

Annex E 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	210	623-1504-035	4035

<u>Ref</u>	<u>Des</u>	<u>DRL</u>	<u>PN</u>
CR	215	623-1504-035	4035
CR	220	623-1504-002	MMBD6050
CR	230	623-1504-035	4035
CR	235	623-1504-035	4035
CR	307	623-1504-001	MMBV3401
CR	310	623-1504-035	4035
CR	315	623-1504-035	4035
CR	320	623-1504-002	MMBD6050
CR	330	623-1504-035	4035
CR	335	623-1504-035	4035
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	676-0003-618	MRF9411
Q	139	676-0013-701	MSD1819A
Q	140	676-0003-634	MMBT918
Q	141	676-0003-634	MMBT918
Q	220	676-0013-700	MSB1218A
Q	221	676-0003-618	MRF9411
Q	250	676-0003-634	MMBT918
Q	260	676-0013-700	MSB1218A
Q	261	676-0003-618	MRF9411

<u>Ref</u>	<u>Des</u>	<u>DRL</u>	<u>PN</u>
Q	270	676-0003-634	MMBT918
Q	320	676-0013-700	MSB1218A
Q	321	676-0003-618	MRF9411
Q	350	676-0003-634	MMBT918
Q	360	676-0013-700	MSB1218A
Q	361	676-0003-618	MRF9411
Q	370	676-0003-634	MMBT918
Q	410	676-0013-046	MUN5213T1
Q	420	676-0013-046	MUN5213T1
Q	422	676-0013-700	MSB1218A
Q	424	676-0013-046	MUN5213T1
Q	426	676-0013-700	MSB1218A
Q	510	676-0013-700	MSB1218A
Q	520	676-0003-618	MRF9411
Q	550	676-0003-640	MSA2111
Q	805	676-0013-701	MSD1819A
Q	820	676-0013-032	MUN5114T1
Q	821	676-0013-046	MUN5213T1
Q	823	676-0013-032	MUN5114T1
Q	824	676-0013-046	MUN5213T1
U	10	644-2003-067	LP2951
U	20	644-2003-074	544-2003-074
U	40	644-2019-017	MC33172D
U	80	644-3016-051	MC14051B
U	110	644-3016-053	MC14053B
U	120	644-2019-017	MC33172D
U	250	644-0007-019	ADE 12MH
U	260	644-2002-037	SA676DK
U	350	644-0007-019	ADE 12MH
U	360	644-2002-037	SA676DK
U	410	644-3766-125	MC74HC125
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	644-3954-027	SA7025DK
U	880	644-2019-017	MC33172D
U	890	644-0004-212	AD8403
Y	420	621-0004-916	RO49PB38
Y	890	618-7009-521	518-7009-521
			TVO231A-F1-1.5-17.5

TRANSISTOR, DIODE, AND IC FUNCTIONS (continued)

RULE PART NUMBER: 2.1033 c (10)

GEMINI MODEM

Reference designator	Function	Type
D1	Diode,Dual Switching Sot-23	BAV70LT1
D2	Diode,Schotty Rectifier 1a 30v	MBRS130LT3
D3	Diode,Dual Switching Sot-23	BAV70LT1
D4	Diode,Schotty Rectifier 1a 30v	MBRS130LT3
D5	Diode,Dual Switching Sot-23	BAV70LT1
DS1	Led,3mm,Bicolor, 4 Stack	591-3001-1XX
DS2	Led,3mm,Bicolor, 4 Stack	591-3001-1XX
U1	Flash EEPROM Tsop 32 Pin 4 Megabit (Tsop-40)	AT29C040A-10TI
U2	RAM,CMOS,32K X 8, -40/85, SOP-28	TC55257DFL-85L
U3	Micropower Low Dropout Regulator With Shutdown	LT1129IST-3.3
U4	Dual D Type Flip-Flop So-14	74HC74AD
U5	5v Supervisory Circuits IC S0-8	ADM705AR/ MAX705ESA
U6	MICROPROCESSOR 10 Mhz QFP-100	Z84C1510FEC
U7	1.5a,500khz Stepdown Switching Regulat(S0-8)	LT1375IS8-5
U8	Octal Bidirectional Transceiver Sol-20	74LCX245
U9	Ic Octal3-St Sol-20	MC74LCX244DW
U10	Quad-Op Amp So-14	TLC2274I
U11	Stereo Codec Ssop-24	PCM3002E
U12	ADC 4 Channel, Tssop-16	AD7811YRU
U13	Digital Signal Processor	XC56303PV80
U14	Micropower Low Dropout Regulator With Shutdown	LT1129IST-3.3
U15	4 Drivers/4 Receivers Rs232 (Sol-24)	LT1134AISW
U16	MICROPROCESSOR 10 Mhz QFP-100	Z84C1510FEC
U17	4 Drivers/4 Receivers Rs232 (Sol-24)	LT1134AISW
U18	Hex Inverter Cmos(So-14)	74HCT04AD
U19	Quad 2-Input Or Gate (S0-14)	MC74VHC32AD
U20	Hex Inverter (So-14)	74VHC04
U21	MICROPROCESSOR 10 Mhz QFP-100	Z84C1510FEC
U22	4 Drivers/4 Receivers Rs232 (Sol-24)	LT1134AISW
X1	OSCILLATOR H-CMOS SMD 5V 19.6608mhz	F4101R
X2	OSCILLATOR 3.3V SMD 3.3V 12.288mhz	F4100R
G-8	GSM Receiver OEM board Ashtech (Orbitstar)	GPS G-8 OEM