REVISION RECORD						
REV	DATE	ECO NO	DRAWIN	CHECKED	CHECKED	APPROVED

TCXO 12.8MHz
TCXO1
TCXO_MOD
Ref freq.
PLL IC
Clk
Data
Enable
*R
*V
(From MCU)L/D
Charge Pump
DC to DC Converter
Loop Filter
LPF
Q201/Q202 TX VCO MOD
Q301/Q302 RX VCO

P.A. BLOCK
+8VC
TX B+
Q13
Q12
Q34
Q41
Q39
Q28
TX Buffer
TX Driver
D2
LPF
RF POWER DETECTOR
D1
APC_CTRL
U11
TX_PWR

Q2
RX Buffer
Local LPF

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
GPSDATA_OUT
PTT_IN
GPSDATA_IN
RXD2_PCPGM
TXD2_PCPGM
RXD1_FLASH
TXD1_FLASH
FLASH_EN
DB-15
J5

4KHz LPF
U9
TCXO_MOD

FRONT-END
D4
BPF
Low Noise Amp.
APC_OUT
N/A
N/A
RX 5V

Y8
18.432MHz
U13
CMX881
AUDIO
AUDIO_EN1
Audio Amp
U14
PA_SPK
AUDIO_EN2
Audio Amp
U19
SPK
DTMF_EN
AUDIO
U34
MT8870D
U5
KIA358
MIC

BW : 25KHz
N/A
X1
2nd LOCAL
44.645MHz
Y1
Discriminator
455KHz
BW : 12.5KHz
IF +5V
XF1 & XF2
45.1MHz
1st IF Filter
Q3
U2
TA31136FN
Mixer Input
AF
BUSY
RSSI
AUDIO

13.8V
13.6VC
8VC
5VDD
5VC
3.3V
13.8V
S1
20K
U20
KIA7808
U10
LP2951
IC1
TK71750S
U22
TK71733S

ESCUTCHEON MODULE
GREEN
RED
Q5
Q6
U3
HT1622
5V
U4
VR
24Pin Connector
MIC
LCD
KEY_OUT
KEY_IN
MIC_OUT
SWITCH
SPEAKER
+8V
LCD DISPLAY
MIC
SPK
MIC (HOOK)

Y4
11.0592MHz
EEPROM (U6)
SDA SDA
AUDIO_EN1
AUDIO_EN2
CLK
DATA
ENABLE
L/D
(To PLL)
DTMF_Q
DTMF_EN
LCD Control
LCD Control
GPS Control
GPS Control
BUSY
RSSI
U18
M30642FGPFP

TOLERANCES . UNLESS OTHERWISE SPECIFIED		NAME OR TITLE RF Rx Schemaic Model Code:#7790		maxon MAXON Telecom Co., LTD
ANGULAR N/A				
DECIMAL N/A		FIRST USED IN ASSEMBLY	T.W.R TEAM	MATERIAL N/A
	Q'TY/SET	FIRST MADE FOR	UK/USA	END FINISH N/A
	N/A	CONTRACT OR CUSTOMER NO.	PM-200 UHF	DO NOT SCALE DRAWING / DIMENSIONS ARE IN MM. INCH
DRAWIN	CHECKED	CHECKED	APPROVED	SCALE / DRAWING. PART NO. / MATERIAL
Y.S.RYU	H.K.KANG	K.H.MIN	T.H.KIM	D / 7790 / 0
Jan/4/2006	Jan/4/2006	Jan/4/2006	Jan/4/2006	