

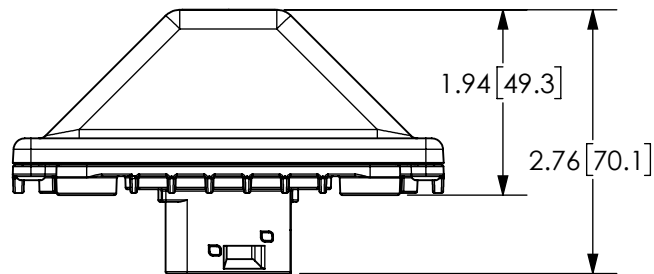
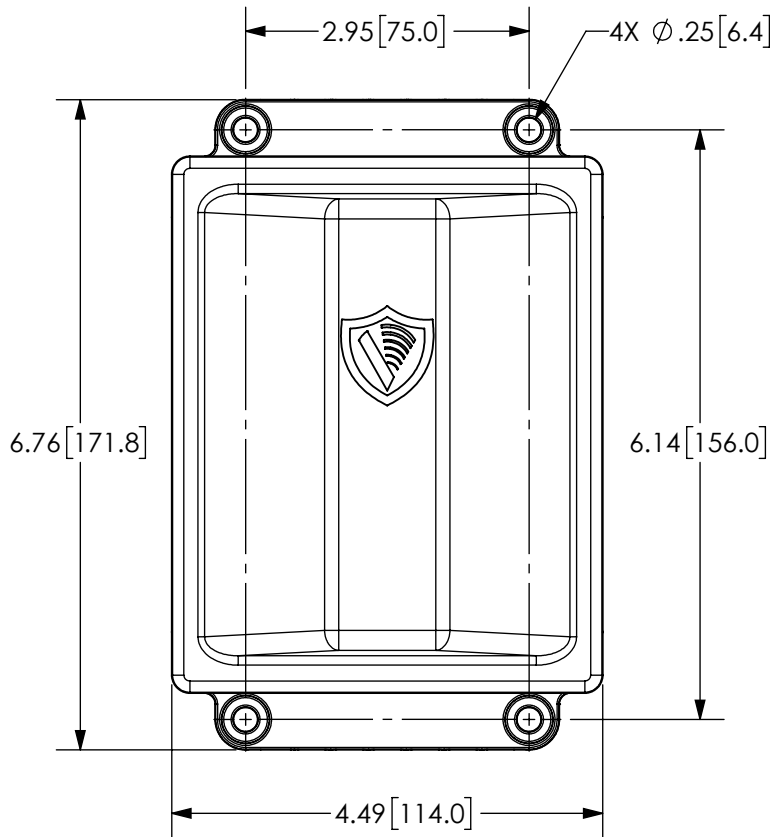
D

C

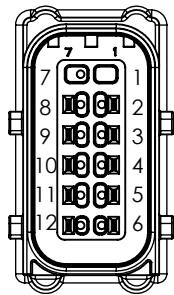
B

A

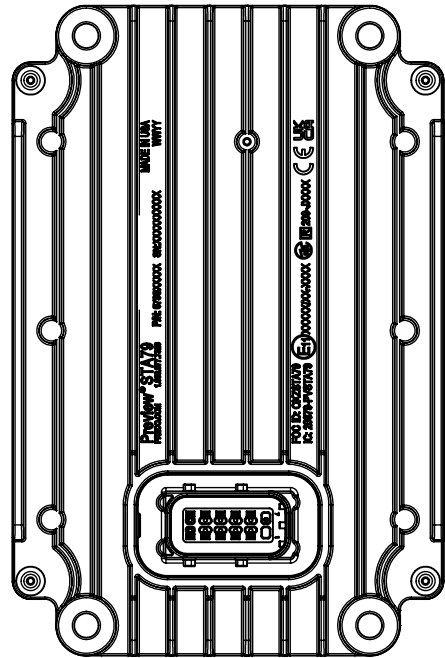
- NOTES:
1. Torque mounting hardware to 22 in-lb [2.5 Nm] maximum.
 2. Marking is laser engraved on the back of the sensor.



CONNECTOR PINOUT	
PIN	DESCRIPTION
1	NOT USED
2	AUXILIARY OUTPUT (ACTIVE LOW)
3	CAN2 HIGH
4	CAN1 HIGH
5	KL15 INPUT
6	BATTERY POWER INPUT (+)
7	NOT USED
8	TRIGGER INPUT
9	CAN2 LOW
10	CAN1 LOW
11	DISPLAY POWER OUTPUT (+)
12	GROUND



CONNECTOR END VIEW
TE GET64, HDSCS 12 PIN
SCALE 1:1



EXPERIMENTAL

2

ZONE	REV.	REVISION DESCRIPTION	ECO NO.	DATE
	1	1ST ISSUE; TB	ECO-555432	20-JUL-2023
	2	2ND ISSUE; TB	ECO-589992	31-JAN-2024

MODEL NUMBER:
Sensata Model Number: TBD

OBJECT DETECTION:
Azimuth FoV: 180° (± 90°)
Vertical FoV: 7° (± 3.5°)
Detection Length From Side: STA Mode = 5 m, LCA Mode = 3 m
Detection Range to Front of Vehicle: Configurable up to 10 m
Detection Range to Rear of Vehicle: Configurable up to 50 m

PHYSICAL SPECIFICATIONS:
Overall Dimensions: 4.49 x 6.76 x 2.76
[114.0mm x 171.8 x 70.1]
Weight: 1.0 lbs [454 g]
Sensor Connector: TE GET64, HDSCS 12 Pin, Terminal Plating: Gold,
Mating Connector: TE P/N 1-1703639-1
Mounting: Four 0.25 [6.4] diameter holes
Sensor Hardware Included: Four each - #10-24 x 1.0 in cap screws,
#10 SS flat washers, #10-24 Nylock nuts, NOTE 1
Radome Material: PC-ABS, UV resistant
IP Classification: IP6K9K (IP6K7)
Operating Temperature: -40° to +85°C
Storage Temperature: -55° to +105°C

ELECTRICAL SPECIFICATIONS:
Operating Voltage: 9 to 33 V DC
Maximum Input Current: 600 mA
Spike Protection: ± 200 V transients
Polarity: Negative ground, polarity protected

COMMUNICATION / INTERFACE:
J1939 CAN: Unterminated ECU
J1939 CAN Baud Rate: 250 kbps (\$2TA79)
or 500 kbps (STA79)
Diagnostics: UDS

REGULATORY COMPLIANCE:
FCC Compliance: OXZSTA79
IC ID: 20379-PVSTA79
E-Mark: XXXXX/XX-XXXX

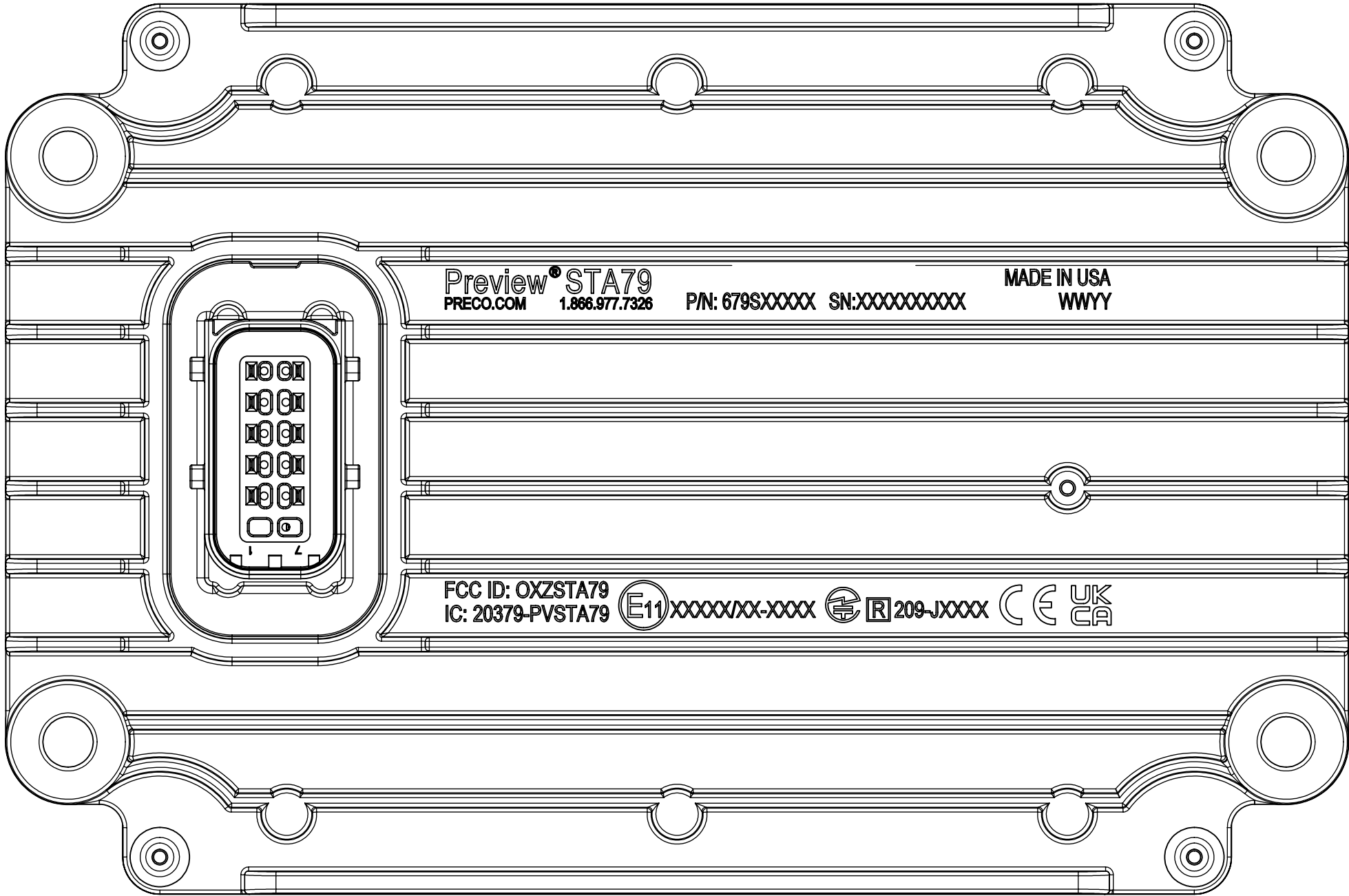
FOR REFERENCE ONLY, CHECK LATEST REVISION BEFORE USE. PARTS MADE TO THIS PRINT MUST CONFORM TO E9898 REV. E.		10335 W EMERALD ST BOISE, ID 83704 +1 (208) 323-1000
DRAWN T. BREITENBACH DATE 20-JUL-2023	ENGINEER TIANYU CHENG DATE 20-JUL-2023	TITLE INTERFACE CONTROL DRAWING, 79GHz SIDE TURN ASSIST
APPROVED	DATE	SIZE B
APPROVED	DATE	DWG NO. PD1S001
DO NOT SCALE DRAWING	THIRD ANGLE PROJECTION	REV. 2
SCALE 1:2		SHEET 1 OF 2

D

C

B

A



MARKING VIEW

EXPERIMENTAL



10335 W EMERALD ST
BOISE, ID 83704
+1 (208) 323-1000



SIZE	DWG NO.	REV.
B	PD1S001	2
SCALE 1.5:1	SOLIDWORKS	SHEET 2 OF 2