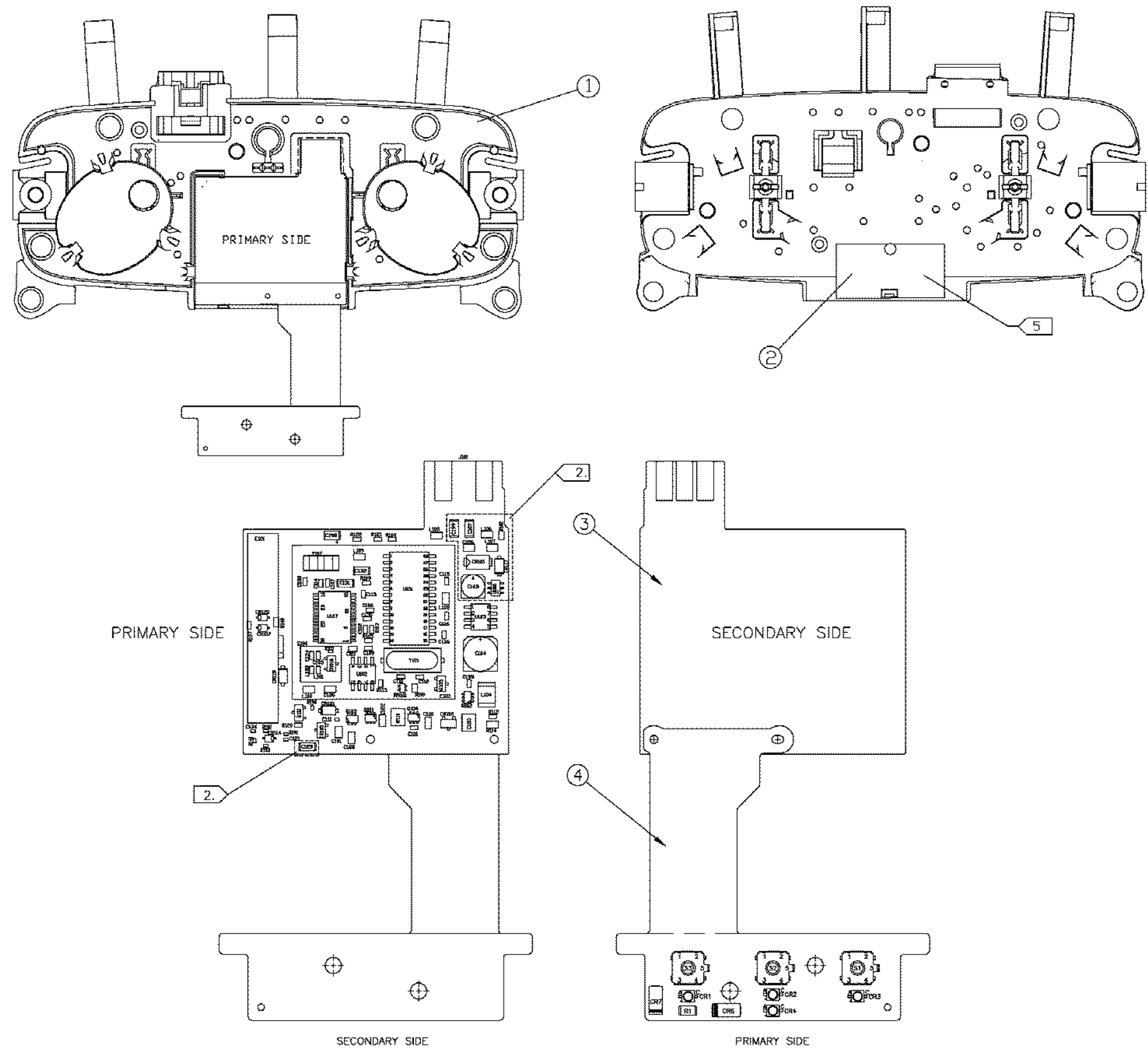
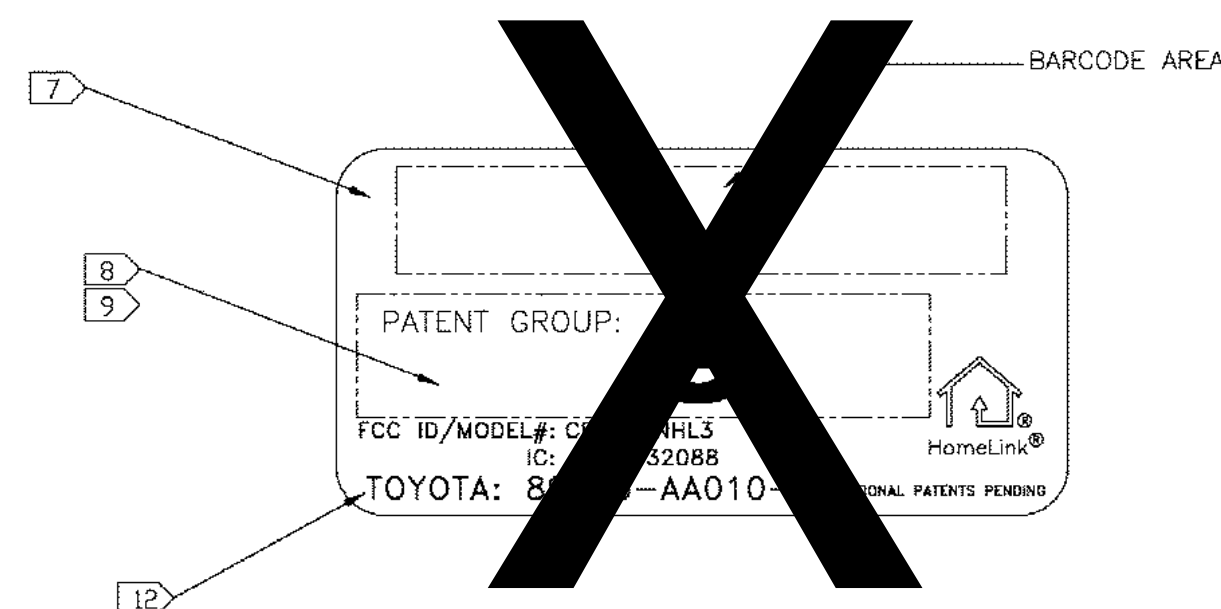


REVISION HISTORY				
REV	DESCRIPTION	BY/DATE	ECO NO.	APPROVED
AAA	RELEASE TO PRODUCTION FROM JCI DWG. AND PART REV. 10	CDP 3/11/14	-	-



VIEW FOR REFERENCE ONLY



NOTES:

1. REFERENCE IPC-A-610 STANDARDS FOR ASSEMBLY PRACTICES AND PROCEDURES, UNLESS OTHERWISE SPECIFIED.
2. CONFORMAL COATING MUST BE APPLIED TO AREAS INDICATED BEFORE FLEX CIRCUIT (ITEM 4) IS LAP SOLDERED TO PCB ASSEMBLY (ITEM 3).
3. ATTACH ITEM 4 TO ITEM 3 USING LAP SOLDER PROCESS.
4. AFTER LAP SOLDER PROCESS, UNIT MUST BE FUNCTIONALLY TESTED.
5. ATTACH BAR CODE/PATENT NUMBER LABEL (ITEM 2) TO OUTSIDE OF BULB CARRIER IN AREA INDICATED. DO NOT COVER MARKINGS ON HOUSING.
6. TO ASSEMBLE INTO PLASTIC, INSERT MAIN BOARD (ITEM 3) INTO EDGE CONNECTOR INTERLOCK ON ITEM 1.
7. ASSEMBLER IS TO PRINT LABEL INFORMATION AS SHOWN, USING ADHESIVE LABEL (ITEM 2).
8. REFER TO LATEST REVISION OF DRAWING V02245 FOR ACTUAL PATENT NUMBERS FOR THE PATENT GROUP IDENTIFIED.
9. LAY OUT PATENT NUMBERS TO FIL SPACE AVAILABLE, BUT NATION / ORGANIZATION OF ORIGIN MUST BE IDENTIFIED. FOR CORRESPONDING PATENT NUMBERS, AS SHOWN ON LATEST REVISION OF DRAWING V02245.
10. THE NVM ON EACH PART WILL BE PROGRAMMED WITH THE FOLLOWING POWER LEVEL SETTINGS FOR FCC COMPLIANCE.

REGION	FREQ. RANGE (MHz)	ROW POWER LEVEL (U01) (REFERENCE PCB 1185501 DRAWING A)	NM ADDRESS	PCC CERTIFIED POWER (NM DATA)	NEEDS TO BE PROGRAMMED IN NM
0	288-303	0x0F5	0x0D	0x0CF1	YES
1	303-321	0x0BF2	0x0E	0x0AF3	YES
2	336-360	0x0CF2	0x0F	0x0BF2	YES
3	360-380	0x0F1	0x10	0x0F1E	YES
4	380-399	0x12E1	0x11	0x1BE5	YES
5	411-420	0x0CEB	0x12	0x11EC	YES
DEFAULT CODE		0x0CE2	0x14	0x2AD3	YES
VEHICLE ID		0x0C0D	0x13		NO
MAX TX POWER		0x0EFF	0x1A		NO

NOTE: THE NVM VALUE INCLUDES A SELF CHECK. HIGH BYTE IS THE ACTUAL VALUE. LOW BYTE IS COMPLIMENT OF HIGH BYTE + 2.

11. TRAINING SENSITIVITY

A. THE RECEIVER THRESHOLD IS PROGRAMMED IN NVM ADDRESS 0x04. MEASURE RSSI AT NOISE WITH A $-55\text{dBm} \pm 260.7\text{MHz}$ SIGNAL AND $\text{VCC} \approx 250\text{mHz}$.
THE RECEIVER THRESHOLD = $12.22 + (0.116 \times \text{RSSI})$.

B. THE RECEIVER THRESHOLD IS PUT IN THE UPPER BYTE, THE LOWER BYTE IS THE UPPER BYTE +2, THEN INVERTED.

12. CHARACTER HEIGHT OF THE "TOYOTA" AND THE TOYOTA PART NUMBER SHALL BE .050 [1.27].

PART NUMBER: 1116300 REVISION 10

MANUALLY ASSEMBLED PARTS:				
LOCATION	DESCRIPTION	PART#	QTY	PACKAGE
1	HSG BULB CARRIER	1108598-2	1	TH_FAKEPART
2	LABEL STOCK, 75 X 1.5	VJ6845	1	TH_FAKEPART
3	PCB ASM HMLK I11 DH	1188964-3	1	TH_FAKEPART
4	PCB ASM 300N FLEX REV C	VGS942-C	1	TH_FAKEPART

ELECTRONICS STD. UNLESS OTHERWISE SPECIFIED		PROJECT		DRAWN BY S. GOOD		DATE 13SEP60	
 THIRD ANGLE PROJECTION		02 300N OH		DESIGNED BY A. DENBOW CHECKED BY A. VONDERWALL		DATE 13SEP60	
DO NOT SCALE		CUSTOMER TOYOTA		SCALE NONE SHEET 1 OF		DATE 13SEP60	
X.X DECIMAL ± 0.040 [± 1.0] X.XX DECIMAL ± 0.020 [± .50] X.XXX DECIMAL ± 0.005 [± .125]		ANGULAR ± 2° 0' DRAFT ANGLES NOTED		SIZE D TOOL NO. REF. DATA FORMAT ACAD		DWG. NO. 11166309	
DIMENSIONS ARE IN INCHES WITH EQUIVALENT MILLIMETERS SHOWN IN BRACKETS.				RELEASED		JCI CONFIDENTIAL	

[illegible]

-	1	HSG ASM, TOYOTA 300N BULB CARRIER	1108597	625-0977-000
1	2	LABEL STOCK, 0.75 X 1.5	VJ6845	375-0902-000
1	3	PCB ASM, HMLK3 OHC	1188964	605-5534-000
1	4	PCB ASM, 300N FLEX	VG5942	725-0054-000
QTY	ITEM	DESCRIPTION	JCI PART NO.	GENTEX PART NO.
1116309	JCI DRAWING NO.			
1116300	JCI PART NO.			
FINAL ASM, TOYOTA 375N OHC W/MICS	JCI DESCRIPTION			
960-0209	GENTEX PART NO.			

****PRELIMINARY****

GENTEX CORPORATION		600 NORTH CENTENNIAL ST ZEELAND, MICHIGAN 49464 (616) 772-1800																					
TITLE																							
FINAL ASM, TOYOTA 300N OHC																							
NOTES: SPECIFIES FEATURES REQUIRING SPECIAL CONSIDERATION. SEE CONTROL PLAN. INTERPRET DIMENSIONS AND TOLERANCE PER ASME Y14.5M - 1994		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">SIZE</td> <td style="width: 15%;">DWG NO.</td> <td style="width: 40%;">REV</td> </tr> <tr> <td style="text-align: center;">D</td> <td style="text-align: center;">960-0196</td> <td style="text-align: center;">AAA</td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">MATERIAL</td> <td style="width: 40%;">MASS (CALCULATED)</td> </tr> <tr> <td style="text-align: center;">SEE DWG.</td> <td style="text-align: center;">na</td> </tr> <tr> <td style="text-align: center;">DRAWN BY</td> <td style="text-align: center;">DATA FORMAT</td> </tr> <tr> <td style="text-align: center;">CPOLLACK</td> <td style="text-align: center;">CATIA V5</td> </tr> <tr> <td style="width: 30%;">SCALE</td> <td style="width: 30%;">DATE</td> <td style="width: 40%;">SHEET</td> </tr> <tr> <td style="text-align: center;">na</td> <td style="text-align: center;">3/11/2014</td> <td style="text-align: center;">1 OF 1</td> </tr> </table>		SIZE	DWG NO.	REV	D	960-0196	AAA	MATERIAL	MASS (CALCULATED)	SEE DWG.	na	DRAWN BY	DATA FORMAT	CPOLLACK	CATIA V5	SCALE	DATE	SHEET	na	3/11/2014	1 OF 1
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