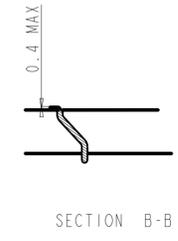
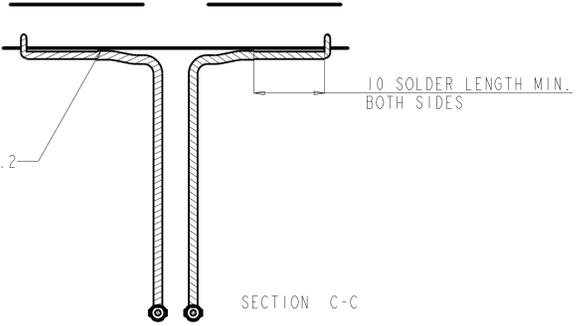
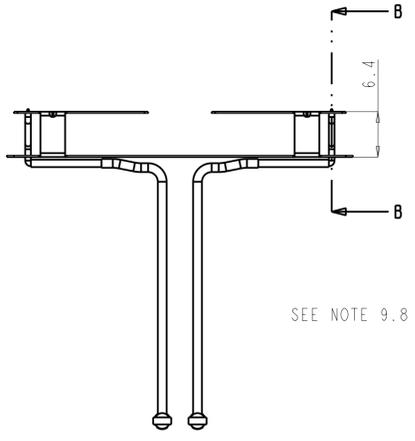


SEE NOTES 9.1 & 9.2

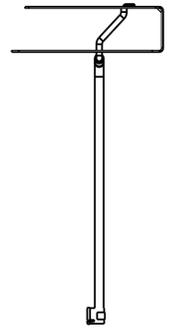


SECTION B-B

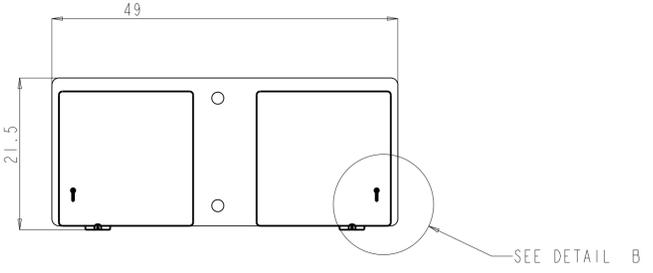
- NOTES:
- DESCRIPTION AND APPLICATION: INTERNAL ANTENNA FOR USE IN PORTABLE COMMUNICATION EQUIPMENT.
 - APPLICABLE DOCUMENTS: MECHANICAL SPECIFICATION.
 12M80967A78.....MOTOROLA VENDOR MATERIAL QUALITY CONTROL.
 12S10334A.....MOTOROLA APPEARANCE STANDARD.
 12S10601A.....MOTOROLA PACKAGING RULES FOR VENDORS.
 12M05002A71.....PROCEDURE FOR TUNING, CAPPING, MARKING AND TESTING
 12M05022A85.....QUALIFICATION PROCEDUREFOR ANTENNAS.
 - REQUIREMENTS:
 3.1 PART SHALL BE CLEAN AND FREE OF ALL FOREIGN MATTER.
 3.2 PACKAGING PER SHIPMENT PER 12S10601A.
 - WEIGHT: 6 Gr MAX.
 - ENVIRONMENTAL CONDITIONS:
 TEMPERATURE: -40° TO +85°C DEG. FUNCTIONALLY OPERATING OF BOTH ELECTRICAL & MECHANICAL.
 HUMIDITY: 50C DEG. 90-95% R.H. NON CONDENSING.
 - ELECTRICAL REQUIREMENTS:
 6.1 PIFA ANTENNA : ANTENNA SHALL BE TUNED TO : 2400-2485MHz FREQUENCY RANGE.)
 6.2 RETURN LOSS (WITH COAXIAL CABLE) : -8.5dB MIN AT THE FREQUENCY BAND.
 - VENDOR QUALITY ASSURANCE PROVISIONS: PER 12M80967A78.
 PRODUCTION LOTS: VENDOR SHALL MEASURE DIMENSIONS OR PARAMETERS ON A MINIMUM OF (5) RANDOMLY SELECTED PARTS FROM THE LOT FOR DIMENSIONS OR PARAMETERS MARKED AS A CRITICALCHARACTERISTICS. DATA MUST BE INCLUDED AND PARTS MEASURED IDENTIFIED WITH THE LOT SHIP TO MOTOROLA.
 - EXCEPTIONS: NO CHANGE SHALL BE ALLOWED ON PRODUCTION MATERIAL, REGARDLESS OF WHETHER SUCH CHANGE AFFECTS REQUIREMENTS SPECIFIED, WITHOUT PRIOR EXPLICIT WRITTEN APPROVAL BY MOTOROLA PHYSICAL DESIGN ENGINEERING AND PURCHASING DEPARTMENT.
 - ASSEMBLY INSTRUCTIONS
 9.1. INSERT THE ISOLATOR TO THE HOLE IN THE LOWER WINGS OF THE ANTENNA AND TO THE UPPER WINGS.
 9.2. LOCATE THE CABLE'S SHEILDING ON THE BASE.
 9.3. SOLDER ALL THE EXPOSED SHEILDING TO THE ANTENNA BASE BOTH SIDES OF THE SHIELD.
 9.4. USE ONLY SOLDER WITH NO CLEAN FLUX.
 9.5. LOCATE THE INNER CONDUCTOR ON THE UPPER WINGS.
 9.6. SOLDER THE INNER CONDUCTOR TO THE WINGS.
 9.7. USE IPA TO CLEAN THE SOLDERED AREA.
 9.8. MARK WITH RED INK CIRCLE OF Ø3 MM ON THE POINTED CABLE.
 10. PACKAGING MUST PROTECT THE ANTENNA WIRE FROM ANY KIND OF DAMAGE



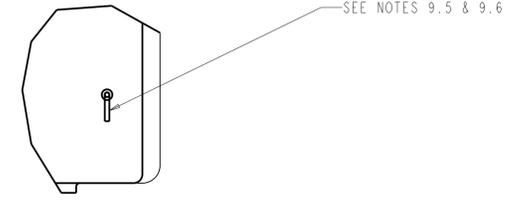
SEE NOTE 9.8



SECTION C-C

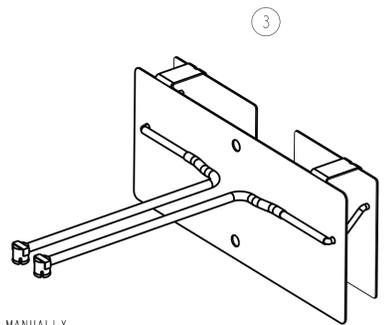
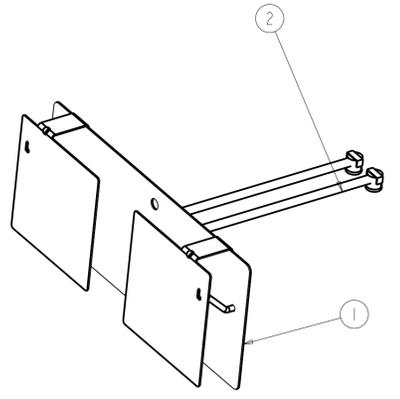


VIEW A-A

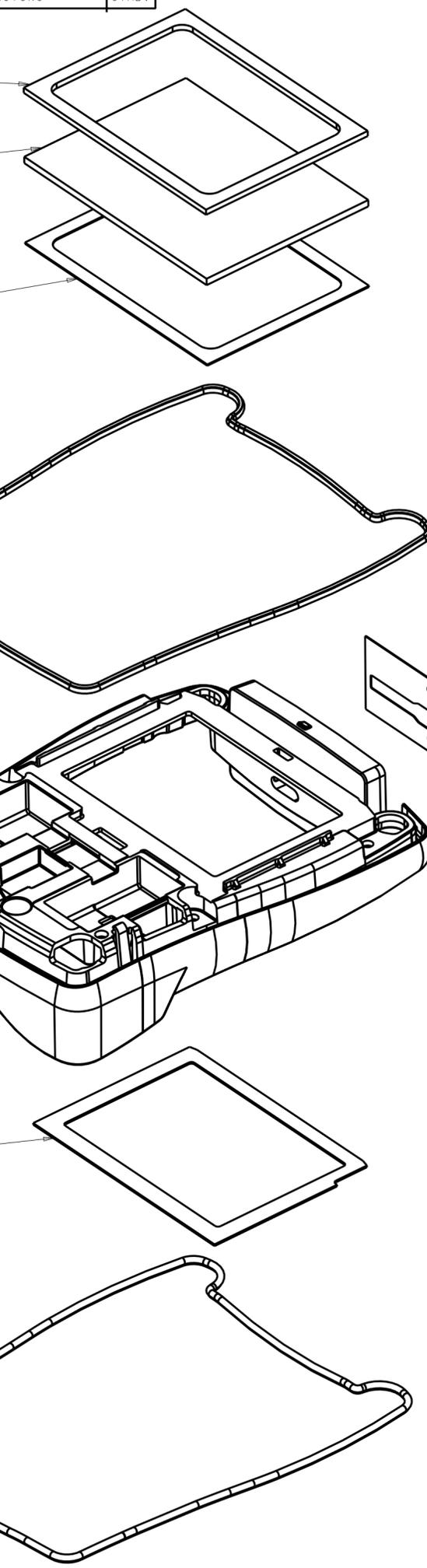


DETAIL B
SCALE 5.000

No.	P/N	DESCRIPTION	QTY	NOTES
1	0786719U01	ANTENNA, BASE	1	
2	3086720U01	CABLE, ANTENNA	2	
3	1108179U01	ADHESIVE, ANTENNA	1	



DATA BASE:		DESCRIPTION		CAT. NO.
TOLERANCES: GENERAL: HOLES: ANGLES: THREADS:	PLATING: /	MATERIAL: /	 ANTENNA, ASSY	
GRAPHICS: 	PAINTING: /	FINISH: /		
DESIGNED	DAVID B-S	FEB 4,01	CHECKED	ROTMAN ARIK
DRAWN	DAVID B-S	FEB 4,01	APPROVED	ELI MARGA
SCALE	2:1	SHEET	1/1	85B86330U01
				T2



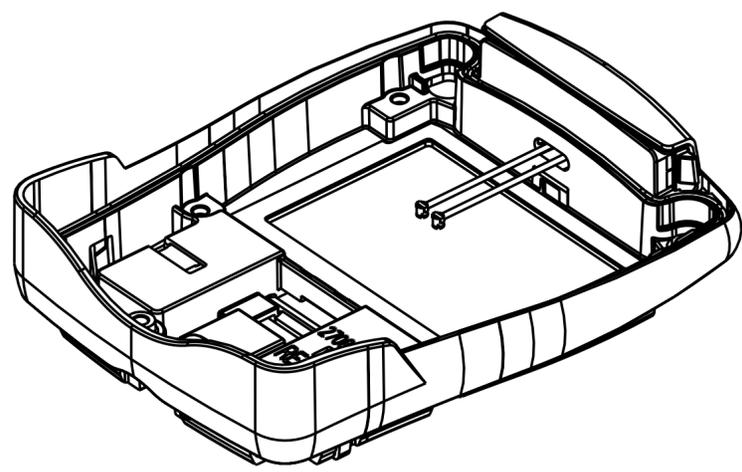
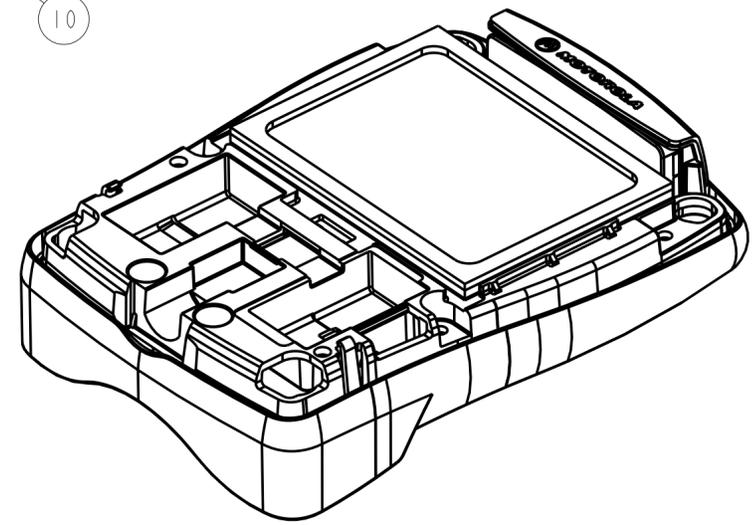
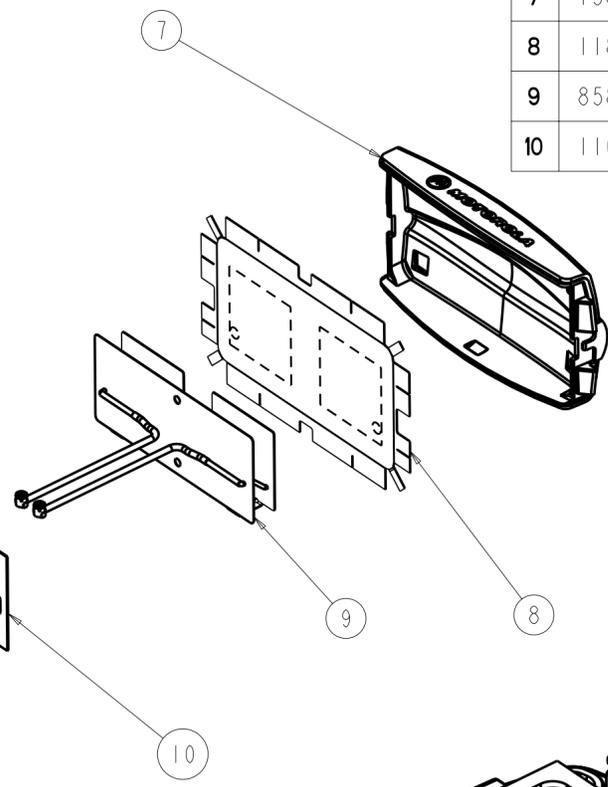
	PART NUMBER	DESCRIPTION	QTY	NOTES
1	7508171U01	PAD WINDOW	1	
2	6108169U01	LCD WINDOW (GLASS)	1	ALL ADHESION SURFACES TO BE CLEANED WITH ALCOHOL
3	1108176U01	ADHESIVE WINDOW	1	
4	3286655U01	SEAL SILICONE	2	
5	2708172U01	CARRIER	1	ALL ADHESION SURFACES TO BE CLEANED WITH ALCOHOL
6	7508181U01	SPONGE DISPLAY DUST	1	
7	1586332U01	ANTENNA COVER	1	
8	1187823U01	INTERNAL ANTENNA COVER	1	TO BE ADHERD TO CARRIER
9	8586330U01	ANTENNA ASSEMBLY	1	
10	1108179U01	ADHESIVE ANTENNA	1	

REV	DESCRIPTION	MEMO

NOTE: AFTER ADHESION OF WINDOW APPLY A SHEET OF PROTECTING NYLON ON BOTH SIDES OF GLASS .

1. ELECTRICAL REQUIREMENTS:

- 1.1 PIFA ANTENNA : ANTENNA SHALL BE TUNED TO : 2400-2485 MHz FREQUENCY RANGE.
- 1.2 RETURN LOSS (WITH COAXIAL CABLE) : -10dB MIN AT THE FREQUENCY BAND.



SCALE 1.0

SCALE 1.0

DATA BASE:		DESCRIPTION		CAT. NO.	
TOLERANCES: GENERAL: HOLES: ANGLES: THREADS:	PLATING: _____	MATERIAL: _____	 CARRIER HARDWARE ASSY.		
GRAPHICS: _____	PAINTING: _____	FINISH: _____			
DESIGNED S. FRANKLIN 11.06.01	CHECKED A. ROTMAN 11.06.01	DRAWN S. FRANKLIN 11.06.01	APPROVED E. MARGALIT 11.06.01	SCALE	SHEET
				01C86952U01	
				T2	