DATE	SYM	REVISION RECORD	DR	CK
3/25/2	A4	210175	DK	
3/25/2	A5	220147	DK	
7/9/2	B		DK	
7/31/2	C	220289	DK	
10/3/2	E	220324	DK	

TP34 TP93

VCC R29 100K R10 10K RX_ON Q4 MMBT4403 VCC_RX

LEFT ANT. J3-1 TP82 TP80 C82 1000PF L12 220nH 5% U2 UPG158TB
RIGHT ANT. J4-1 TP94 TP95 C83 1000PF L13 220nH 5%
TP37 ANT_CNTL2 C8 100PF
TP41 ANT_CNTL1 C53 100PF
C79 100PF C73 100PF R9 330K L8 220nH 5% R5 330 C10 1.8PF C66 1000PF
C80 1.5PF C74 10PF C68 1.2PF L11 39nH 5% Q3 NE85619 L5 82nH 5% C72 1PF
TX_OUT

TP68 C48 100PF C77 1000PF C58 .1UF
C54 100PF C44 75PF C76 390PF C36 1000PF C20 1000PF
C78 27PF C1 390PF L6 220NH WW L9 220NH WW C75 390PF C47 27PF
R3 15K C9 4700PF C18 .047UF R6 7.5K C19 .01UF
U7 8116

C14 10PF 303.825MHZ Y4 R8 2.2K C13 10PF R7 1K C33 1000PF L7 22NH
C17 1000PF C15 1000PF C11 12PF

COMP_EN TP36 C62 1000PF TP83 R69 1M R30 15K
R1 10K R2 10K C7 6800PF TP84 C37 .1UF U3-A LMV339 TP33 RF_DATA_IN
TP92

SW1 TAMPER TP117 R83 10K TP9 R13 39K TP16 R84 10K TP115 TP18 TP17
DO NOT STUFF J2-4 J2-3 J2-2 J2-1 VCC R14 10K
C2 .1UF

U5 M38513M4-XXXFP

VCC	1	42	P30	LOW_BAT
VREF	2	41	P31	DIS_RESET
AVSS	3	40	P32	
PH_DATA_OUT	P44	4	39	P33	TP31	
RING_DET	P43	5	38	P34	PH_EN3
ANT_CNTL2	P42	6	37	P00	RX_ON
RF_DATA_IN	P41	7	36	P01	ANT_CNTL1
PH_DATA_IN	P40	8	35	P02	OP_AMP2
RF_DATA_OUT	P27	9	34	P03	TX_OSC_EN
	P26	10	33	P04	TP38
	P25	11	32	P05	TP55
	P24	12	31	P06	TP61
	P23	13	30	P07	TP62
	P22	14	29	P10	OP_AMP1
CNVSS	15	28	P11	COMP_EN
P21	16	27	P12	PH_EN1
P20	17	26	P13	PH_EN2
RESET	18	25	P14	LINE_SIEZE
XIN	19	24	P15	OFF_HOOK
XOUT	20	23	P16	TP30
VSS	21	22	P17	

R58 330 TP96 RED D10

TP25 R51 4.7K TP24 R54 4.7K U1 24LC32 A0 A1 A2 SDA SCL NC VCC GND TP29
R15 10M TP19 TP20 Y2 32KHZ C6 22PF C3 22PF
R38 220K TP21 C45 .01UF
Y1 4.00MHZ TP22 TP23 C16 33PF C21 33PF

DO NOT STUFF R85 1K TP114 DIS_RESET
VCC R73 100K R72 0 OHM R35 330 R36 1K TP103
U13 3V DET. VCC VIN GND TP106 TP102 U6 2.7V DET. VCC VIN GND
DO NOT STUFF
LOW_BAT

RF_DATA_OUT TP181 C59 1000PF
VCC C61 .1UF L10 12NH C63 180PF L4 150nH 5% Y3 106.5MHZ L3 5.5T C49 .5PF C60 6.8PF
D15 BAT54 R70 10K
L1 220NH R82 220 C51 1000PF L2 150NH CB1 0 OHM C57 5.6PF C67 1PF TX_OUT
Q2 NE85619
Q13 58219 R66 120K TX_OSC_EN TP79 C64 1000PF

DRAWN	INTERACTIVE TECHNOLOGIES INC. 2266 NORTH 2ND ST. NORTH ST. PAUL, MN. 55109			
CHECKED	DECIMAL TOL.	FINAL ASSEMBLY NUMBER	SCALE	DRAWN BY
APPROVED	FRACT. TOL.	TITLE Telephone Interface Module		
	ANGULAR TOL.	DATE	SIZE B	PART NUMBER (pg 1 of 2) 52-786 REV. E