REV	BY	DESCRIPTION	DATE	APPROVED
1	LAC	PROTOTYPE RELEASE	12/7/05	
2	LAC	REVISED	3/27/06	MM

NOTES: UNLESS OTHERWISE SPECIFIED

SUGGESTED ORDER OF ASSEMBLY :

INSTALL THE TWO .1 SQUARE THERMAL PADS (ITEM 29) TO HEATSINKS ON HUB CASTING AS SHOWN.

INSTALL HEATSINK (ITEM 28) TO MODEM BOARD (ITEM 2) AS SHOWN. APPLY 15 LBS OF PRESSURE FOR 30 SECONDS TO HEATSINK TO SET ADHEASIVE.

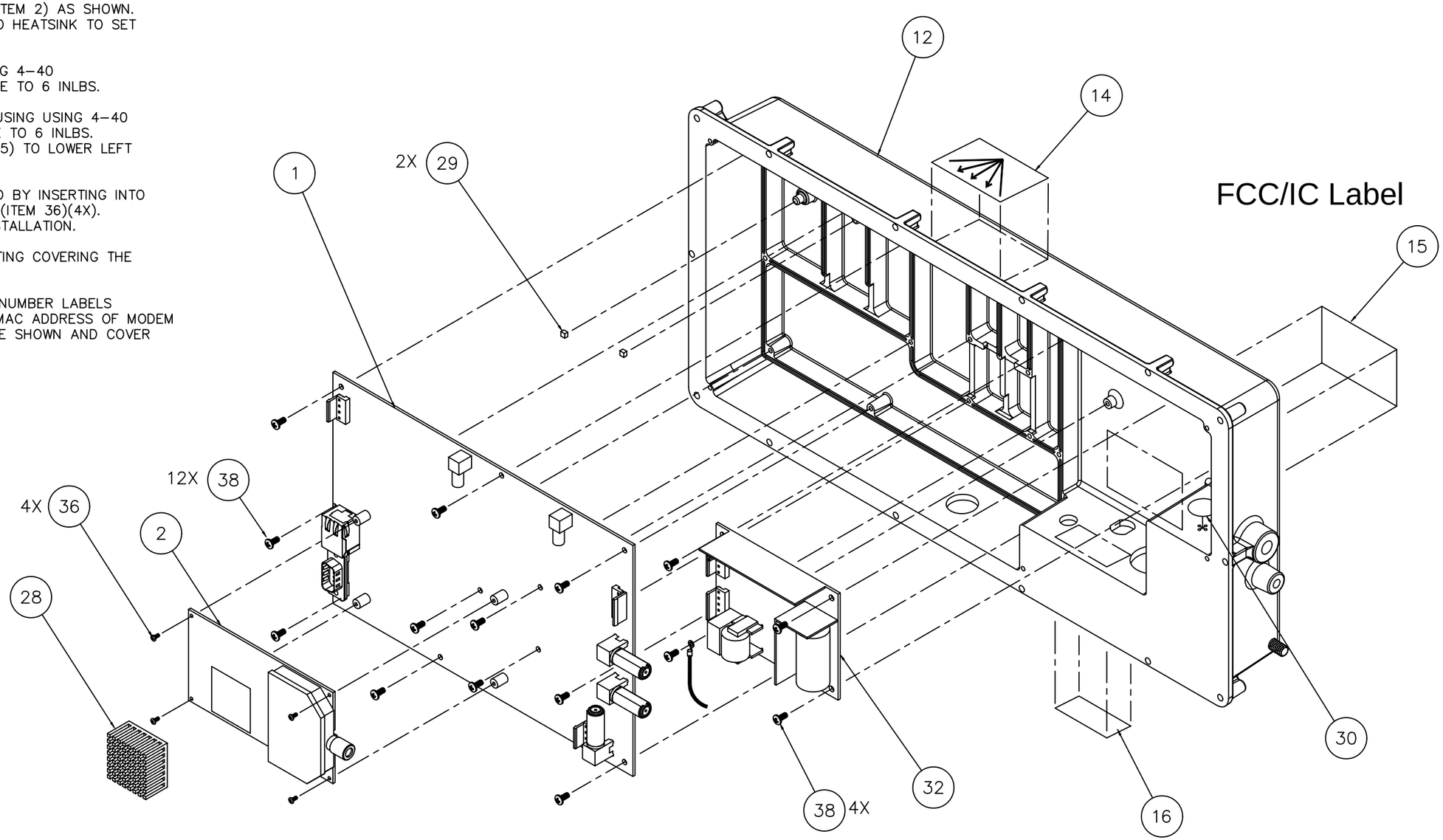
INSTALL AX501 BOARD (ITEM 1) TO HOUSING USING 4–40 THREAD ROLLING SCREWS (ITEM 38)(12X). TORQUE TO 6 INLBS.

INSTALL POWER SUPPLY BOARD (ITEM 32) TO HOUSING USING 4–40 THREAD ROLLING SCREWS (ITEM 38)(4X). TORQUE TO 6 INLBS. ATTACH GROUND LUG OF ETHERNET CABLE (ITEM 5) TO LOWER LEFT MOUNTING SCREW AT THIS TIME.

INSTALL MODEM BOARD (ITEM 2) TO AX501 BOARD BY INSERTING INTO 50 PIN CONNECTOR, SECURE WITH 2–56 SCREWS (ITEM 36)(4X). APPLY LOCTITE TO SCREW THREADS PRIOR TO INSTALLATION.

INSTALL MEMBRANE VENT (ITEM 30) TO HUB CASTING COVERING THE 5 VENT HOLE PATTERN AS SHOWN.

INSTALL ANTENNA ORIENTATION AND FCC/SERIAL NUMBER LABELS (ITEMS 14 AND 15) AS SHOWN. MAKE NOTE OF MAC ADDRESS OF MODEM AND MAKE LABEL, APPLY TO BOTTOM EDGE WHERE SHOWN AND COVER WITH CHRYSTAL LABEL (ITEM 16).



ITEM NO.	ZONE	MATERIAL/SPECIFICATION	NOMENCLATURE OR DESCRIPTION	PART OR IDENTIFICATION NUMBER	QTY REQD

3RD ANGLE PROJECTION

LIST OF MATERIAL OR PARTS LISTS

MATERIAL:

SPECIFICATIONS:
ALL DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN [XXX] ARE IN INCHES.

TOLERANCES: ANGLES: ± 1°
X.: ± 1.5 [.X : ± .06]
.X: ± 0.5 [.XX : ± .020]
.XX: ± 0.15 [.XXX : ± .005]

FINISH:

ALL SURFACES 63 EXCEPT AS NOTED

DO NOT SCALE

DRAWN: LAC	DATE: 12/7/05	
CHECKED:	DATE:	
ENGINEER:	DATE:	
MFG.:	DATE:	
Q.A.:	DATE:	

ARCWAVE
THE STANDARD OF WIRELESS

ASSEMBLY DRAWING
S3 HUB

SIZE	CLASS CODE	DRAWING NUMBER	REV
D		931–16551–001	2

SCALE: 1/1 FILE 931–16551–001_RG1 SHEET 1 OF 5

DASH NO.	NEXT ASSY	USED ON
APPLICATION		

PROPRIETARY INFORMATION
THE INFORMATION CONTAINED HEREIN IS TO BE USED FOR BIDDING/MANUFACTURING PURPOSES TO THE RECIPIANT ONLY. IT SHALL NOT BE DISCLOSED OR DIVULGED TO ANY THIRD PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF ARCWAVE INC.