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MANUFACTURING INSTRUCTIONS:

NOTES:

- 1.CLEAN PRINTED CIRCUIT BOARDS PER 73-000137-000.
- 2.SCREEN PRINT AND INSPECT SIDE 2 PER 73-000112-000
- 3.LOAD SMT COMPONENTS ON SIDE 2 WITH PICK AND PLACE MACHINE OR MANUALLY LOAD.
- 4.INSPECT COMPONENT ALIGNMENTS.
- 5.CONNECTION REFLOW SOLDER JOINTS, USING PROFILE BQ#1.
- 6.CLEAN PRINTED CIRCUIT BOARDS PER 73-000137-000.
- 7.INSPECT PER 73-000119-000.
- 8.INSTALL ALL THRU HOLE COMPONENTS AND SOLDER USING SOLDER 27-100002-000.
- 9.CLEAN PRINTED CIRCUIT BOARDS PER 73-000137-000.
- 10.INSTALL PROGRAMMED U1, FIND #15 IN SOCKET AS SHOWN.

- 1.THESE PRINTED CIRCUIT BOARD ASSEMBLIES ARE BUILT TO AND COMPLY WITH IPC-A-610, CLASS 2 OR BETTER.
- 2.THIS ASSEMBLY IS ESD SENSITIVE.

3.STEPS TEN AND FOURTEEN ARE SKIPPED FOR -001 ASSEMBLY.

NOTE: MAKE SURE PIN ONE ORIENTATION IS CORRECT AND THAT NO LEADS ARE BENT DURING INSERTION INTO SOCKET.

- 11.INSTALL RUBBER BUMPERS FIND #24 ON SIDE TWO AS SHOWN.
- 12.DEPANEL PER 73-000122-000.
- 13.INSPECT PER 73-000119-000.
- 14.TEST PER 88-000004-000.
- 15.PACKAGE FOR SHIPPING PER 73-000142-000.
- 16.Q.C. FINAL VISUAL.

REVISIONS		
LTR	DESCRIPTION	DATE
C	INITIAL RELEASE	7/20/98
D	PER ECO# 980106	12/9/98
E	PER ECO# 990050	7/26/99
F	PER ECO# 010010	8/28/01

27	A/R	A/R	N/A	27-100001-000	SOLDER,PASTE,SN63, PB37, RMA
26	A/R	A/R	N/A	27-100002-000	SOLDER,WIRE,ROSIN CORE,.031"DIA.,RMA
25	4	4	RB	23-9000J1-009	RUBBER, BUMPER, PSA, BLACK, TYPE SPC2568
24	1	1	P1	23-9000J1-006	CONNECTOR, DC POWER JACK, RIGHT ANGLE, RAPC722
23	1	1	J2	23-9000J1-007	CONNECTOR, DB-9, FEMALE, AMP, 747844-4
22	1	1	J3	23-9000J1-004	TERMINAL BLOCK, AKZ500/2WP
21	1	1	J1	23-9000J1-005	TERMINAL BLOCK, AKZ500/6WP
20	1	1	SC1	23-9000J1-008	SOCKET, DIP, 28 PIN, ICE-283-S-TG
19	1	1	Y1	23-82004M-001	RESONATOR, CAP., 4.00 MHZ
18	1	1	U3	23-427710-000	VOLTAGE REGULATOR, 5V, sci17710YBA, SOT89
17	1	1	U2	23-420272-000	OP AMP, TLC272, SOIC8
16	1		U1	23-441666-001	INTEGRATED CIRCUIT, PIC16C66-04/sp, 28 PIN DIP
15	1	1	Q2	23-81PFE1-003	TRANSISTOR, FEI, P-CH, ZVP3306F, SOT23
14	2	2	Q1,Q3	23-81NFE1-004	TRANSISTOR, FEI, N-CH, 2N7002, SOT23
13	2	2	D7,D8	23-8000S1-003	DIODE, DUAL, SWITCHING, BAV70, SOT23
12	8	8	D1-D5 D9,D10,D12	23-8000Z1-009	DIODE, ZENER, 5.6V, 5 ma, BZX84C5V6, SOT23
11	1	1	D11	23-8000Z1-013	DIODE, ZENER, 12V, 350 ma, BZX84C12LT1, SOT23
10	1	1	R22	23-700103-013	RESISTOR, 10K OHM, 1/10W, 5%, 0805
9	1	1	R20	23-700474-013	RESISTOR, 470K OHM, 1/10W, 5%, 0805
8	1	1	R19	23-700472-013	RESISTOR, 4.7K OHM, 1/10W, 5%,0805
7	1	1	R17	23-700201-013	RESISTOR, 200 OHM, 1/10W, 5%,0805
6	5	5	R13-R16 R21	23-700104-013	RESISTOR, 100K OHM, 1/10W, 5%, 0805
5	2	2	R4,R8	23-700153-013	RESISTOR, 15K OHM, 1/10W, 5%, 0805
4	11	11	R1-R3 R5-R7 R9-R12 R23	23-700101-013	RESISTOR, 100 OHM, 1/10W, 5% 0805
3	1	1	C3	23-71C105-002	CAPACITOR, CER., 1UF, 16V, +/- 20%,Y5V, 1206
2	3	3	C1,C4 C5	23-71C104-002	CAPACITOR, CER. 0.1UF, 50V, +/-20%, Z5U, 0805
1	1	1	N/A	23-300161-000	PRINTED CIRCUIT BOARD, FR-4, 0.062 THICK, LPI

PARTS LIST

DESCRIPTION/VENDOR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS X.XX X.XX X.XX X.XX X.XX X.XX X.XX X.XX X.XX X.XX X.XX X.XX				Texas Instruments Inc. BENCHMARK LOCATION IN DALLAS			
MATERIAL				PRINTED CIRCUIT ASSEMBLY: EV2200			
EV2200				SIZE A 79-000161-000			
NEXT ASSY USED DN				SCALE NONE UNIT VT. SHEET 1 OF 3			
APPLICATION				✓			

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