

Annex C Active Parts List

TRANSISTOR, DIODE, AND IC FUNCTIONS

RULE PART NUMBER: 2.1033 c (10)

MDP TRANSCEIVER**VCO Active Parts:**

<u>Ref</u>	<u>Des</u>	<u>DRL</u>	<u>PN</u>
CR	904	623-5005-022	BB535
CR	914	623-5005-022	BB535
CR	930	623-1504-035	4035
Q	950	676-0003-636	NE85633
Q	960	676-0003-636	NE85633
Q	970	676-0003-636	NE85633
Q	980	676-0003-636	NE85633

Power Amplifier Active Parts:

<u>Ref</u>	<u>Des</u>	<u>DRL</u>	<u>PN</u>
CR	600	623-2906-001	MR2535L
CR	610	623-5005-022	BB535
CR	620	623-2016-519	BZX84C
CR	630	623-5005-022	BB535
CR	640	623-5005-022	BB535
CR	650	623-5005-022	BB535
CR	660	623-5005-022	BB535
CR	670	623-1504-032	MA47059
CR	680	623-1504-032	MA47059
CR	690	623-1504-016	MMBD701LT1
Q	600	676-0013-032	MUN5114T1
Q	610	676-0003-658	2N3904
Q	620	676-0002-603	MJD42C
Q	630	676-0003-658	2N3904
Q	640	676-0013-046	MUN5213T1
Q	645	676-0003-658	MMBT3904
Q	650	676-0003-658	MMBT3904
Q	660	676-0004-098	MRF8372, MS1625
Q	670	676-0006-452	D2229UK
Q	680	676-0006-152	D2294UK
Q	690	676-0004-817	MRF847, 25C4624, SD1414, MS1455
U	600	644-2019-017	MC33172D

Radio Frequency Board Active Parts:

<u>Ref</u>	<u>Des</u>	<u>DRL</u>	<u>PN</u>
CR	30	623-2016-519	BZX84C
CR	70	623-1504-023	MBAV99
CR	72	623-1504-023	MBAV99
CR	78	623-2016-519	BZX84C
CR	139	623-5005-022	BB535
CR	140	623-5005-023	MMBV609
CR	207	623-1504-001	MMBV3401
CR	220	623-1504-002	MMBD6050
CR	307	623-1504-001	MMBV3401

CR	320	623-1504-002	MMBD6050
CR	453	623-2016-519	BZX84C
CR	456	623-2016-519	BZX84C
CR	457	623-2016-519	BZX84C
CR	485	623-2016-519	BZX84C
CR	486	623-2016-519	BZX84C
CR	488	623-2016-519	BZX84C
CR	805	623-5005-022	BB535
Q	10	676-0013-046	MUN5213T1
Q	11	676-0013-701	MSD1819A
Q	12	676-0013-701	MSD1819A
Q	13	676-0013-701	MSD1819A
Q	20	676-0013-032	MUN5114T1
Q	21	676-0013-046	MUN5213T1
Q	30	676-0013-032	MUN5114T1
Q	31	676-0013-701	MSD1819A
Q	40	676-0002-603	MJD42C
Q	41	676-0003-658	2N3904
Q	50	676-0003-612	MMBT4403
Q	51	676-0003-612	MMBT4403
Q	52	676-0003-658	2N3904
Q	70	676-0013-700	MSB1218A
Q	71	676-0013-700	MSB1218A
Q	72	676-0013-700	MSB1218A
Q	73	676-0013-701	MSD1819A
Q	74	676-0013-701	MSD1819A
Q	90	676-0003-612	MMBT4403
Q	91	676-0013-046	MUN5213T1
Q	92	676-0003-612	MMBT4403
Q	93	676-0013-046	MUN5213T1
Q	94	676-0003-612	MMBT4403
Q	95	676-0013-046	MUN5213T1
Q	110	676-0013-700	MSB1218A
Q	111	676-0003-619	AT-41511
Q	139	676-0013-701	MSD1819A
Q	140	676-0003-636	NE85633
Q	141	676-0003-636	NE85633
Q	220	676-0013-700	MSB1218A
Q	221	676-0003-619	AT-41511
Q	250	676-0003-636	NE85633
Q	260	676-0013-700	MSB1218A
Q	261	676-0003-619	AT-41511
Q	270	676-0003-636	NE85633
Q	320	676-0013-700	MSB1218A
Q	321	676-0003-619	AT-41511
Q	350	676-0003-636	NE85633
Q	360	676-0013-700	MSB1218A
Q	361	676-0003-619	AT-41511
Q	370	676-0003-636	NE85633
Q	410	676-0013-046	MUN5213T1
Q	510	676-0013-700	MSB1218A
Q	520	676-0003-619	AT-41511
Q	550	676-0003-640	MSA2111
Q	805	676-0013-701	MSD1819A
U	10	644-2003-067	544-2003-067
U	20	644-2003-074	544-2003-074

U	40	644-2019-017	MC33172D
U	80	644-3016-051	544-3016-051
U	110	644-3016-053	MC14053B
U	120	644-2019-017	MC33172D
U	250	644-0007-017	ADE-10MH
U	260	644-2002-037	544-2002-037
U	350	644-0007-017	ADE-10MH
U	360	644-2002-037	544-2002-037
U	410	644-3766-125	544-3766-125
U	420	644-5008-060	644-5008-060
U	430	644-3016-053	MC14053B
U	440	644-2032-007	LM50
U	450	644-2019-017	MC33172D
U	850	644-3954-029	644-3954-029
U	880	644-2019-017	MC33172D
U	890	644-0004-212	644-0004-212
Y	420	621-0004-916	621-0004-916

TRANSISTOR, DIODE, AND IC FUNCTIONS (continued)

RULE PART NUMBER: 2.1033 c (10)

GEMINI MODEM GCU II rev 105

Reference designator	Function	Type
FILT1-FILT3	EMI Filter Capacitor Type(SMD)	NFM4516P13C204F
U14 U16	Microprocessor,10Mhz	Z84C1510FEC
U2	Z 180 CPU 33Mhz Smt	Z8S18033FEC
U22	Digital Signal Processor 24 bits, TQFP-144	XC56309PV100A
U8	Flash Eeprom Tsop 32 Pin 4 Megabit (Tsop-40) Flash Gem Rev 103 (Progr # Bt223.g2m)	SST28SF040A-90-4I-EH, AT29C040A-10TI
U6	CPLD 64 Macrocell Programmed for GCU II (050-03322-101),VQFP-44(Progr # 332-91149-001.jed)	XCR3064XL-10VQ44I
U4 U5	Sram 128 X 8 15Ns, Smt(Soj32)	V61C5181024-15RI
U24	Adc 4 Channel, Tssop-16	AD7811YRU
U18	LOW VOLTAGE BIDIRECTIONAL TRANSCEIVER,TSSOP-20	74LCX245MTC
U15	Dual,D-Flip-Flop Soic	MC74HC74AD
U9	HEX INVERTER,TSSOP-14	74VHC04MTC
U12	OCTAL BUFFER 3-STATE,TSSOP-20	74VHC541MTC
U20	LOW VOLTAGE BUFFER/LINE DRIVER,TSSOP-20	74LCX244MTC
U7	HEX SCHMITT INVERTER, TSSOP-14, TLL INPUT	74VHCT14AMTC
U11	OCTAL D-FFTSSOP-20	74ACT273MTC
U27	Ultra high speed single inverter, 5 leads SC70 (EIASC88A), 1.25mm Wide	NC7SZ04P5
U28	High speed CMOS, Quad 2-input and Gate,TTL Compatible input TSSOP-14	74VHCT08AMTC
U25	Dual Op-Amp So-14	LMC6484AIM
U10 U23	5V Supervisory Circuits Ic S0IC-8	ADM705AR
U26	16-/20-Bit Single-Ended Analog Input/Output Stereo	PCM3002E
U1 U19	Micropower Low Dropout Regulator With Shutdown	LT1129IST-3.3
U3	1.5A,500Khz Stepdown Switching Regulat(S0-8)	LT1375IS8-5
Q1	Transistor , Gen Purpose Npn,VCEO 40V,Icmax 200mA, Sot-23	MMBT3904LT1
D3 D6	Diode,Schotty Rectifier 1A 30V	MBRS130LT3
D1 D2 D4	Diode,Dual Switching 70V 200mA,Sot-23	BAV70LT1
D5	Transient absorbtion zenner,working voltage 18V, 600W package DO-214AA	SMBJ18A
DS1 DS2	7011X Series bicolor Smt Leds	7011X1/5
U13 U17	RS-232 LINE /DRIVER SSOP-28 U21 (RS-232 TRANCEIVER OPTION 1)	ADM211EARS
U13 U17 U21	RS-232 LINE /DRIVER TSSOP-28(RS-232 TRANCEIVER OPTION 2)	ADM213EARS
X1 (X1 OPTION 1)	Xtal,Oscillator,29.4912Mhz 5V +/- 100Ppm(Smt)PLCC package	F4101R/29.4912Mhz
X1 (X1 OPTION 2)	Xtal.Oscillator,29.4912MHZ 5V +/-100PPM(SMT)PLCC package	KFO90FT/29.4912MHZ
X2 (X2 OPTION 1)	Xtal, Oscillator 3.3V Smd 12.288Mhz	F4100R/12.288Mhz
X2 (X2 OPTION 2)	Xral, Oscillator 3.3V SMD 12.288MHZ, +/- 100PPM(SMT), PLCC package	ASML-12.2880MHZ-L-S
G-8	GSM Receiver OEM board Ashtech (Orbitstar)	GPS G-8 OEM