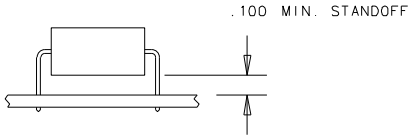


REVISIONS				
ZONE	REV	DESCRIPTION	APPD	MF
	A	INITIAL BUILD REM 11-96		
	B	ENG CHGS REM 03-97		
	C	DWO 04830 D.L. 5/97		
	D	DWO 04843 D.L. 7/97		
	E	ECO 09921 REM 06/27/02		



SXM350 DETAIL

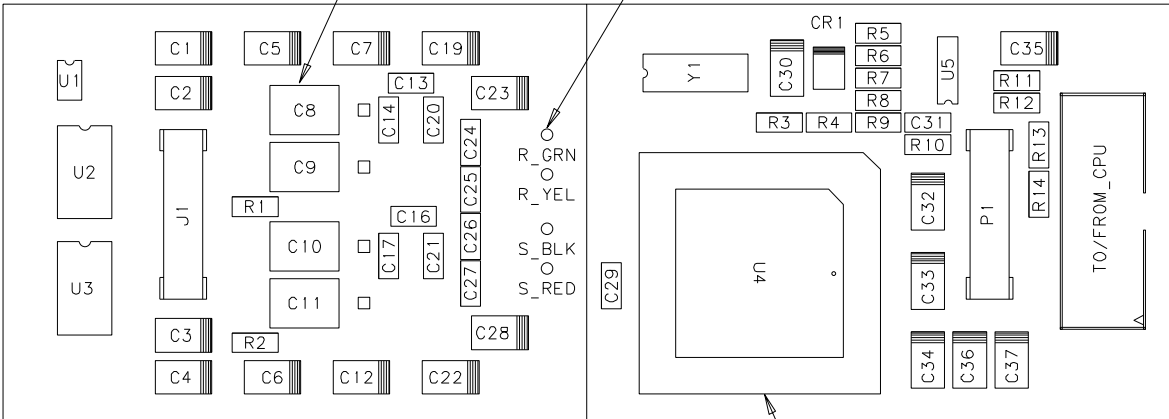
WPN 290342 TO BE HAND INSERTED

FOR MANUAL SOLDERING:
SOLDER TEMPERATURE: 270 DEGREES C.
TIME: 4 SECONDS MAX.

NOTE: AFTER INSTALLATION OF THIS
COMPONENT, BOARDS ARE TO BE
HAND WASHED ONLY.

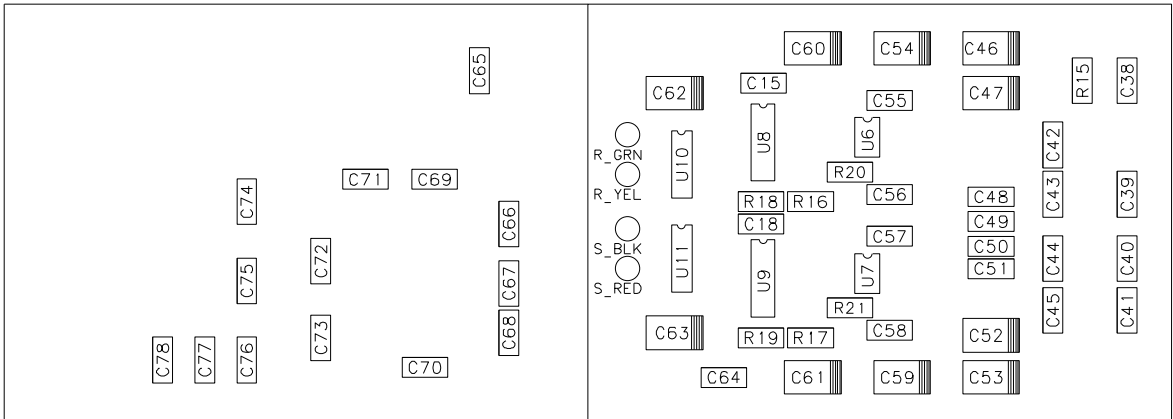
SEE SXM350 DETAIL (4X)

323000350 INSERT FROM FAR SIDE OF BOARD (4X)



TOP SIDE

056373



BOTTOM SIDE

SHEETS 2 THRU 3 ARE 'A' SIZE

FOR DIMENSION AND TOLERANCING USE ANSI Y 14.5M		UNLESS OTHERWISE SPECIFIED All dimensions are in inches. Remove all burrs and break sharp edges. Tolerances: Decimals .XX = ±.01 .XXX = ±.005 Angles = ± 0°30' SURFACE ROUGHNESS 63/		DESIGN R. METHE 11/05/96	Waters 34 Maple St. Milford, Ma 01757 U.S.A.	
THIRD ANGLE PROJECTION NEXT ASSY:		DO NOT SCALE PRINT		DRAWN R. METHE 11/05/96 CHECKED ENGR ENGR APPD		
THIS DRAWING AND ALL INFORMATION HEREON IS THE PROPERTY OF WATERS CORP. ANY COPYING, REPRODUCTION OR UNAUTHORIZED USE IS FORBIDDEN WITHOUT WRITTEN CONSENT.				TITLE ASSEMBLY 2487 FRONT END		
				SIZE D	DWG NO 081184	REV E
				SCALE 1 : 1	MENTOR BOARDSTATION	SHEET 1 OF 3

ITEM	QTY	PART NUMBER	DESCRIPTION	REF DES
REF	0	081184	ASSY, PCB, 487 FRONT END	
REF	0	081186	A/W, PCB, 487 FRONT END	
REF	0	081187	SCHEM, 487 FRONT END	
REF	0	081188	PERF SPEC, 487 FRONT END	
1	1	081185	PCB, 487 FRONT END	
2	29	056331	SMD CAP 10UF 20% 35V S-TANTALUM 7343	C1 C2 C3 C4 C5 C6 C7 C12 C19 C22 C23 C28 C30 C32 C33 C34 C35 C36 C37 C46 C47 C52 C53 C54 C59 C60 C61 C62 C63
3	45	056320	SMD CAP 0.1UF 20% 50V CERAMIC Z5U 1206	C13 C14 C15 C16 C17 C18 C20 C21 C24 C25 C26 C27 C29 C31 C38 C39 C40 C41 C42 C43 C44 C45 C48 C49 C50 C51 C55 C56 C57 C58 C64 C65 C66 C67 C68 C69 C70 C71 C72 C73 C74 C75 C76 C77 C78
4	4	290342	CAP FILM POLYSTYRENE FOIL AXIAL 500PF 160V 2.5PER	C8 C9 C10 C11
5	1	056488	SMD RECTIFIER GENERAL PURPOSE VR=200V F1=1.1SMB	CR1
6	1	290351	CONN BOARD TO BOARD PLUG 40POS .8MM SMD	J1
7	1	290350	CONN BOARD TO BOARD RECEPTACLE 40POS .8MM SMD	P1
8	2	290491	SMD RESISTOR 54.9K OHM 1PER 1/8W THICK FILM 1206	R1 R2
9	4	106-28	SMD RESISTOR 10K OHM 1PER 1/8W THICK FILM 1206	R16 R17 R18 R19
10	2	290355	SMD RESISTOR 0 OHM 1/8W 1206	R20 R21
11	12	106-49	SMD RESISTOR 2K OHM 1PER 1/8W THICK FILM 1206	R3 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15

ITEM	QTY	PART NUMBER	DESCRIPTION	REF DES
12	1	106-37	SMD RESISTOR 100K OHM 1PER R4 1/8W THICK FILM 1206	
13	4	323000350	CONN, PIN RECEPTACLE PCB INSERT FOR .017 PIN GOLD	R_GRN R_YEL S_BLK S_RED
14	1	290352	CONN VERTICAL HEADER 30POS 2MM SMD	TO/FROM_CPU
15	1	290340	IC 5 VOLT REFERENCE SMD 8 PIN SOIC	U1
16	2	290300	IC SWITCHED INTEGRATOR TRANSIMPEDANCE AMPLIFIER 14 PIN SOIC SMD	U10 U11
17	2	290326	IC AD CONV DELTA SIGMA 24 BIT 20PIN SOIC SMD	U2 U3
18	1	081329	IC PROG PLD PRE-AMP 2487	U4
19	1	056353	SOIC 74HC14 HEX INVERTER SCHMITT-TRIGGER 14-PIN	U5
20	2	290332	IC LOW BIAS CURRENT OP AMP SMD 8PIN SOIC	U6 U7
21	2	290337	IC LCMOS QUAD SPST SWITCHES SMD 16 PIN SOIC	U8 U9
22	1	290354	OSC CRYSTAL 8.1920MHZ TRI STATE SMD	Y1
23	1	056373	PLCC SOCKET 68-PIN SURFACE MOUNT	