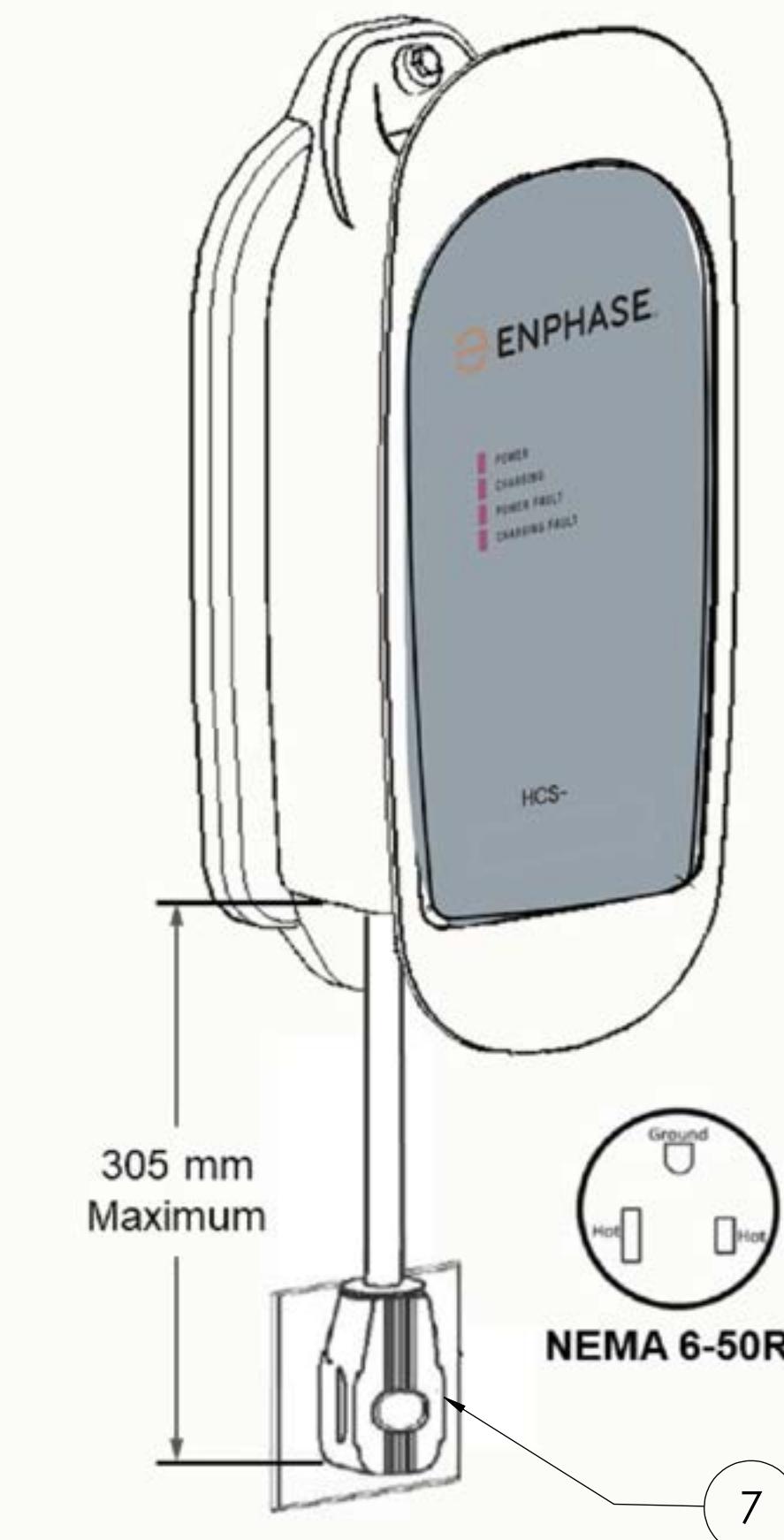
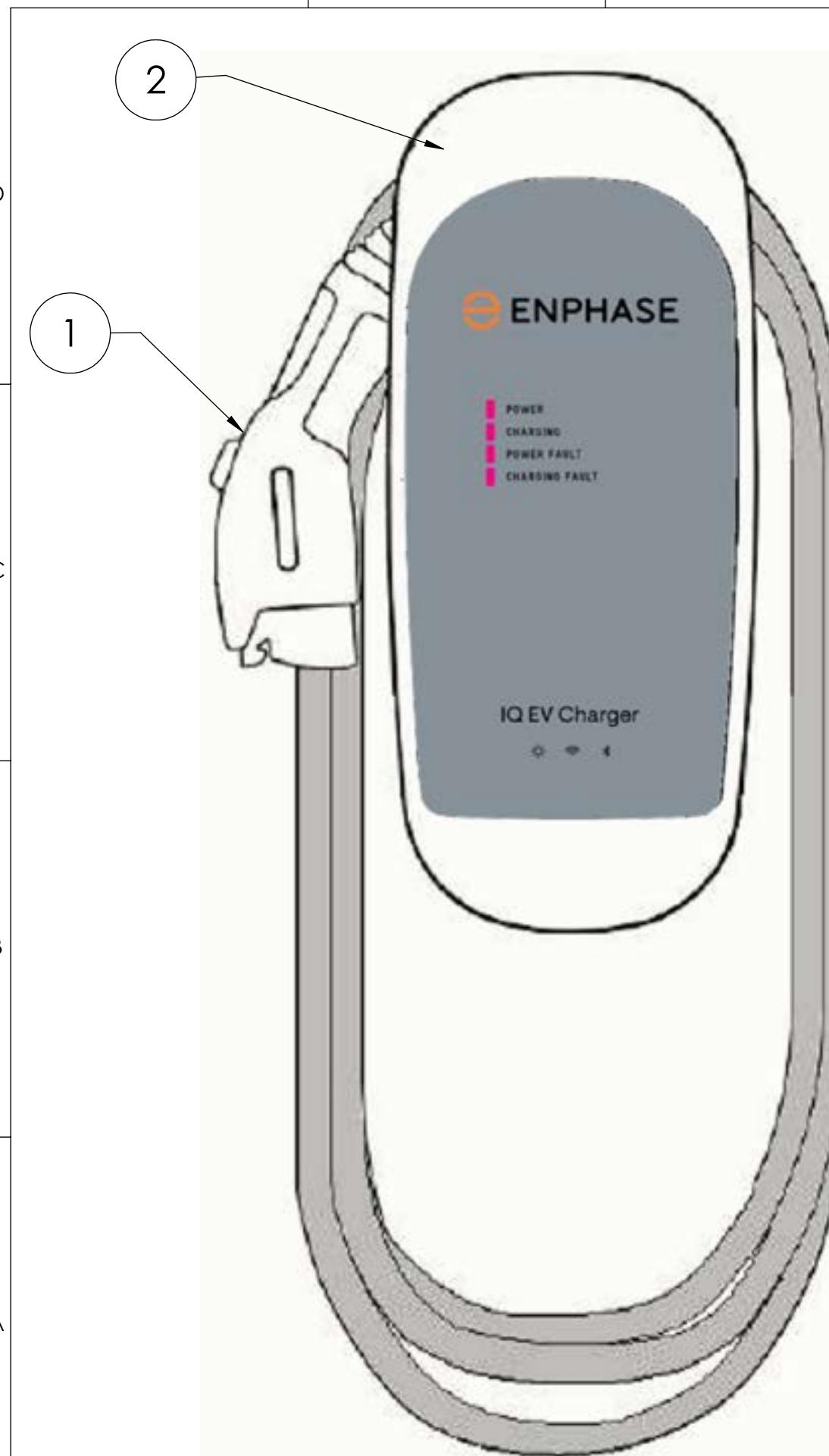
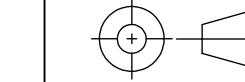


8 7 6 5 4 3 2 1



PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ENPHASE ENERGY. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF ENPHASE ENERGY
IS PROHIBITED.

THIRD ANGLE PROJECTION



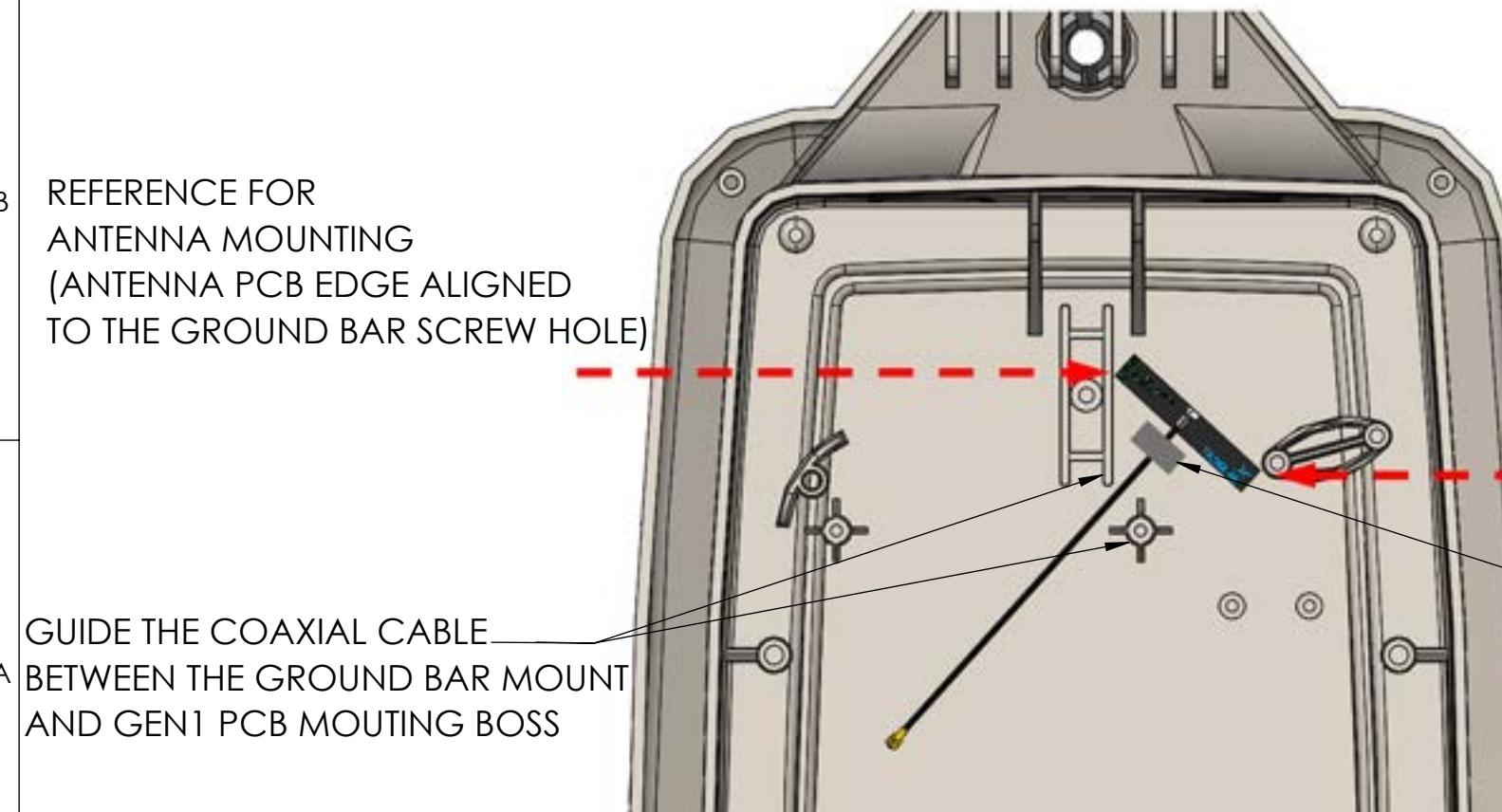
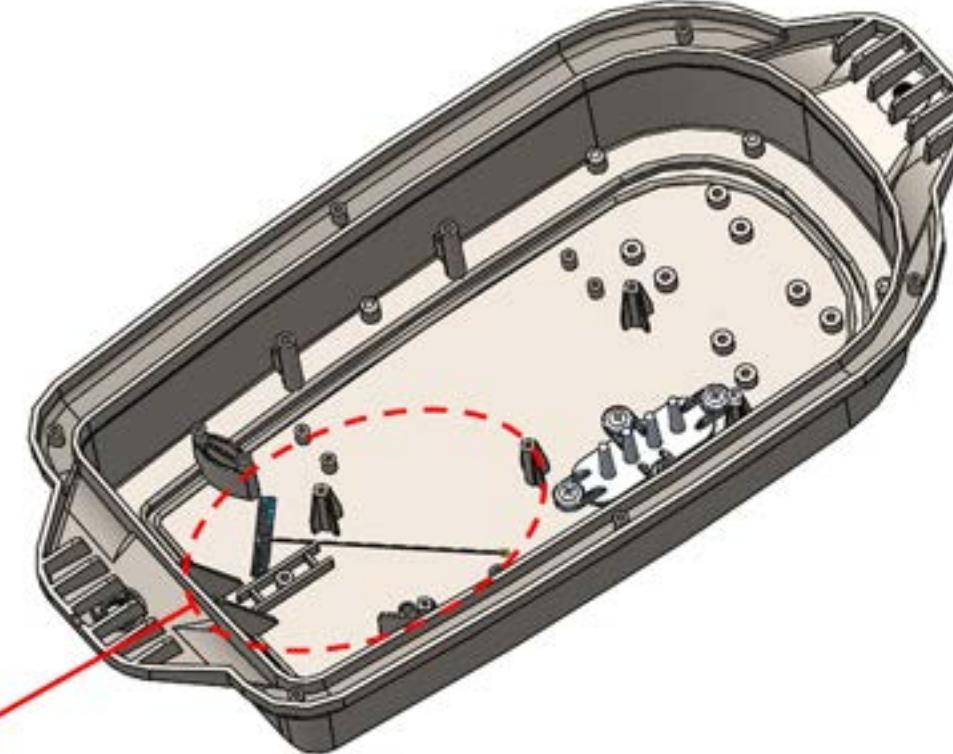
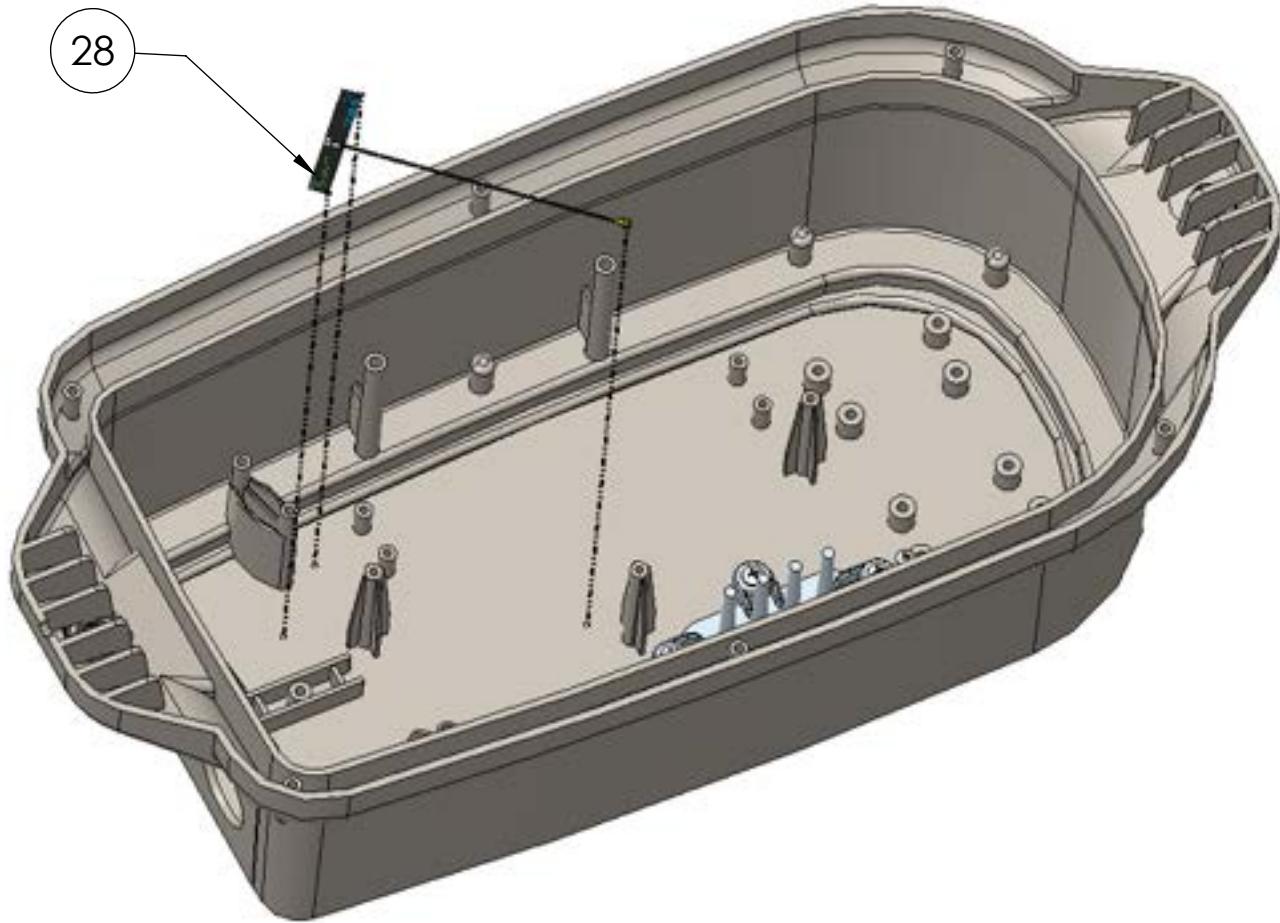
ENPHASE
TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P
SHEET DRAWN BY ARUN PART NUMBER 940-02000 REV 05
SIZE DATE 15SEP2022
A3 REVIEWED BY RAJIV SCALE NOT TO SCALE
DATE 16SEP2022 SHEET 1 of 20

REVISIONS			
REV.	DESCRIPTION	CHECKED	DATE
01	ECO-006488 : INITIAL RELEASE	RAJIV	29SEP2022
02	ECO-006519 : ANTENNA AND LABEL UPDATED	RAJIV	20OCT2022
03	ECO-006576 : ANTENNA AND SURFACE PREPARATION DETAILS UPDATED	RAJIV	08NOV2022
04	ECO-006732 : FERRITE CORES ADDED. BOM UPDATED	RAJIV	04JAN2023
05	ECO-006774 : TIE WRAP ADDED. LABEL UPDATED. BOM UPDATED	RAJIV	17JAN2023

NOTES:

1. REFER ARENA WHERE USED FOR ASSEMBLY PART NUMBERS.
2. ALL PARTS TO BE CLEAN WITH NO FOREIGN MATTER PRESENT.
3. ALL ITEMS SHALL BE ASSEMBLED PER STATED TORQUE VALUES AND SPECIFICATIONS. VALUES SHOULD BE MET WITH A TOLERANCE OF 10%.
4. REFER TO MECH-MAP FOR ASSEMBLY INSTRUCTIONS.
5. LABEL CONTAINS DMC CODE, SERIAL # AND PART #.
6. FOR PRINTING DMC CODE, SERIAL AND PART NUMBER TEXT DETAILS, REFER MECHMAP. THE DMC CODE SHALL HAVE AN ERROR CORRECTION OF REED SOLOMON ECC200. THE DATA INCLUDED IN THE DMC CODE CONTAINS THE PART # AND SERIAL #.
7. FOR PRINTING Wi-Fi AND BLUETOOTH MAC ADDRESS TEXT DETAILS, REFER MECHMAP.
8. THE LABELS SHOWN IN THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY.
9. THE CAD IMAGES SHOWN IN THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY.

REFER PAGE 20 FOR SURFACE PREPARATION
BEFORE MOUNTING THE ANTENNA



REFERENCE FOR ANTENNA MOUNTING
(ANTENNA PCB EDGE ALIGNED TO
THE CABLE CLAMP MOUNTING)

ANTENNA TO BE PLACED ACCURATELY
IN POSITION USING A TEMPLATE

GUIDE THE COAXIAL CABLE
BETWEEN THE GROUND BAR MOUNT
AND GEN1 PCB MOUTING BOSS

3M POLYIMIDE FILM TAPE 5413

CUT TAPE FOR LENGTH OF 25mm
AND PASTE COAXIAL CABLE
ON PLASTIC HOUSING.
TAPE TO BE STICKED AS SHOWN.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ENPHASE ENERGY. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF ENPHASE ENERGY
IS PROHIBITED.

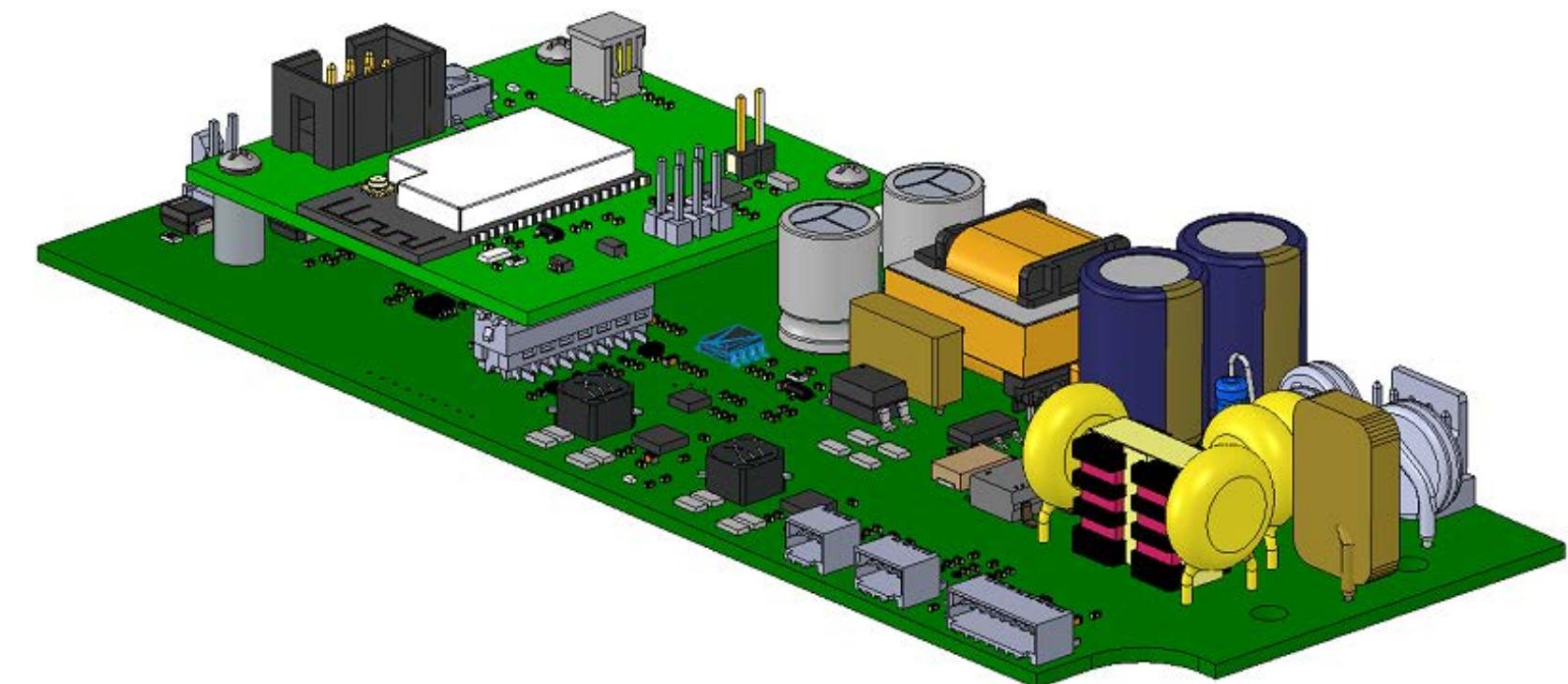
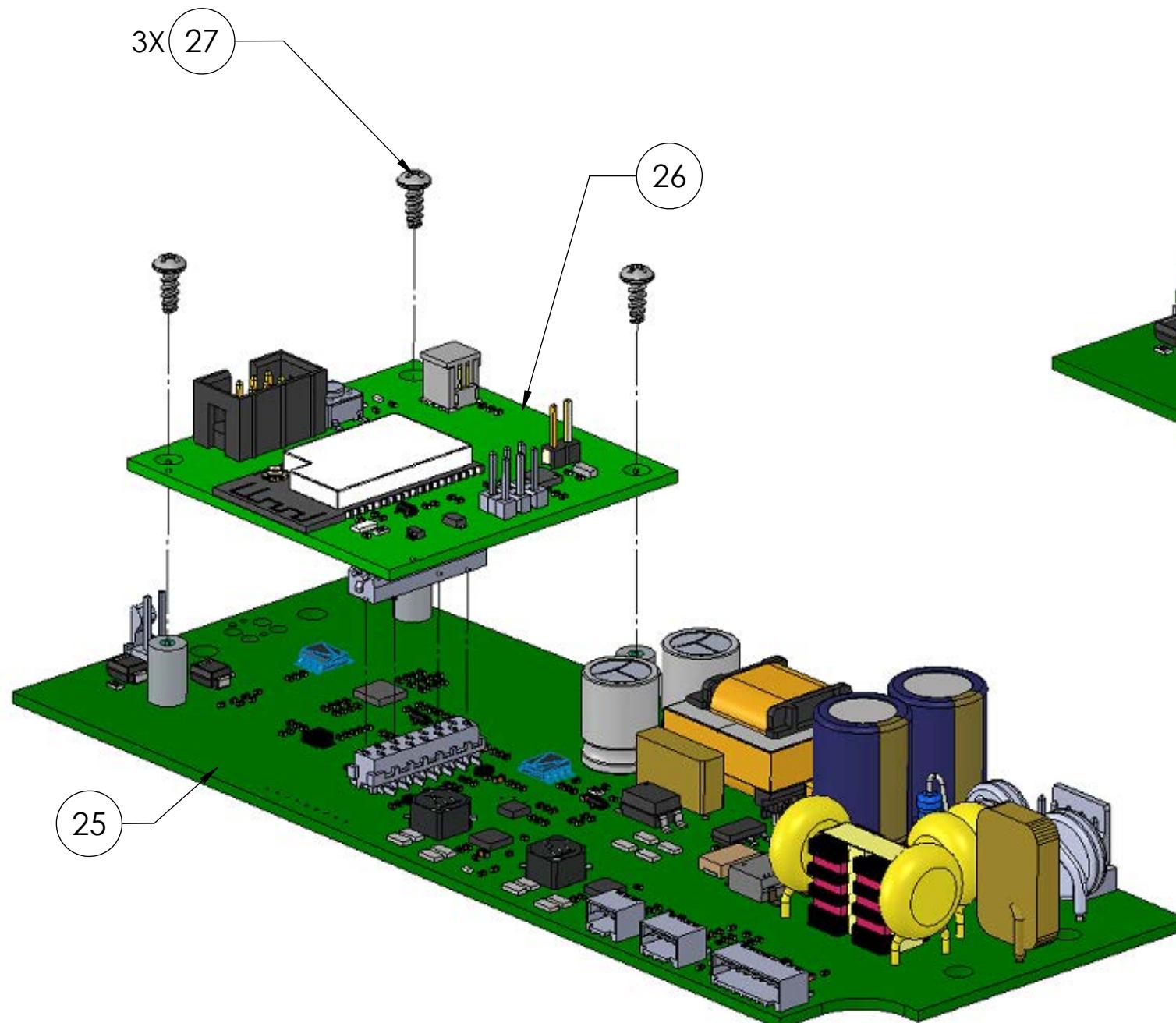
ENPHASE

TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P

SHEET SIZE A3	DRAWN ARUN DATE 15SEP2022 REVIEWED ROJIV DATE 16SEP2022	PART NUMBER 940-02000	REV 05
THIRD ANGLE PROJECTION		SCALE NOT TO SCALE	SHEET 2 of 20

8 7 6 5 4 3 2 1

TORQUE TO 2.65 IN-LBS
WITH ELECTRIC SCREWDRIVER

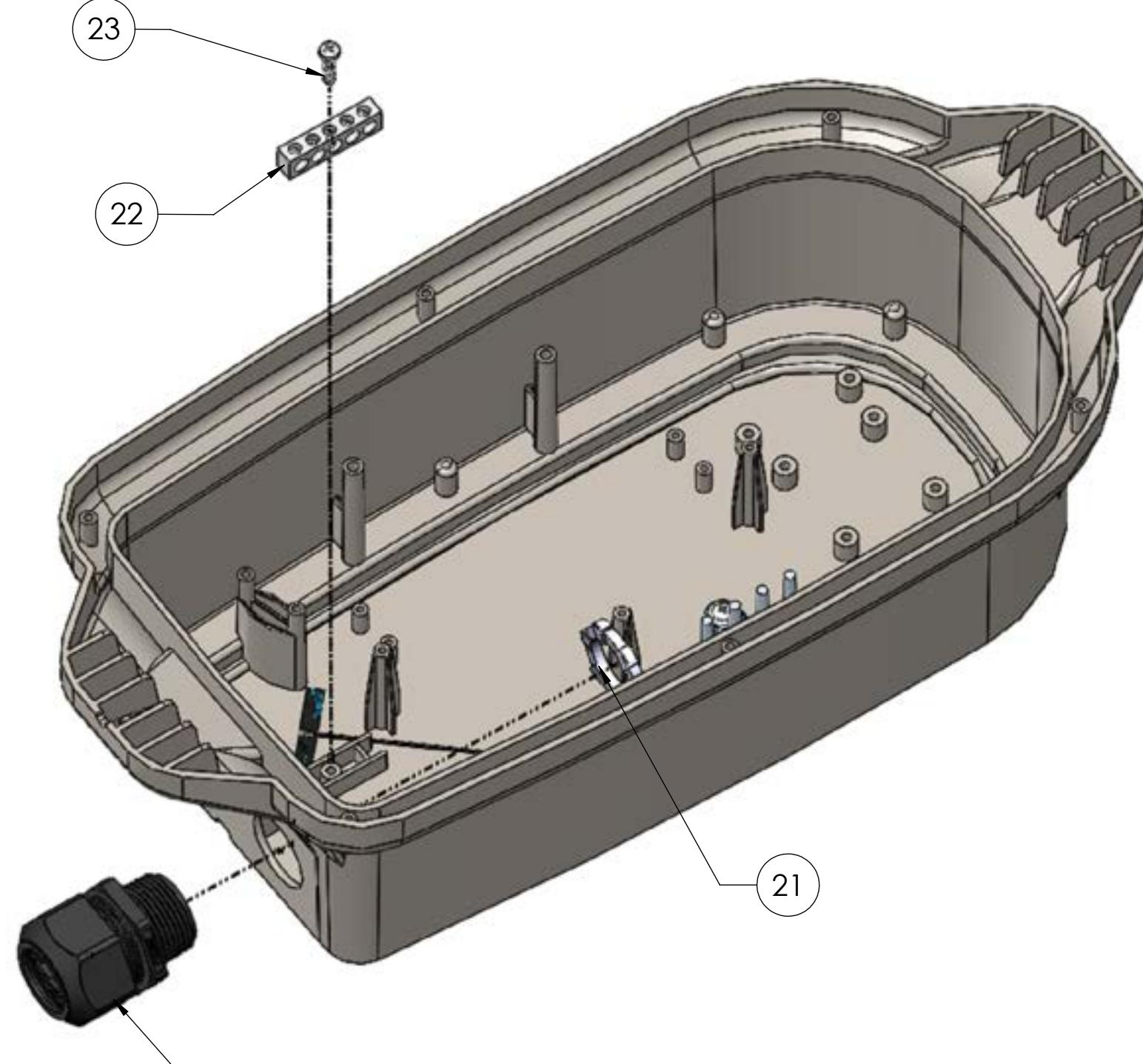


PROPRIETARY AND CONFIDENTIAL		ENPHASE		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.				
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P			
SHEET SIZE	DRAWN ARUN DATE 15SEP2022	PART NUMBER	940-02000	REV 05
A3	REVIEWED RQJIV DATE 16SEP2022	SCALE	NOT TO SCALE	SHEET 3 of 20

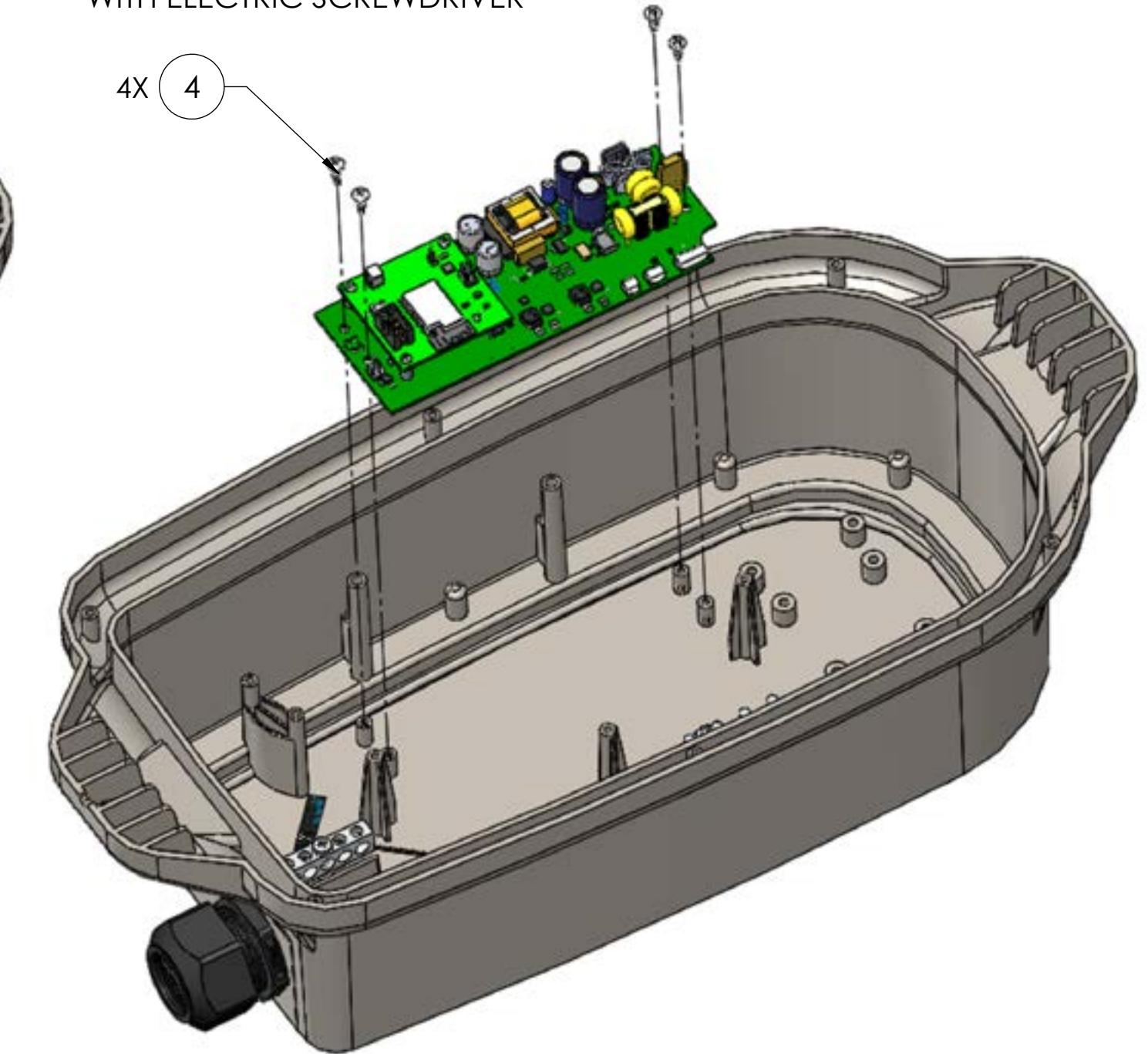
8 7 6 5 4 3 2 1

Version

8
7
6
5
4
3
2
1
TORQUE TO 20 IN-LBS
WITH ELECTRIC SCREWDRIVER

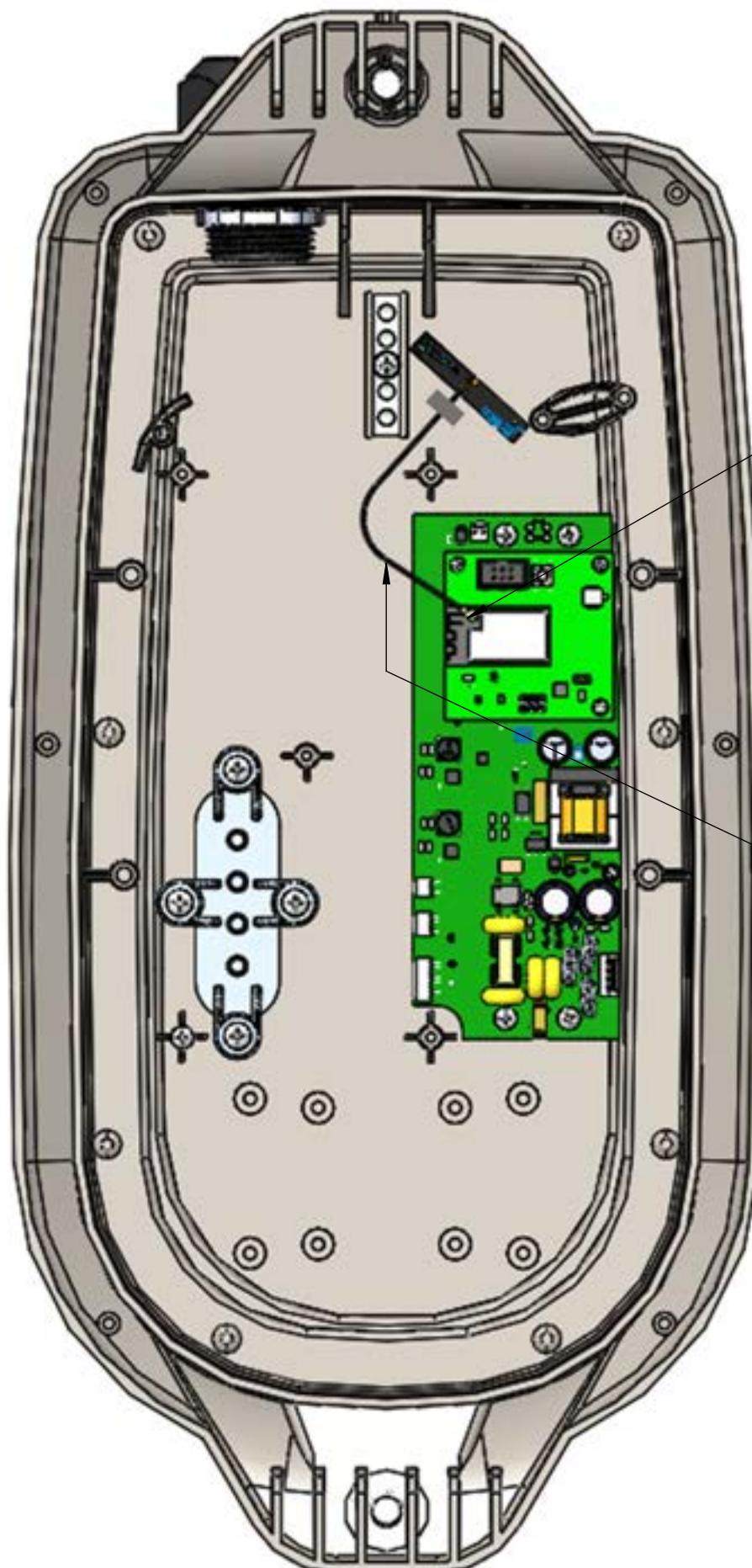


4
3
2
1
TORQUE TO 10 IN-LBS
WITH ELECTRIC SCREWDRIVER



A
TORQUE TO 60 IN-LBS USING
3/4" SOCKET TORQUE WRENCH

PROPRIETARY AND CONFIDENTIAL		ENPHASE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.			
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P		
SHEET SIZE	DRAWN ARUN DATE 15SEP2022	PART NUMBER 940-02000	REV 05
A3	REVIEWED RQJIV DATE 16SEP2022	SCALE NOT TO SCALE	SHEET 4 of 20



CONNECT THE ANTENNA CONNECTOR
TO THE AIR PCB CONNECTOR

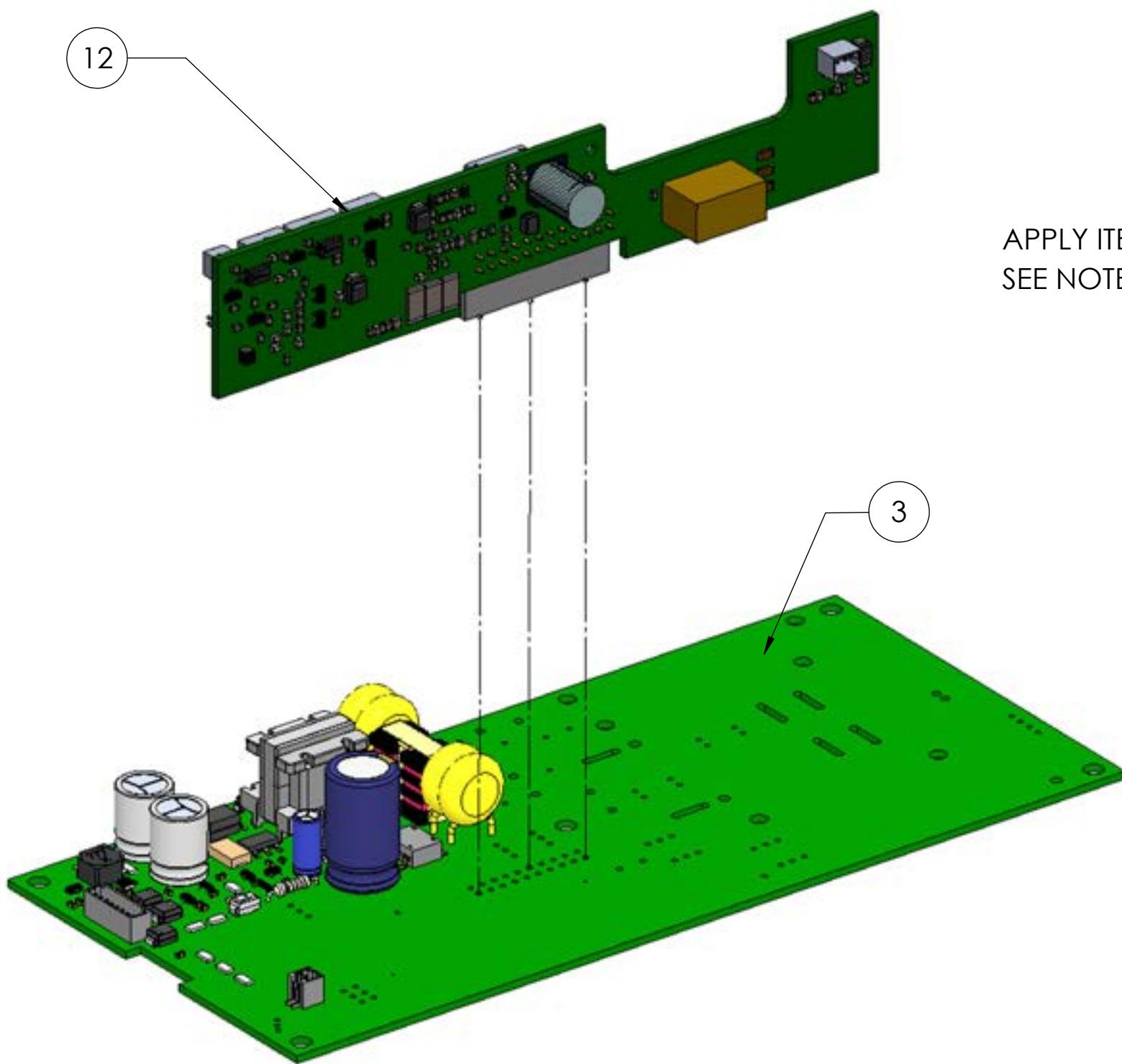
CABLE IS LOOPED AND
ROUTED AS SHOWN



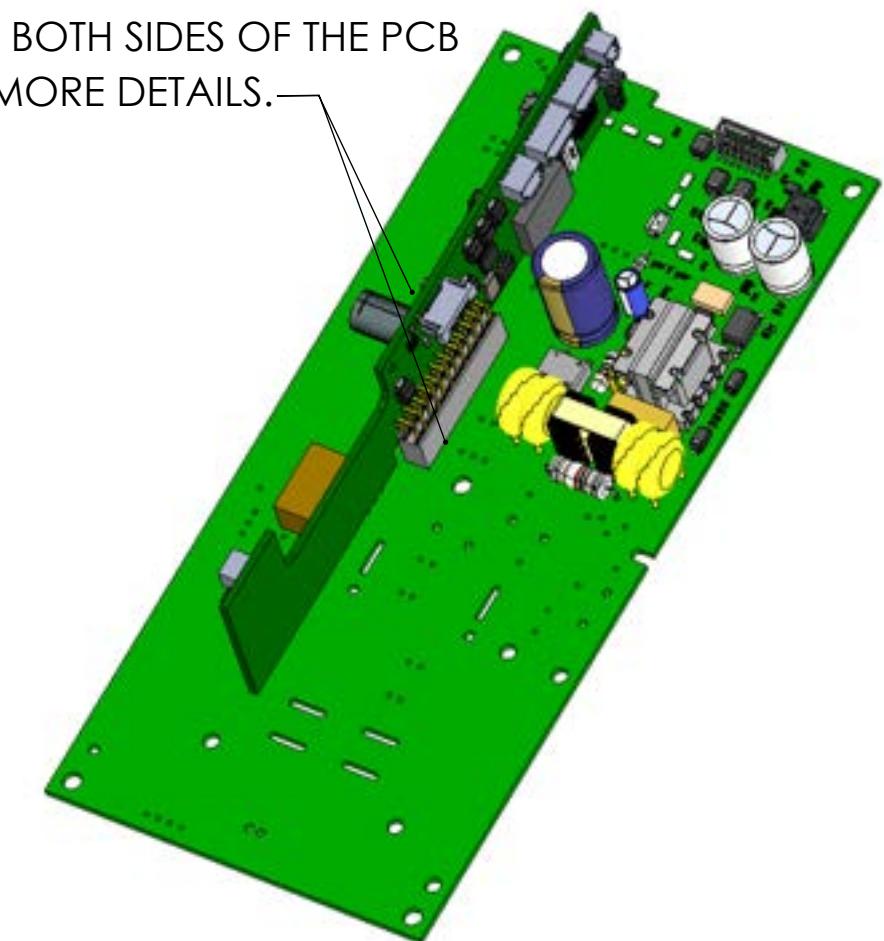
REPRESENTATIONAL FIGURE

PROPRIETARY AND CONFIDENTIAL		ENPHASE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.			
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P		
SHEET SIZE	DRAWN ARUN	PART NUMBER	REV 05
	DATE 15SEP2022	940-02000	
A3	REVIEWED RQJIV	SCALE NOT TO SCALE	SHEET 5 of 20
	DATE 16SEP2022		

8 7 6 5 4 3 2 1



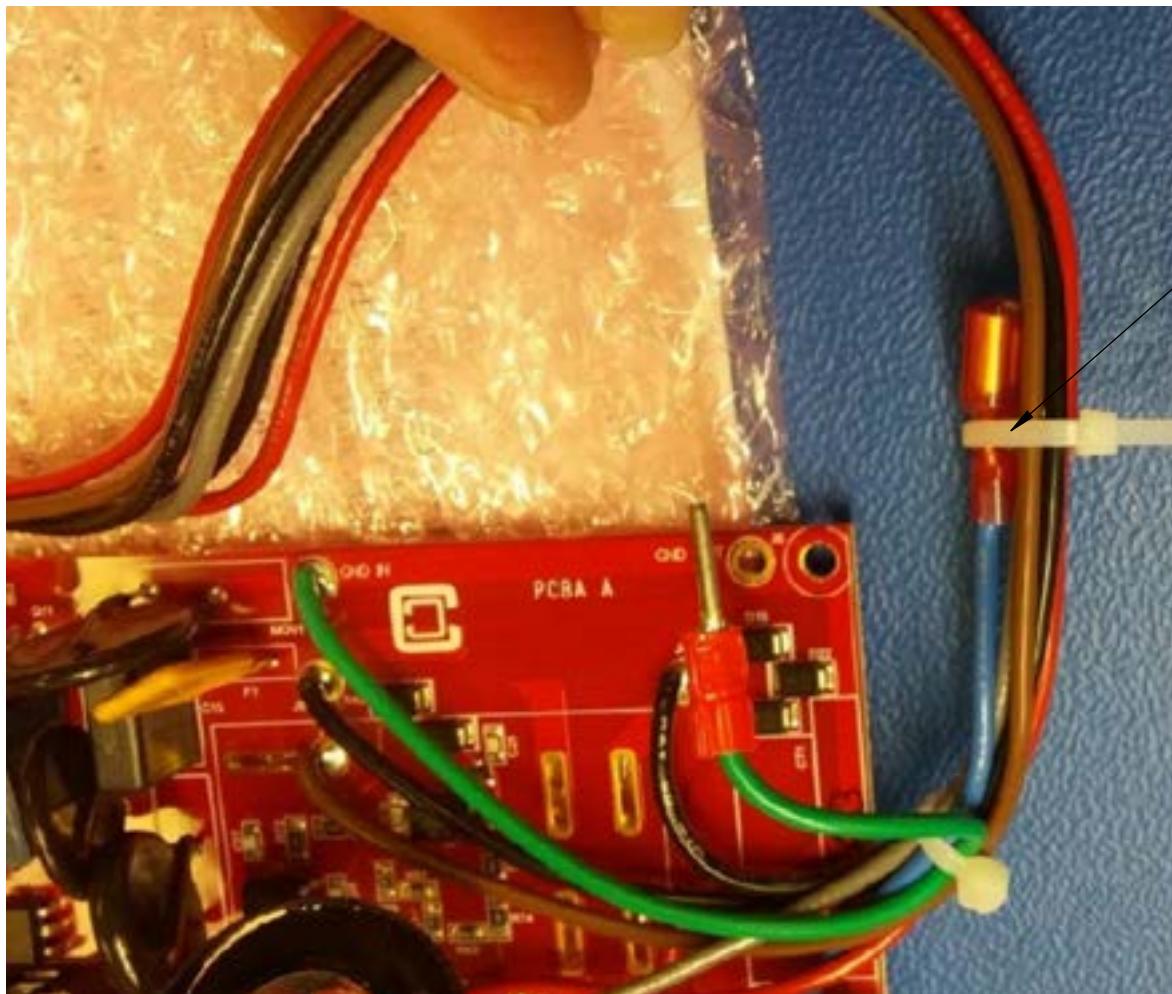
APPLY ITEM ⑯ ON BOTH SIDES OF THE PCB
SEE NOTE ⑭ FOR MORE DETAILS.



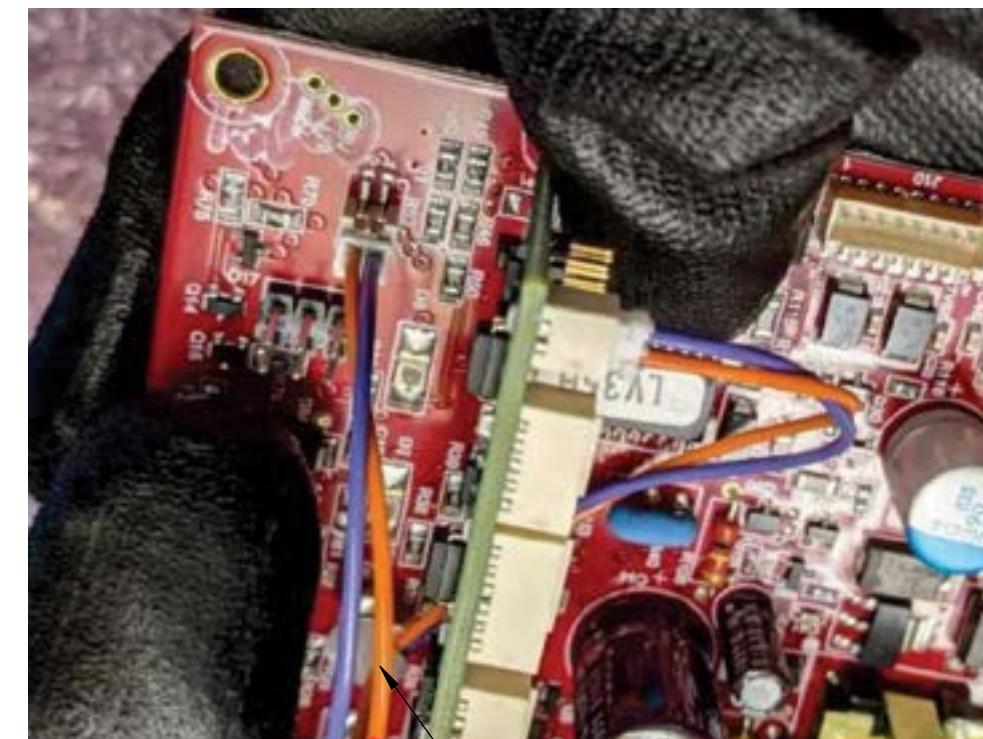
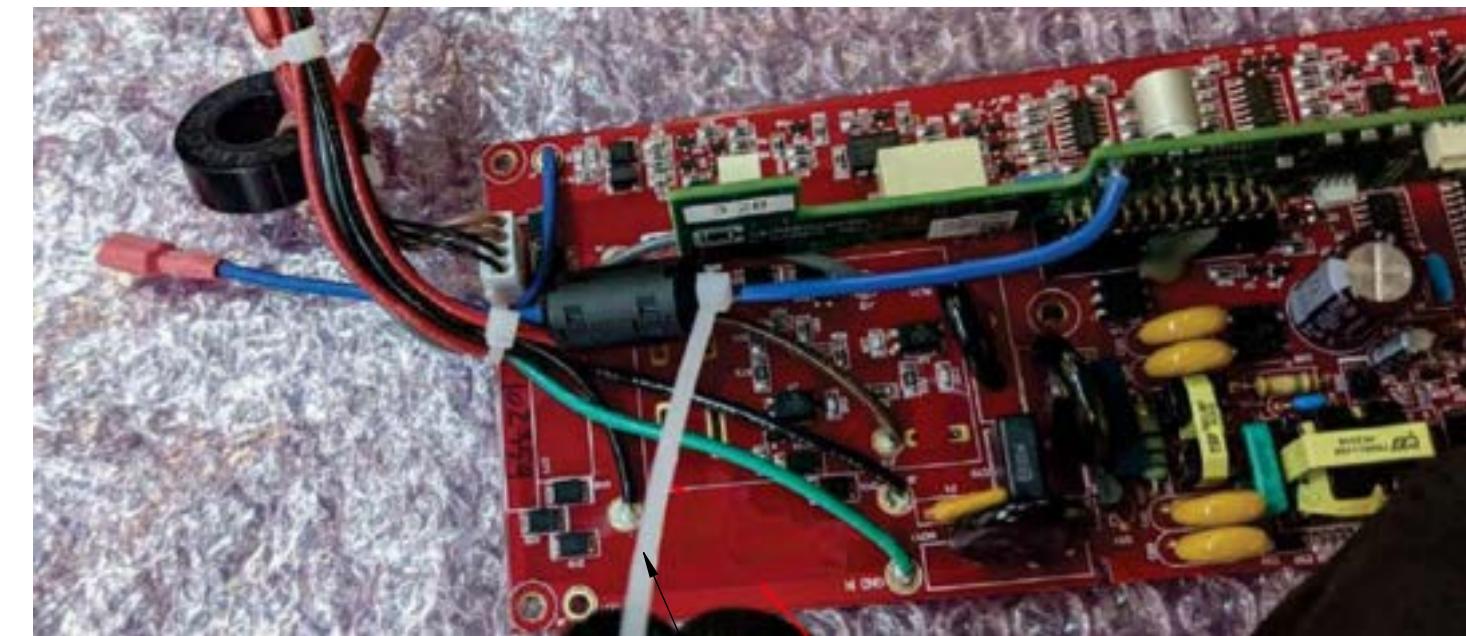
PROPRIETARY AND CONFIDENTIAL		ENPHASE		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.				
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P			
SHEET SIZE	DRAWN ARUN	PART NUMBER	940-02000	REV 05
15SEP2022				
A3	REVIEWED RQJIV	SCALE	NOT TO SCALE	SHEET 6 of 20
16SEP2022				

8 7 6 5 4 3 2 1

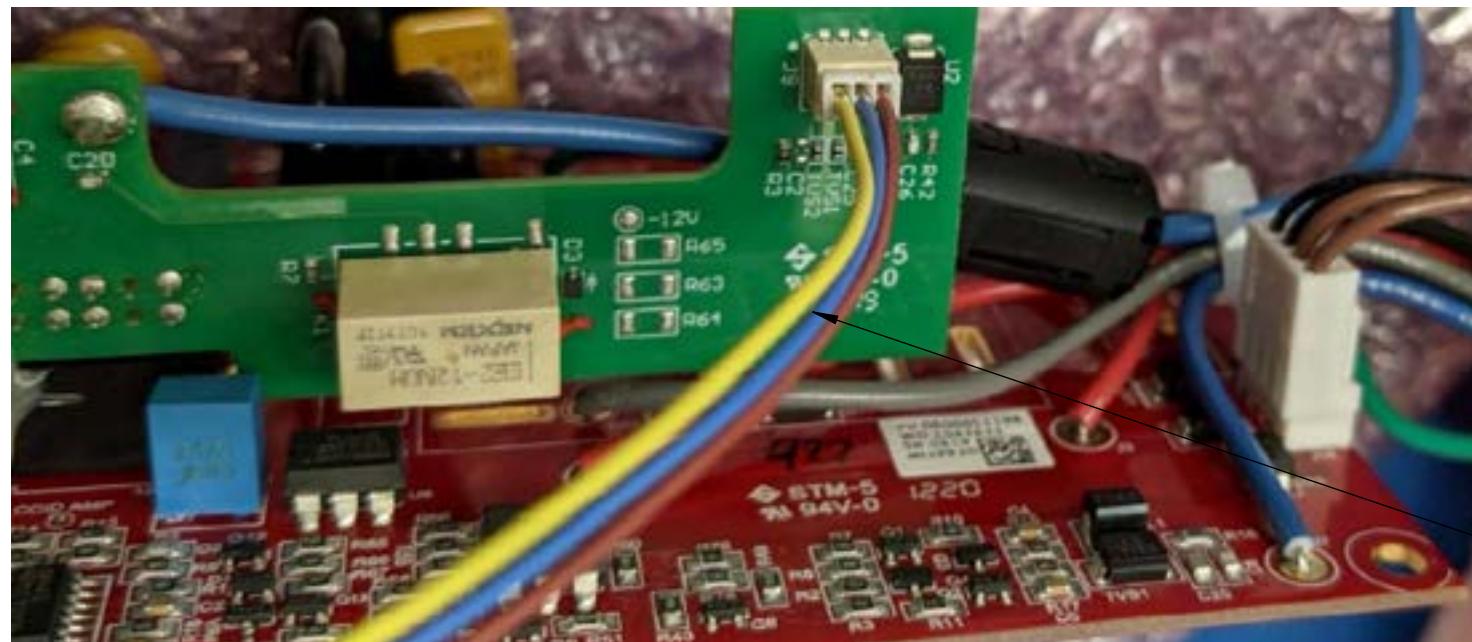
Version



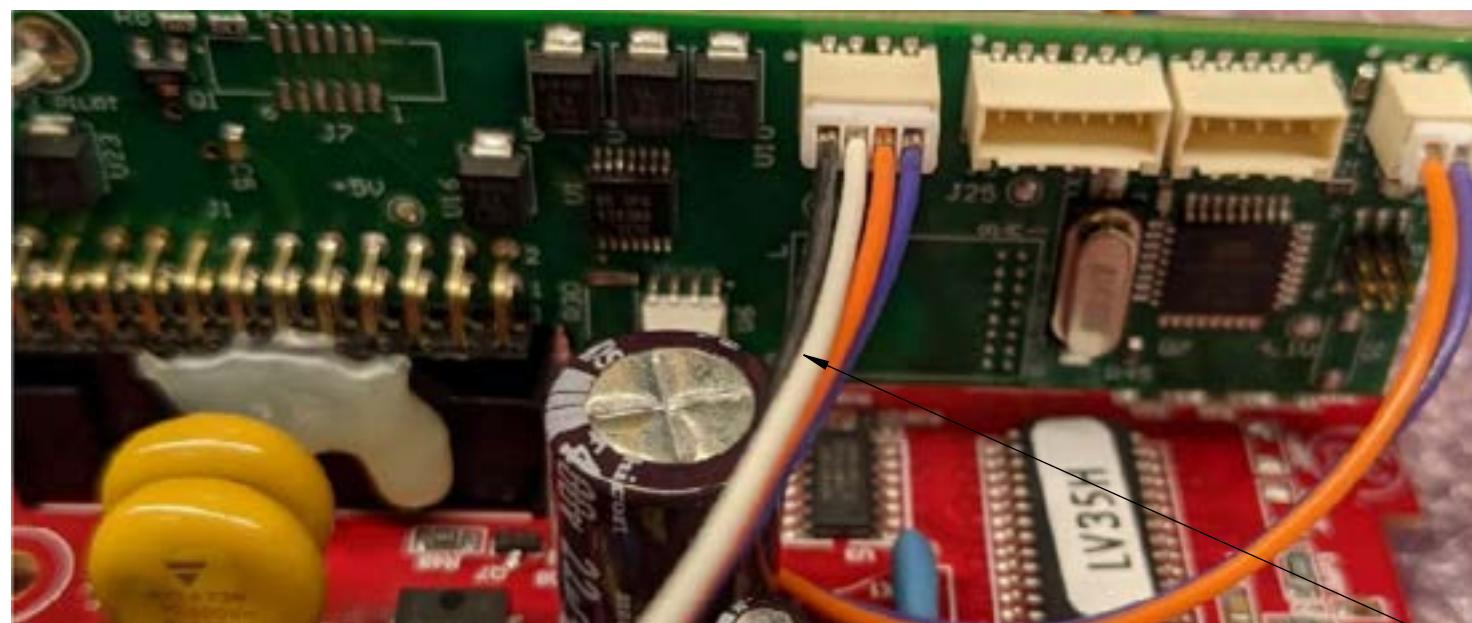
SEE NOTE 4 FOR MORE DETAILS.



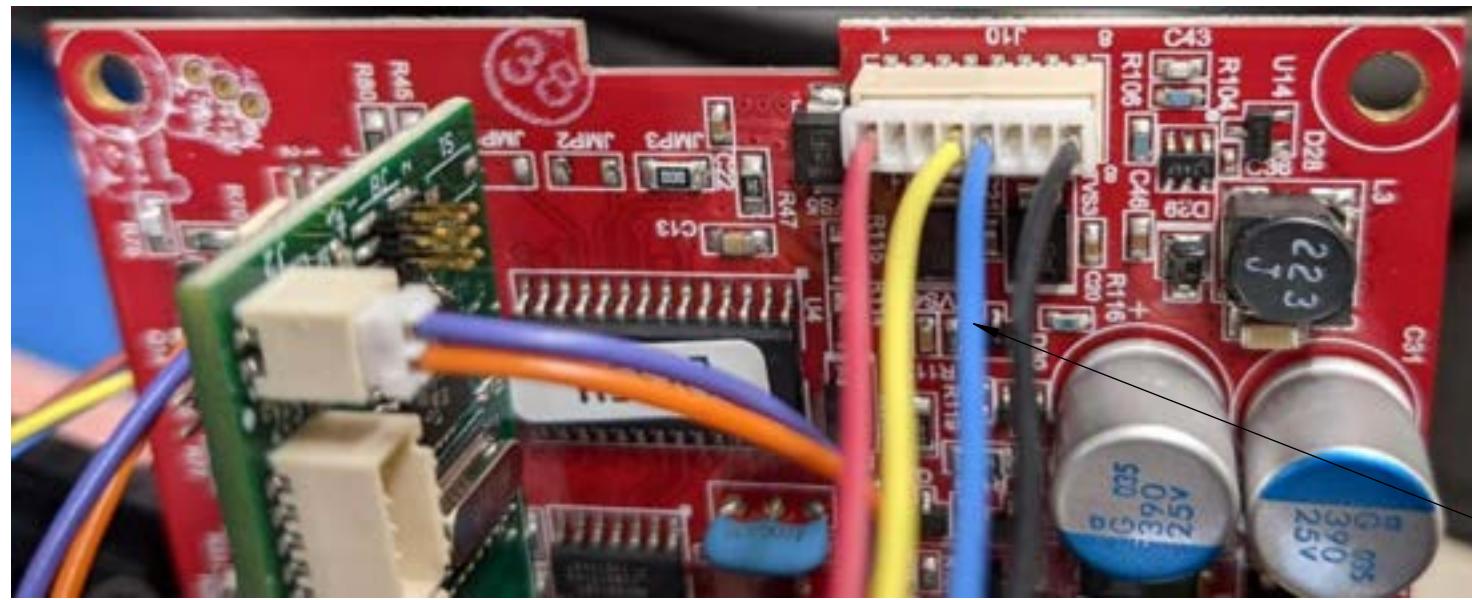
PROPRIETARY AND CONFIDENTIAL <small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.</small>		ENPHASE <small>General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P</small>	
		TITLE <small>General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P</small>	PART NUMBER <small>940-02000</small>
Sheet <small>ARUN</small>	Size <small>15SEP2022</small>	REV <small>05</small>	
A3	Reviewed <small>ROJIV</small>	Scale <small>NOT TO SCALE</small>	Sheet <small>7 of 20</small>



30



31



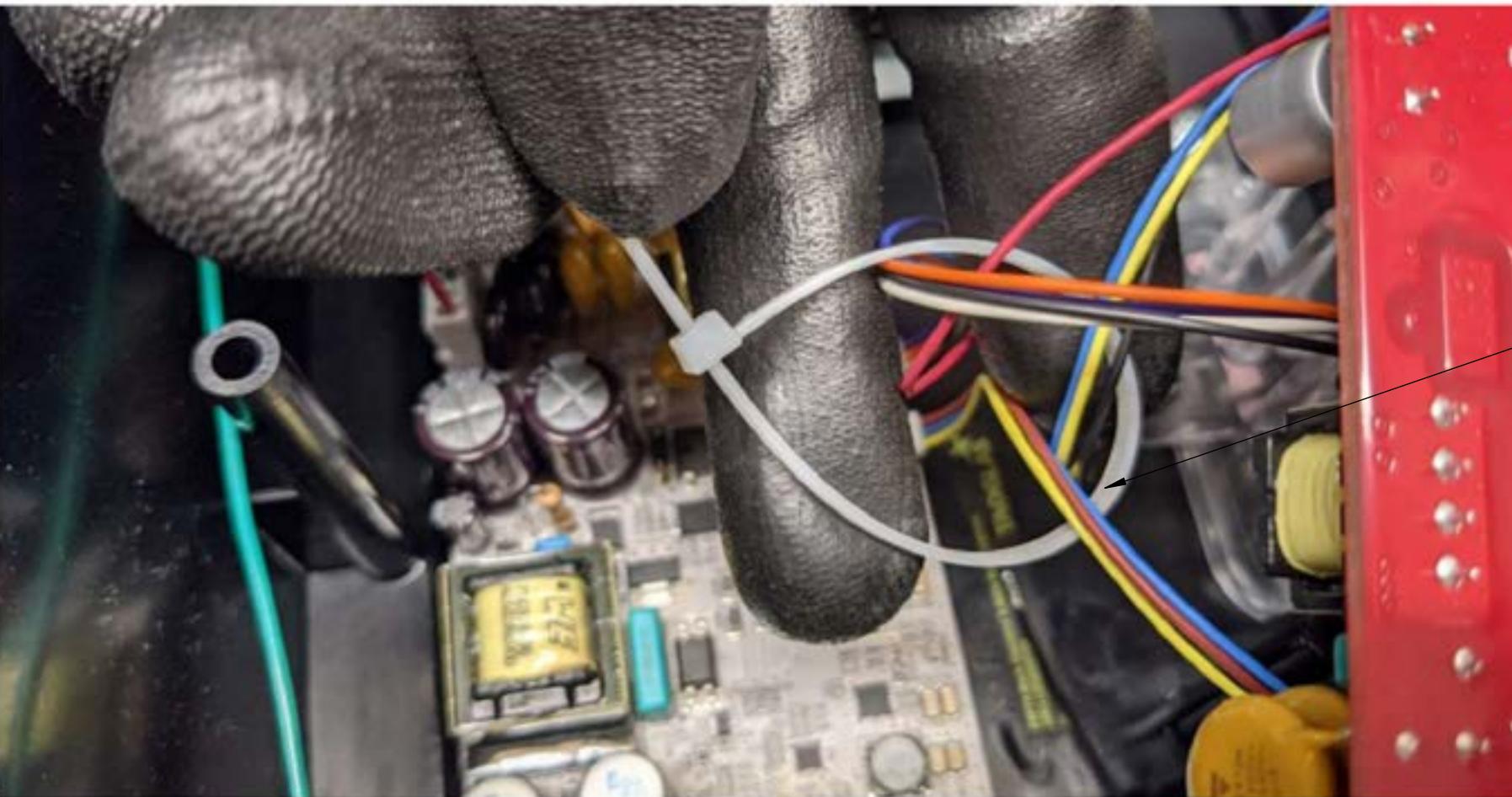
32

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ENPHASE ENERGY. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF ENPHASE ENERGY
IS PROHIBITED.

 ENPHASE.

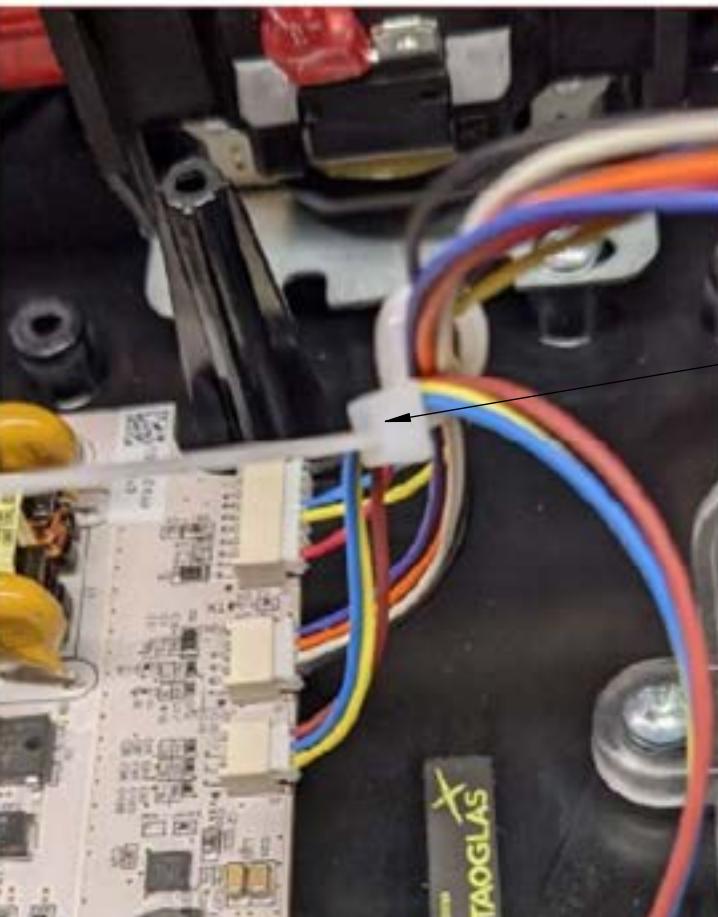
TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P

SHEET SIZE	DRAWN ARUN	PART NUMBER 940-02000	REV 05
DATE 15SEP2022			
REVIEWED RQJIV			
DATE 16SEP2022			
A3	SCALE NOT TO SCALE	SHEET 8 of 20	



16

SECURE THE CABLES BY
ATTACHING A TIE WRAP.



SECURE THE CABLES BY
ATTACHING A TIE WRAP.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ENPHASE ENERGY. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF ENPHASE ENERGY
IS PROHIBITED.

ENPHASE
TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P
SHEET DRAWN BY ARUN
SIZE DATE 15SEP2022
A3 REVIEWED BY ROJIV
DATE 16SEP2022
PART NUMBER 940-02000 REV 05
SCALE NOT TO SCALE
SHEET 9 of 20

8

7

6

5

4

3

2

1

D

D

C

C

B

B

A

A

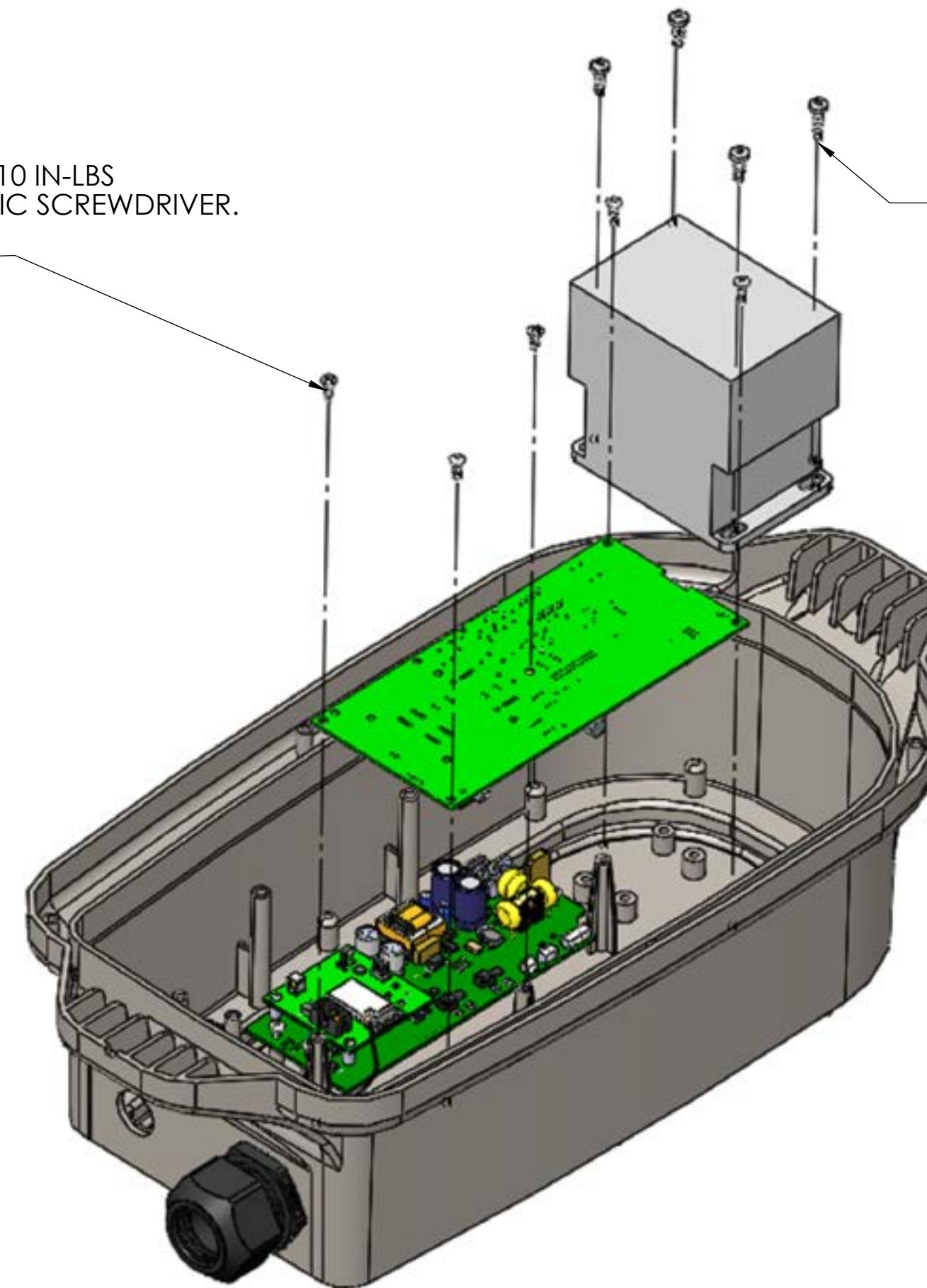
TORQUE TO 10 IN-LBS
WITH ELECTRIC SCREWDRIVER.

5X

4

6 4X

TORQUE TO 15 IN-LBS
WITH ELECTRIC SCREWDRIVER.



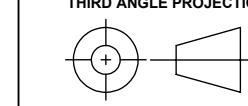
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS
DRAWING IS THE SOLE PROPERTY OF
ENPHASE ENERGY. ANY REPRODUCTION IN
PART OR AS A WHOLE WITHOUT THE
WRITTEN PERMISSION OF ENPHASE ENERGY
IS PROHIBITED.

 ENPHASE.

TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P

SHEET	DRAWN ARUN	PART NUMBER 940-02000	REV 05
SIZE	15SEP2022		
DATE			
REVIEWED	ROJIV	SCALE	
DATE	16SEP2022	NOT TO SCALE	
			SHEET
			10 of 20

A3



8

7

6

5

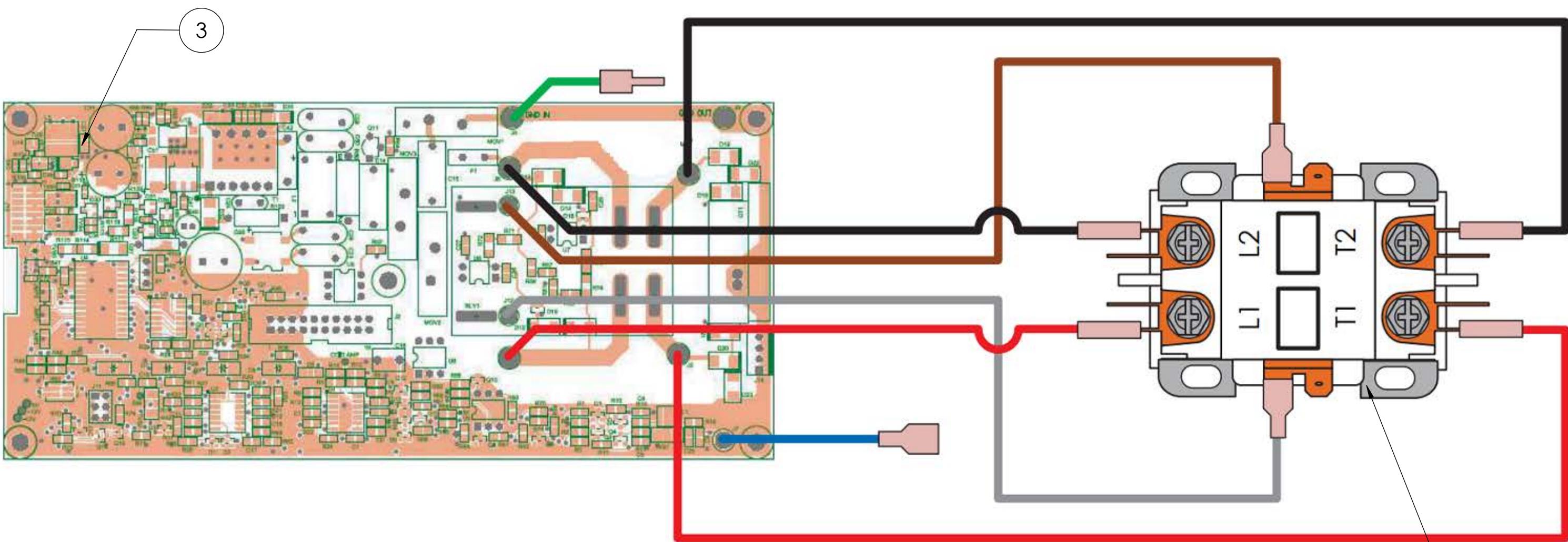
4

3

2

1

Version



PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.

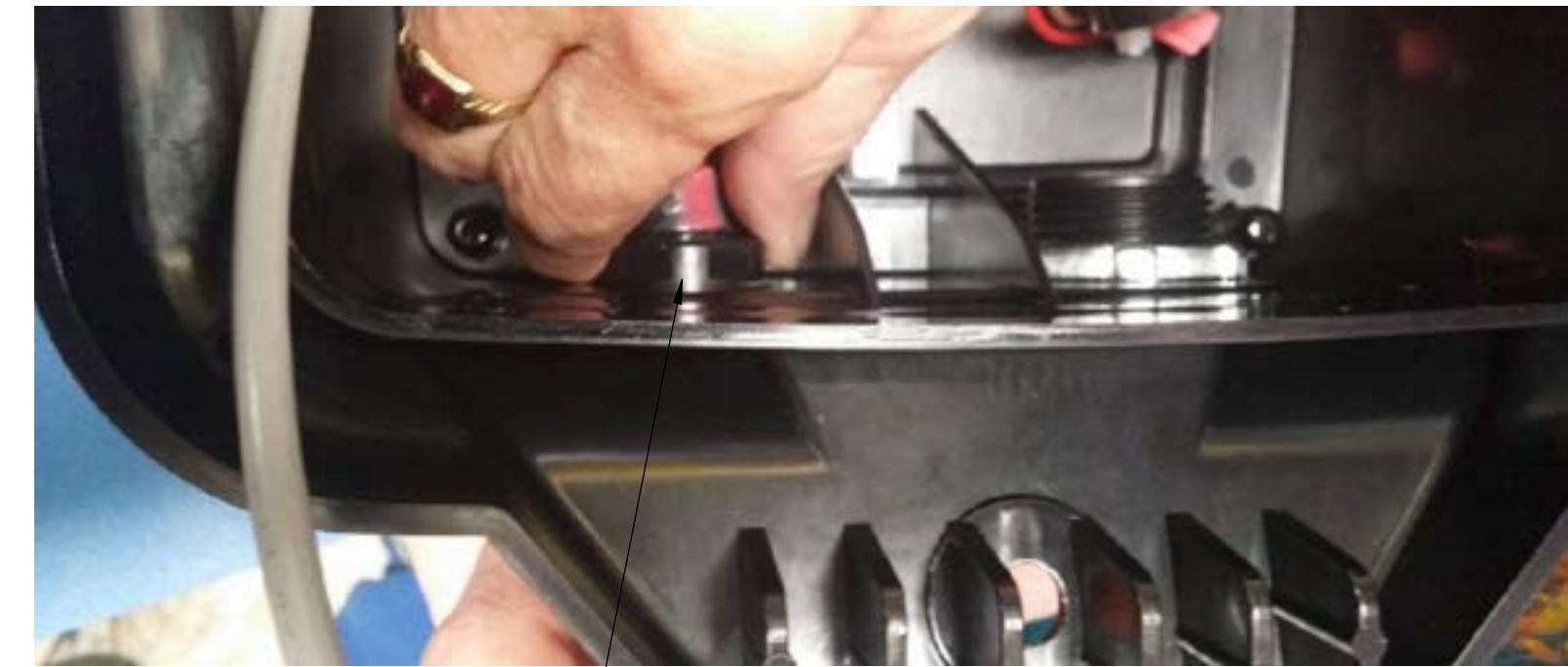
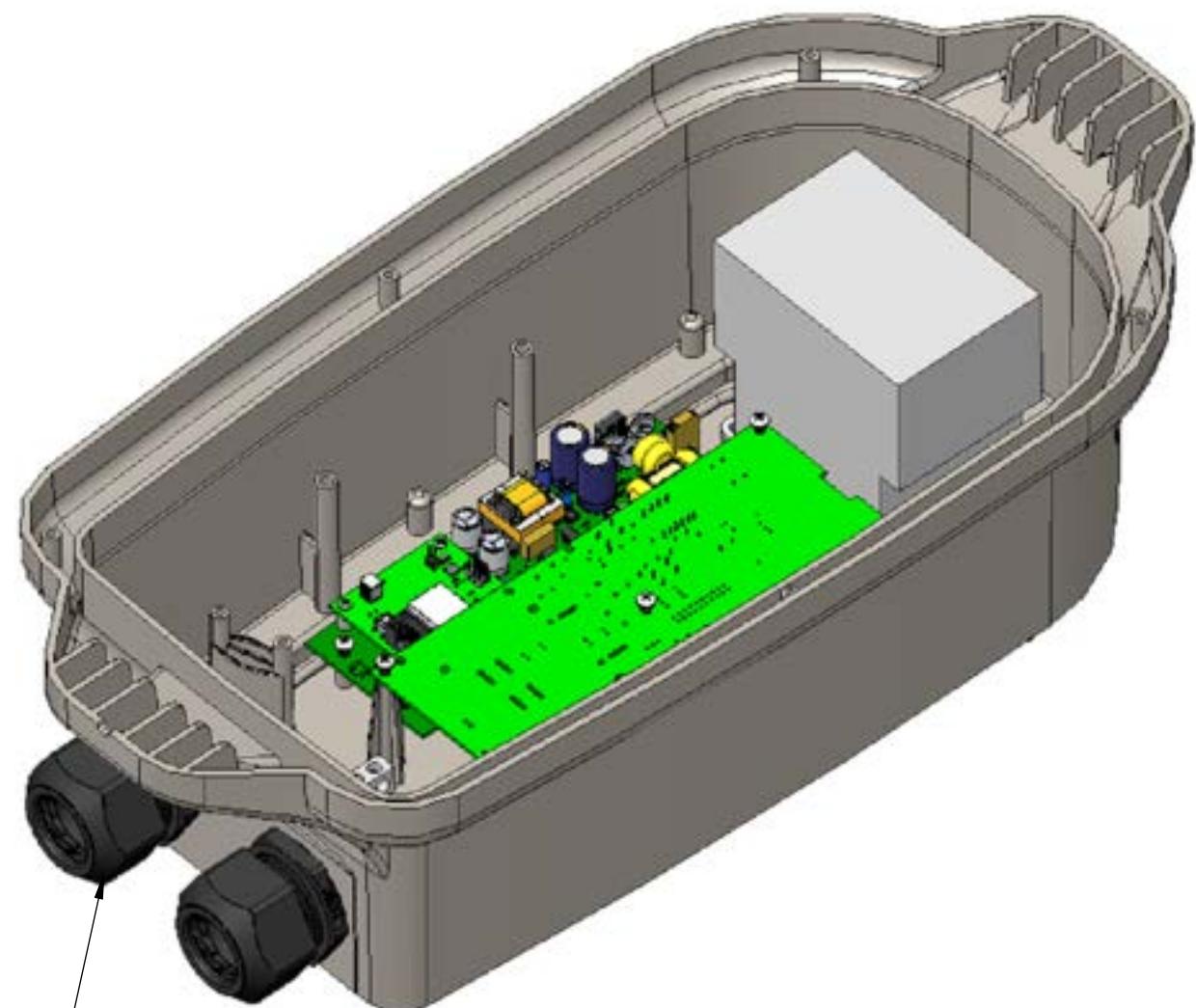
ENPHASE

TITLE
General Assembly, IQ-EVSE-NA-40R,
NEMA 6-50P

THIRD ANGLE PROJECTION

SHEET SIZE A3	DRAWN <u>Arun</u> DATE <u>15SEP2022</u>	PART NUMBER 940-02000		REV 05	
	REVIEWED <u>Rajiv</u> DATE <u>16SEP2022</u>	SCALE NOT TO SCALE	SHEET 11 of 20		

8 7 6 5 4 3 2 1

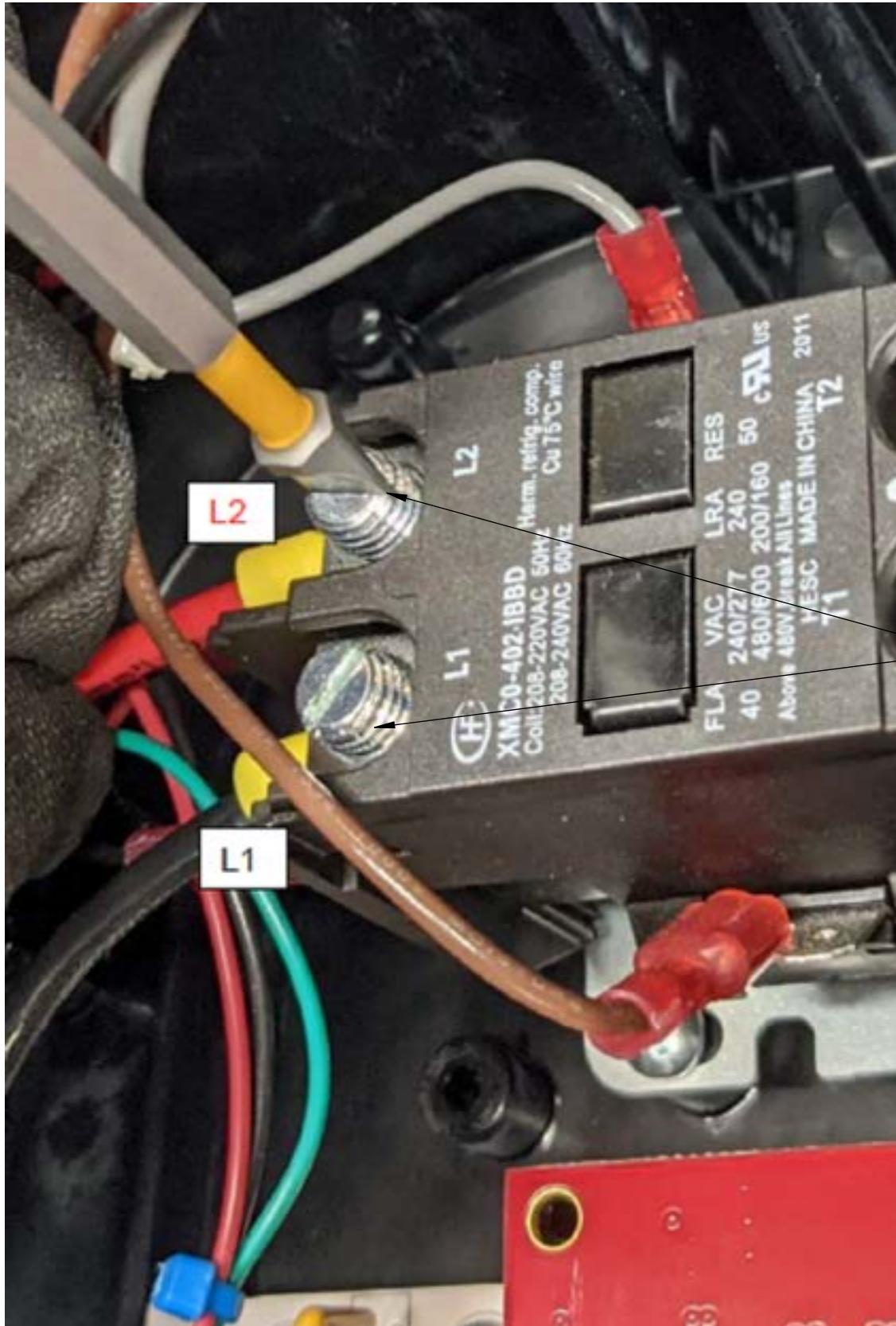


21

REMOVE THE NUT FROM CONDUIT STRAIN RELIEF.

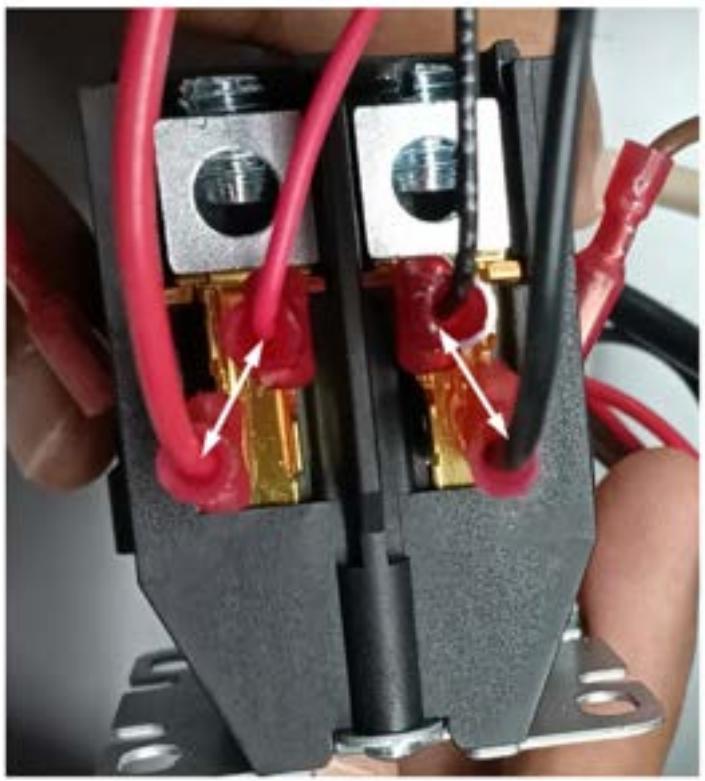
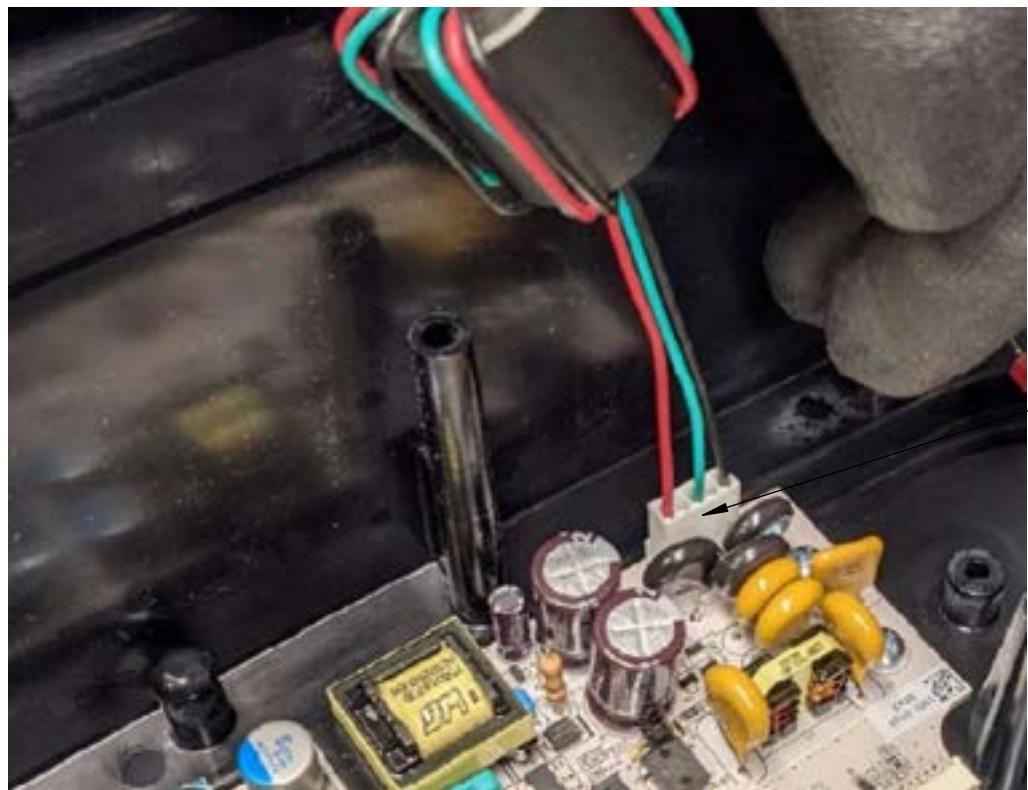
INSERT THE INPUT CABLES THROUGH
STRAIN RELIEF AND TIGHTEN THE NUT

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.		ENPHASE	
TITLE General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P			
SHEET A3	DRAWN ARUN SIZE 15SEP2022 REVIEWED RQJIV DATE 16SEP2022	PART NUMBER 940-02000 REV 05	SCALE NOT TO SCALE
			SHEET 12 of 20

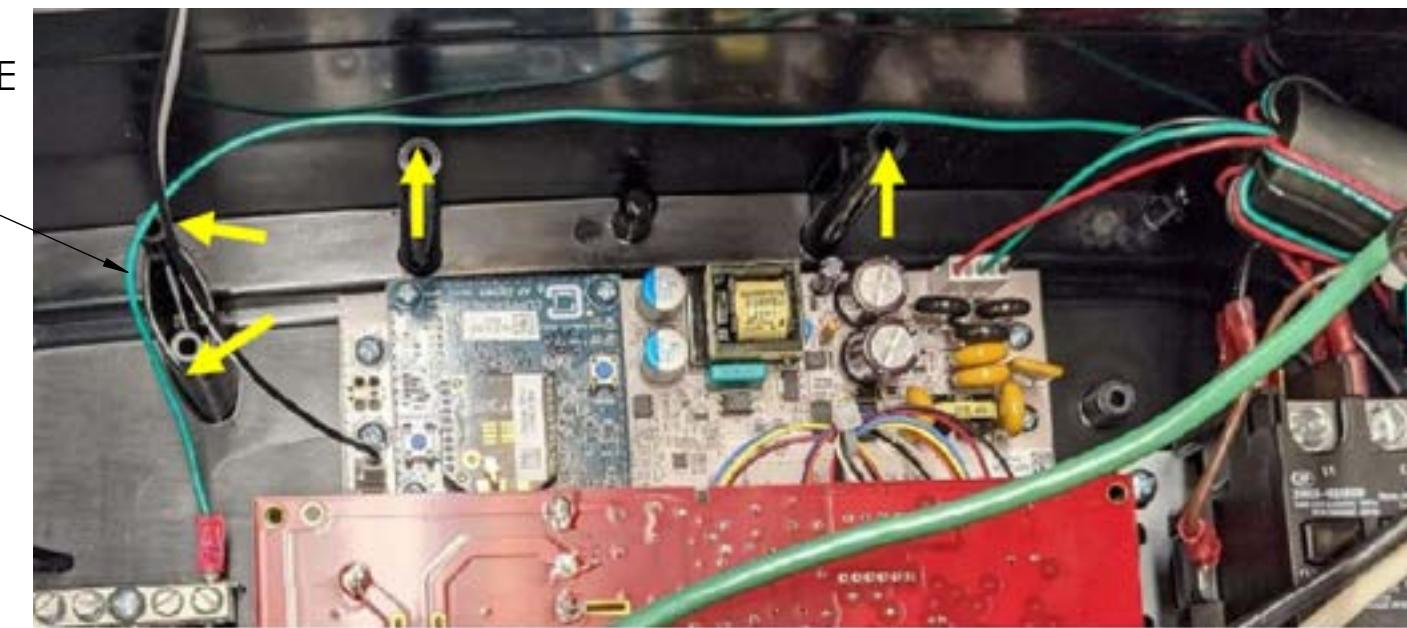


INSTALL WIRES TO CONTACTOR RELAY BLOCK L1 AND L2
TORQUE TO 25 IN-LBS
WITH TORQUE SCREWDRIVER.

PROPRIETARY AND CONFIDENTIAL		ENPHASE		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.				
SHEET SIZE	DRAWN ARUN DATE 15SEP2022	PART NUMBER 940-02000	REV 05	
THIRD ANGLE PROJECTION A3	REVIEWED ROJIV DATE 16SEP2022	SCALE NOT TO SCALE	SHEET 13 of 20	



ROUTE THE GREEN WIRE AROUND THE SUPPORT BOSSES



PROPRIETARY AND CONFIDENTIAL		ENPHASE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.			
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P		
SHEET SIZE	DRAWN ARUN	PART NUMBER	REV 05
	DATE 15SEP2022	940-02000	
THIRD ANGLE PROJECTION			
A3	REVIEWED RQJIV	SCALE NOT TO SCALE	SHEET 14 of 20
	DATE 16SEP2022		



INSERT THE OUTPUT CABLES
THROUGH STRAIN RELIEF
AND TIGHTEN THE NUT

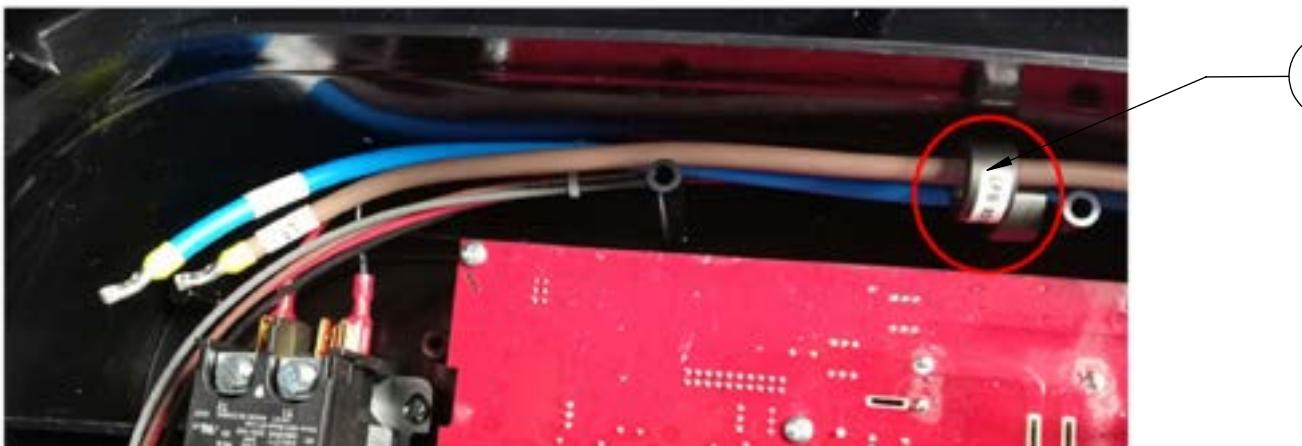


PROPRIETARY AND CONFIDENTIAL		ENPHASE		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.		TITLE		
SHEET	DRAWN BY	PART NUMBER	REV	A
SIZE	ARUN	940-02000	05	
DATE	15SEP2022			
REVIEWED	ROJIV	SCALE		
DATE	16SEP2022	NOT TO SCALE		
SHEET				
				15 of 20

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1
STEP 1 : PASS ONE OUTPUT CABLE THROUGH ONE FERRITE CORE.
ALIGN THE FERRITE CORE TO TOUCH THE PLASTIC BOSS.



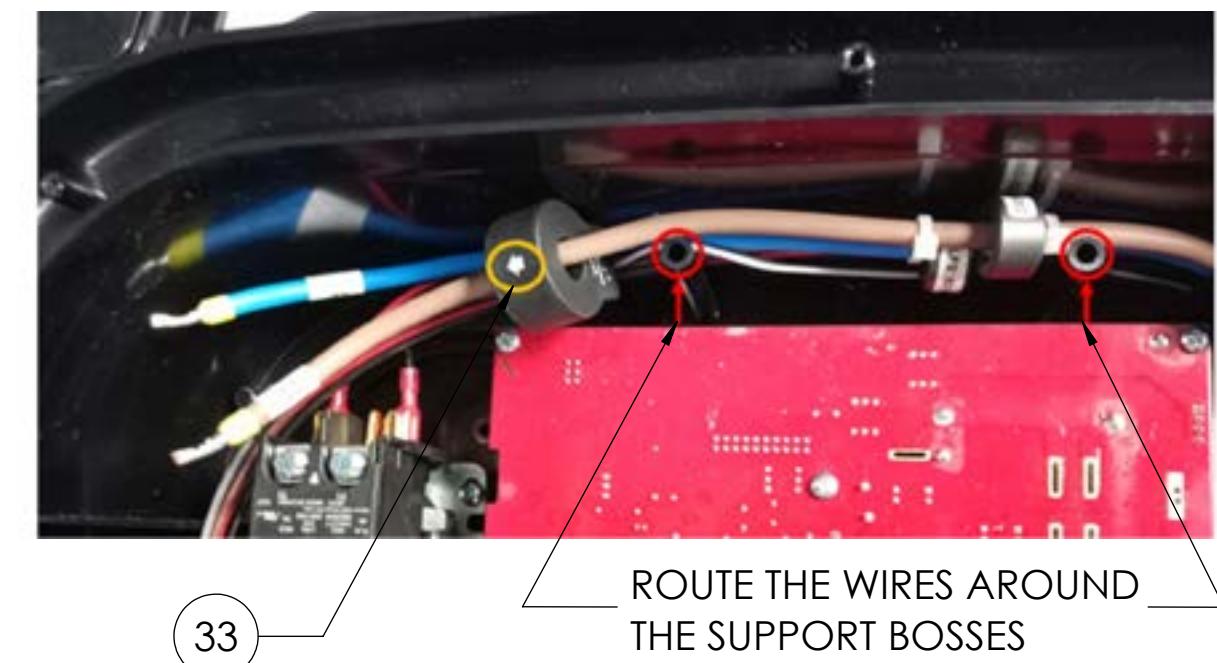
STEP 2 : PASS THE OTHER OUTPUT CABLE THROUGH ANOTHER FERRITE CORE.
ALIGN THE FERRITE CORE TO TOUCH THE FIRST FERRITE CORE.



STEP 3 : SECURE FERRITES FROM MOVING BY ATTACHING A TIE WRAP
FOR BOTH CABLES TOGETHER ON EITHER SIDE OF FERRITES



8 | 7 | 6 | 5 | 4 | 3 | 2 | 1
STEP 4 : OUTPUT WIRE T1 PASSING THROUGH THE CENTRE OF
CT WITH ARROW POINTING TOWARDS CONTACTOR



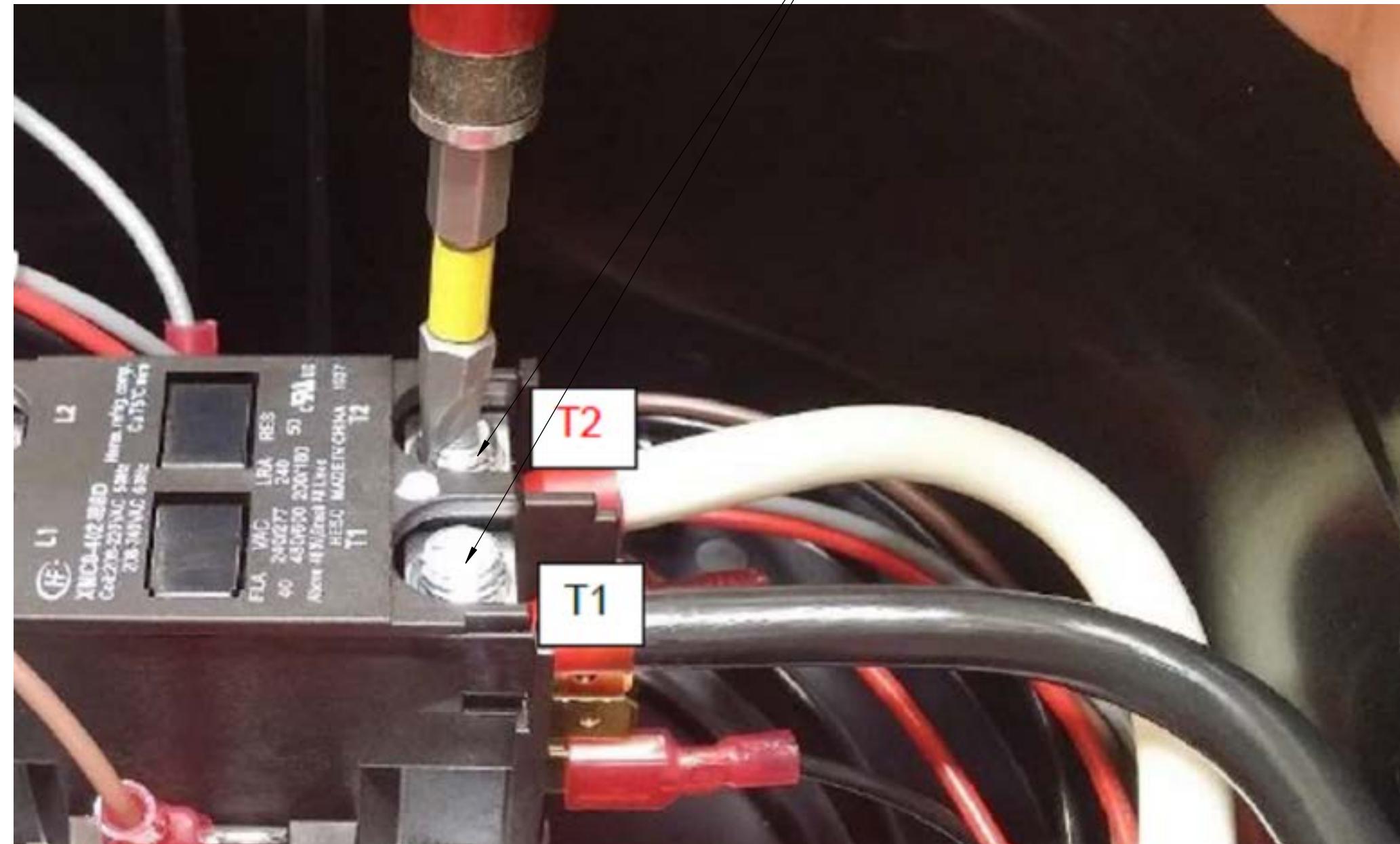
STEP 5 : ADD TIE WRAP ON ONE END TO SECURE CT AS
SHOWN BELOW



ADD
TIE WRAP

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.		ENPHASE	
TITLE General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P			
SHEET SIZE	DRAWN ARUN DATE 15SEP2022	PART NUMBER	REV 05
A3	15SEP2022	940-02000	
REVIEWED ROJIV DATE 16SEP2022	NOT TO SCALE	SCALE	SHEET 16 of 20

8 7 6 5 4 3 2 1

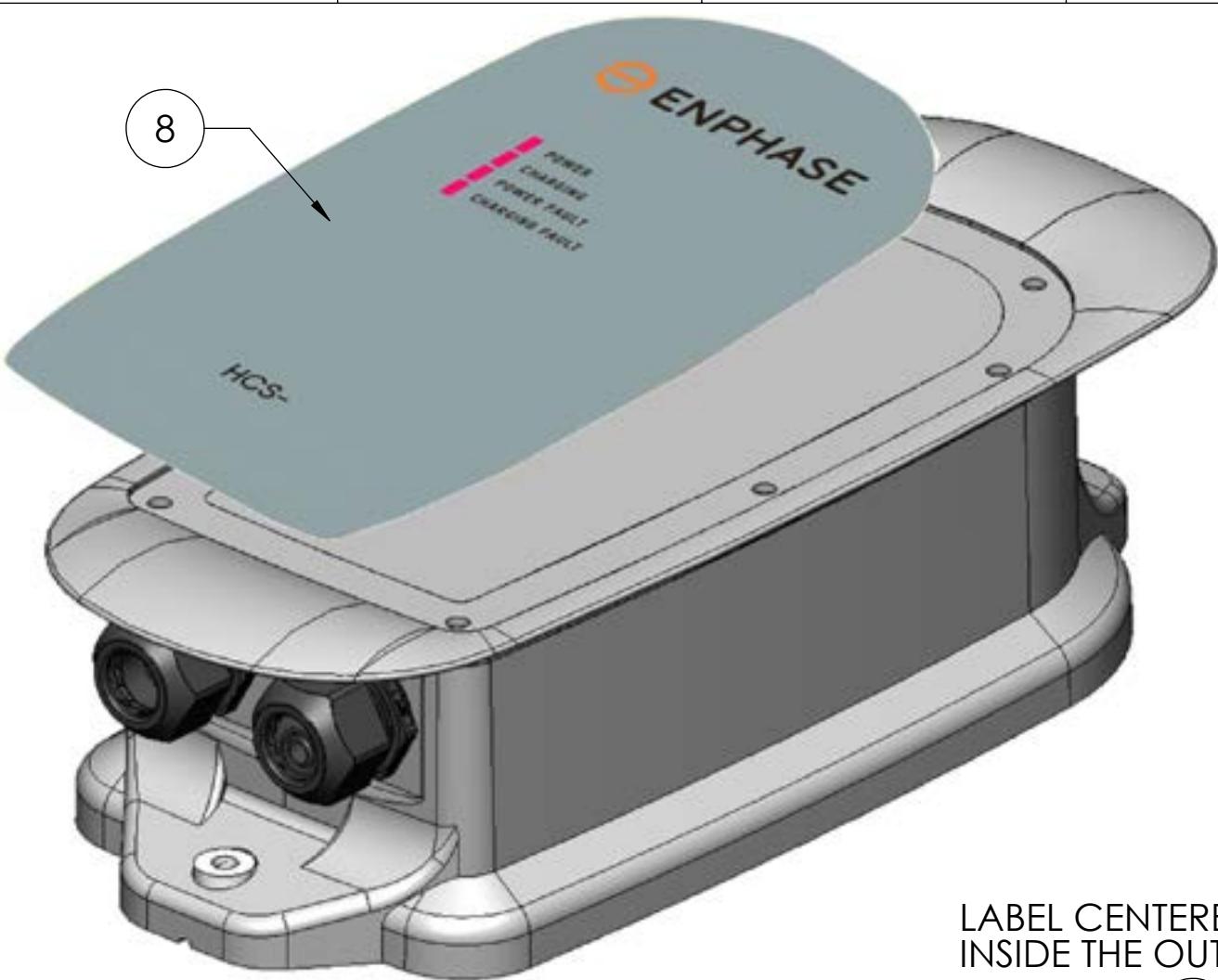


INSTALL OUTPUT CABLES TO CONTACTOR RELAY BLOCK T1 AND T2
TORQUE TO 25 IN-LBS
WITH TORQUE SCREWDRIVER.

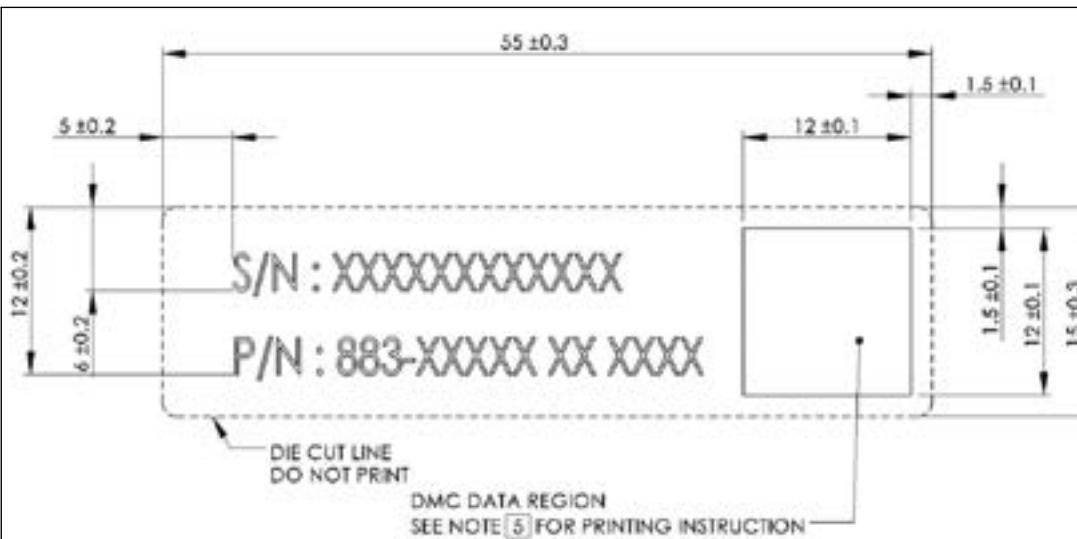
PROPRIETARY AND CONFIDENTIAL		ENPHASE	
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.			
TITLE	General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P		REV 05
SHEET A3	DRAWN ARUN SIZE 940-02000 DATE 15SEP2022 REVIEWED ROJIV DATE 16SEP2022	PART NUMBER 940-02000 REV 05	SCALE NOT TO SCALE
THIRD ANGLE PROJECTION		SHEET 17 of 20	

8 7 6 5 4 3 2 1

Version

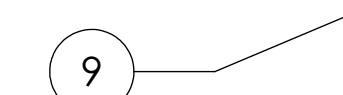


LABEL CENTERED INSIDE THE OUTLINE



LABEL PRINTING DETAILS

REFER PAGE 20 FOR SURFACE
PREPARATION BEFORE
APPLYING LABEL



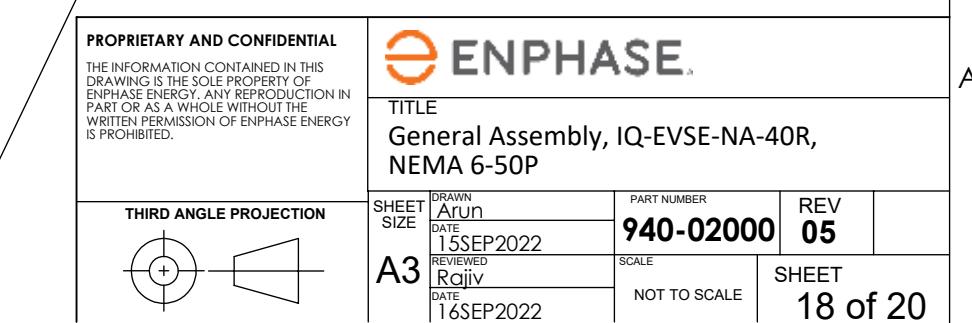
19 mm

SEE NOTE 4 FOR MORE DETAILS



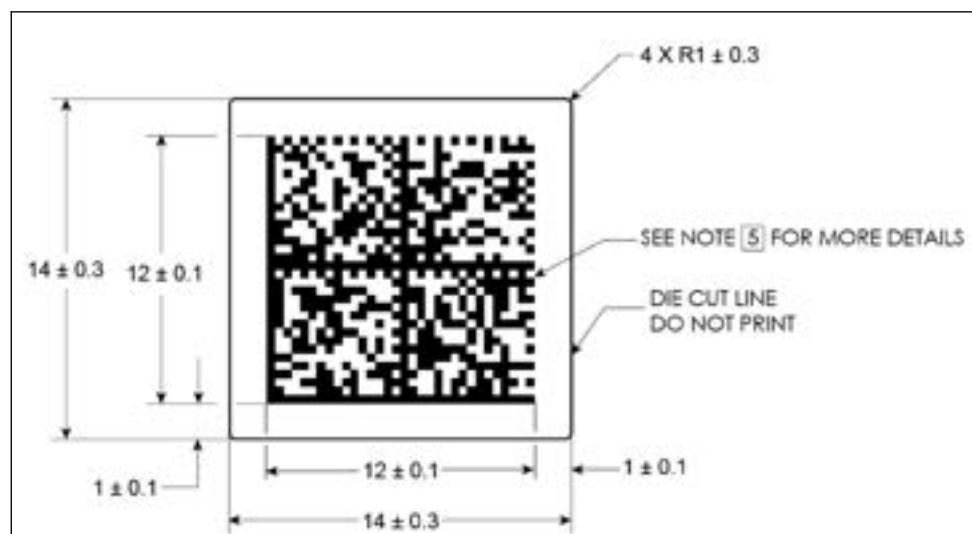
REFER PAGE 20 FOR SURFACE
PREPARATION BEFORE
APPLYING LABEL

REFER PAGE 19 FOR
LABEL PRINTING DETAILS

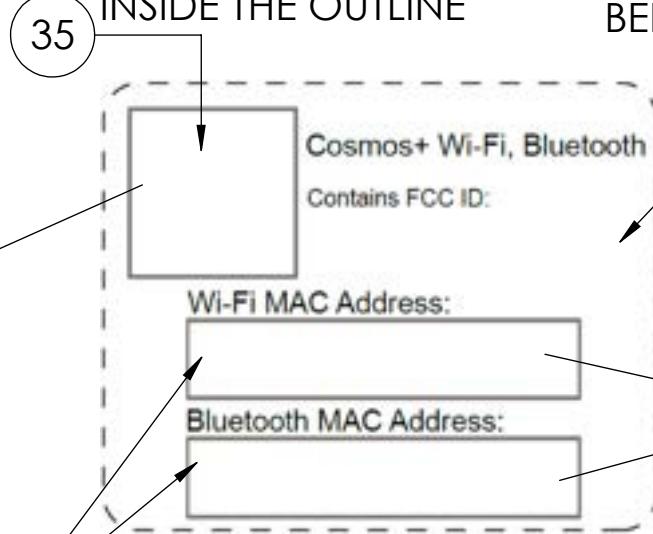


8 7 6 5 4 3 2 1

LABEL PRINTING DETAILS

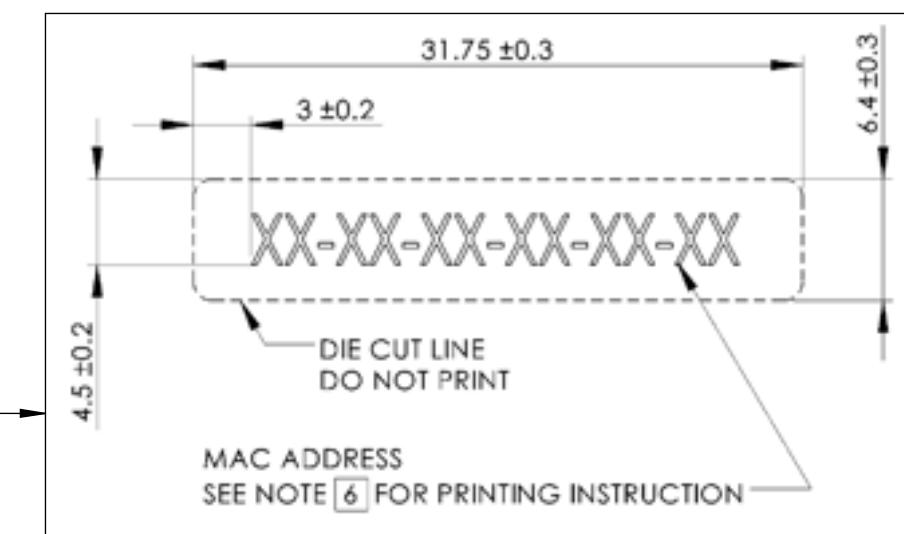


LABEL CENTERED
INSIDE THE OUTLINE



REFER PAGE 20 FOR
SURFACE PREPARATION
BEFORE APPLYING LABEL

LABEL PRINTING DETAILS



SEE NOTE 4 FOR MORE DETAILS.
PLACED IN THE CENTER
ON THE REAR PANEL



THE LABELS SHOWN IN THE DRAWING
IS FOR REPRESENTATION PURPOSE ONLY.

PROPRIETARY AND CONFIDENTIAL		ENPHASE		
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.				
SHEET SIZE	DRAWN ARUN DATE 15SEP2022	PART NUMBER 940-02000	REV 05	
THIRD ANGLE PROJECTION				
A3	REVIEWED ROJIV DATE 16SEP2022	SCALE NOT TO SCALE		SHEET 19 of 20

Surface preparation for applying the Labels and Antenna mounting

- Most substrates are best prepared by wiping (in one direction) with a 50:50 mixture of isopropyl alcohol (IPA) and water.
- Where heavy oils or greases are present, there may be a need to first cut the oil with a “degreasing” solvent. This should always be followed by cleaning with IPA/water mixture.
- Abrasion or scuffing of the surface will in many instances enhance adhesion by increasing the surface area available for bonding. Scuffing must be followed by cleaning with IPA/water mixture.
- The surface must be dry



NOTE:

- The technical information and data provided within should be considered representative or typical only and should not be used for specification purposes.
- User should evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of application.

PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ENPHASE ENERGY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF ENPHASE ENERGY IS PROHIBITED.		ENPHASE	
TITLE General Assembly, IQ-EVSE-NA-40R, NEMA 6-50P			
SHEET A3	DRAWN ARUN SIZE 15SEP2022 DATE 16SEP2022 REVIEWED RQJIV DATE 16SEP2022	PART NUMBER 940-02000 REV 05	SCALE NOT TO SCALE
			20 of 20