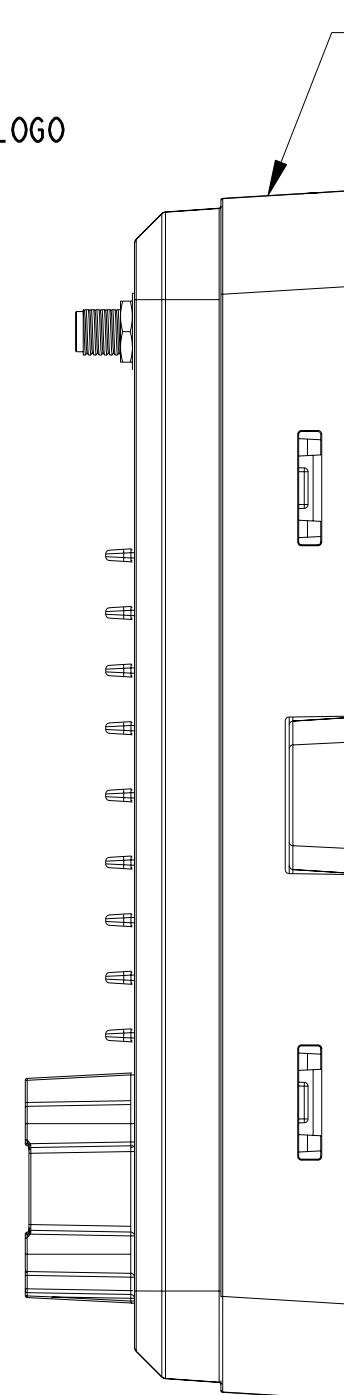
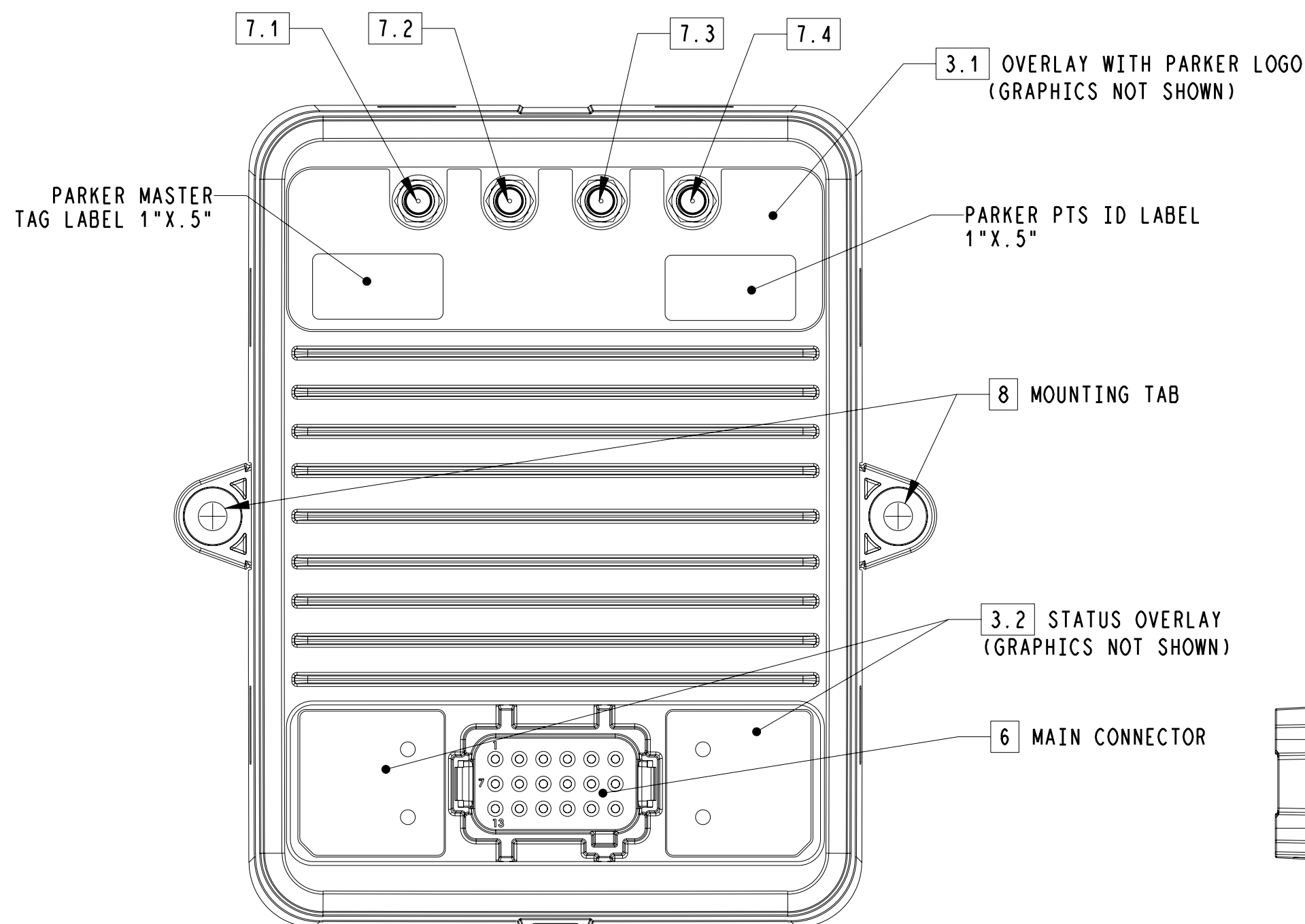
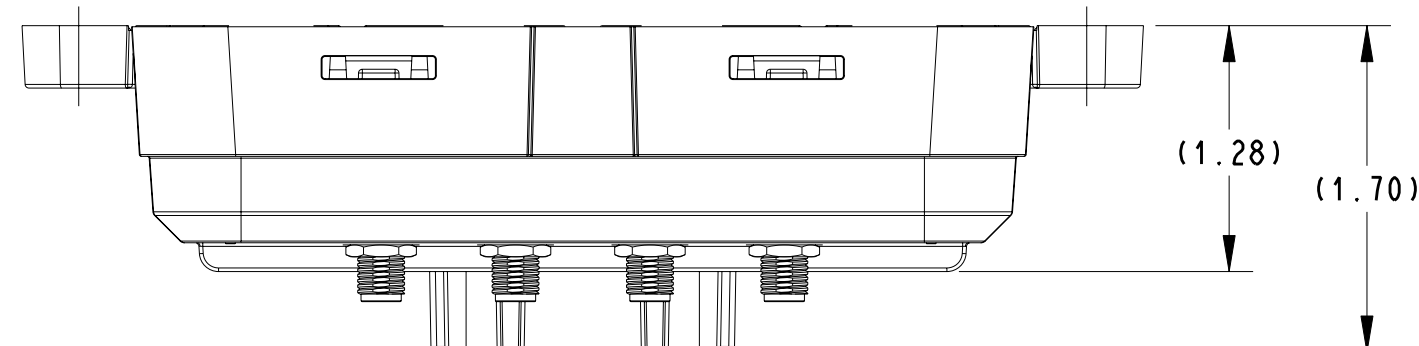


ISS	ECO	BY	CHK	DATE
A	—	—	—	—
B	66871	CJP	CJP	2020-02-07
C	67946	DWB	RNN	2021-10-27



NOTES:

1. PRODUCT DESCRIPTION:
PARKER MSG MOBILE IoT WIRELESS GATEWAY WITH GPS, 4G CELLULAR, AND 802.11 WiFi CAPABILITIES.

2. PARKER FINAL ASSEMBLY BOM DESCRIPTION:

2.1 VA 1068001	2.6 VA 1068006	2.11 VA 1068015
2.2 VA 1068002	2.7 VA 1068007	
2.3 VA 1068003	2.8 VA 1068008	
2.4 VA 1068004	2.9 VA 1068009	
2.5 VA 1068005	2.10 VA 1068011	

NOTE THAT THESE ASSEMBLIES ONLY DIFFER REGARDING THE DATA PLAN ASSOCIATED WITH THE INSTALLED SIM CARD.

3. GRAPHIC OVERLAY FEATURES:
3.1 SEE OVERLAY DRAWING 195-06-718.
3.2 TWO STATUS OVERLAYS INCLUDE CIRCULAR WINDOWS FOR VIEWING STATUS LEDS.

4. SOFTWARE REVISION:
SOFTWARE AND SOFTWARE UPDATES ARE TO BE PROVIDED BY PARKER IoT.

5. PRODUCT MASS: TO BE DETERMINED.

6 MAIN CONNECTOR: USE DEUTSCH PLUG DT16-18SA-K004 FOR MATING CONNECTOR. SEE PIN-OUT TABLE ON SHEET 2.

7. EXTERNAL RF ANTENNA CONNECTORS:
7.1 GPS: USE SMA FOR MATING CONNECTOR.
7.2 CELL D: USE SMA FOR MATING CONNECTOR.
7.3 CELL M: USE SMA FOR MATING CONNECTOR.
7.4 WiFi: USE RP-SMA FOR MATING CONNECTOR.

8 MOUNTING INFORMATION:
8.1 IMPERIAL: USE #10-32 OR #10-24 BOLT (2X), TORQUED BETWEEN 25 AND 35 in-lbf.
8.2 METRIC: USE M5 BOLT (2X), TORQUED BETWEEN 2.8 AND 4 N-m.

THE MOUNTING DETAILS SHOWN IN THIS DRAWING ARE SUGGESTIONS ONLY. THE CUSTOMER IS RESPONSIBLE FOR DETERMINING SUITABLE MOUNTING PANEL GEOMETRY, MOUNTING PANEL MATERIALS, FASTENERS AND FASTENER TORQUE VALUES, AS REQUIRED FOR THEIR APPLICATION.

9 ACCESS LID:
USED TO INSTALL/REPLACE SIM CARD. TO MAINTAIN IP RATING THE TWO LID SCREWS MUST BE TORQUED TO 4 in-lbf. MACHINE SCREW TYPE IS #4-40 X .25" LONG, PHILLIPS 82° FLAT HEAD, STAINLESS STEEL.

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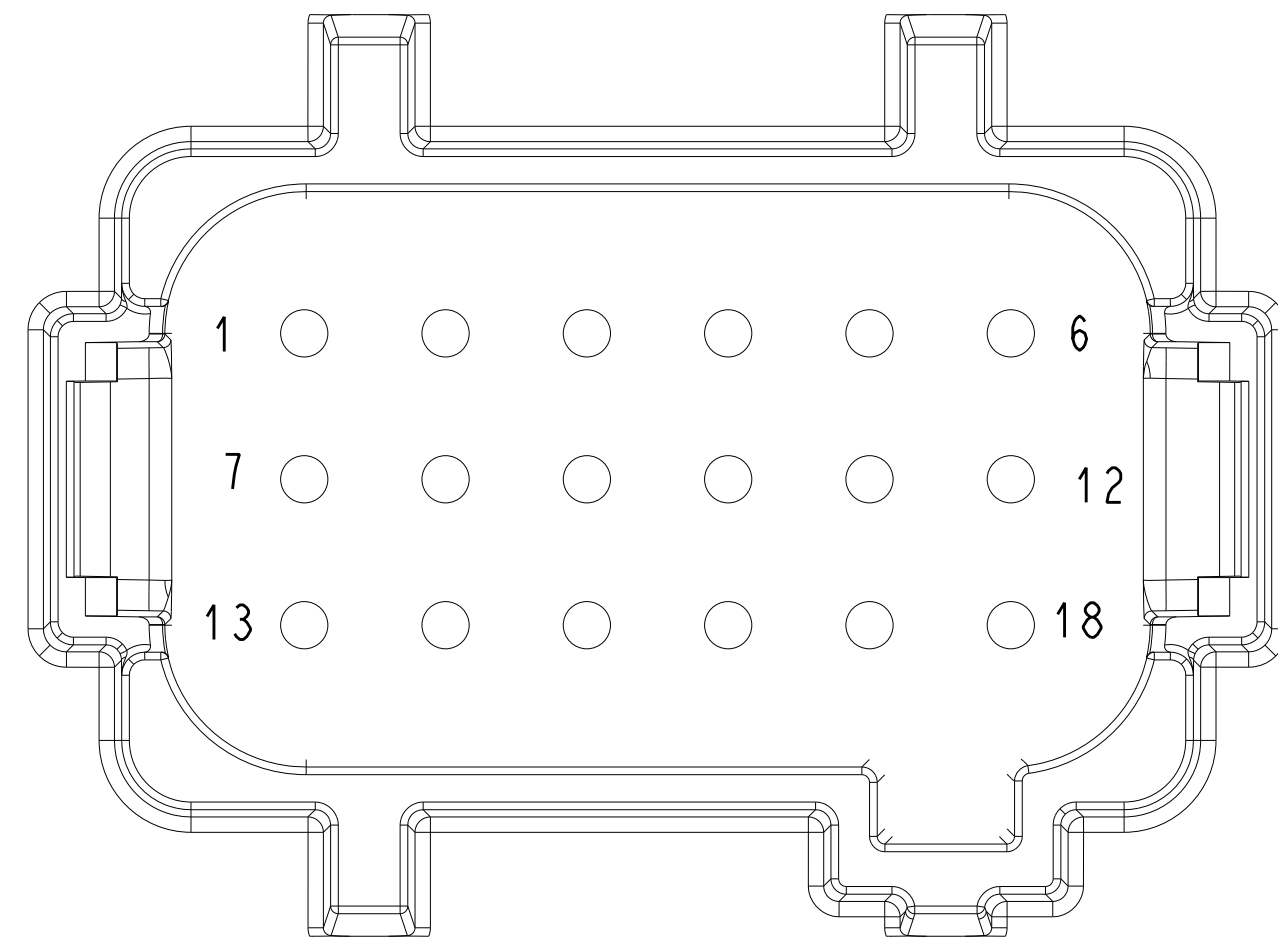
REV	ECO	BY	CHK	DATE

TOLERANCES (UNLESS NOTED)
= ±
= ±
= ±
ANGLES = ±°

DSGN: N/A	DATE: N/A
DWN: R.MILLER	DATE: 2018-07-11
CHK: D.BARTON	DATE: 2018-07-12
APVD: N/A	DATE: N/A

Parker Vansco		ELECTRONIC CONTROLS DIVISION WINNIPEG, MB, CANADA	
TITLE: PARKER MSG IoT GATEWAY 4G PRODUCT DATA DRAWING			
SAP: N/A	DWG NO: 1068B01	REV: 00	ISS: C
UNITS: INCH	SCALE: 1.0	SHEET SIZE: C	SHEET 1 OF 2
Creo FILE: 1068B01.DRW Ver: 00.3 Rel: Released			

THIRD ANGLE PROJECTION



MAIN CONNECTOR PIN NUMBERS
SCALE 4.000

MAIN CONNECTOR PIN-OUT TABLE 6

PIN #	FUNCTION
1	ETHERNET TXN
2	ETHERNET TXP
3	ETHERNET RXN
4	ETHERNET RXP
5	BATTERY (-) MODULE
6	UNSWITCHED BATTERY (+) MODULE
7	CAN1-H
8	CAN1-L
9	CAN2-H
10	CAN2-L
11	KEYSWITCH (+)
12	INPUT STB/STG/VTD (0 TO 5.66V)
13	USB POWER
14	USB DM (D-)
15	USB DP (D+)
16	USB ID (OTG)
17	USB GROUND
18	150mA SINKING OUTPUT

SAP:	DWG NO:	REV:	ISS:
N/A	1068B01	00	C
UNITS: INCH	SCALE: 1.0	SHEET SIZE: C	SHEET 2 OF 2
Creo FILE: 1068B01.DRW Ver: 00.3 Rel: Released			