

7.2 Data Transceiver Parts List

SECTION 7

PARTS LIST

. 023-3474-515

SYMBOL NUMBER	DESCRIPTION	PART NUMBER
A 801	FINISHED 450-466 VCO(M9	023-3474-540
C 101	68pF 5% NPO 0603	610-3674-680
C 102	68pF 5% NPO 0603	610-3674-680
C 103	68pF 5% NPO 0603	610-3674-680
C 104	68pF 5% NPO 0603	610-3674-680
C 105	68pF 5% NPO 0603	610-3674-680
C 106	68pF 5% NPO 0603	610-3674-680
C 107	68pF 5% NPO 0603	610-3674-680
C 108	68pF 5% NPO 0603	610-3674-680
C 109	68pF 5% NPO 0603	610-3674-680
C 110	68pF 5% NPO 0603	610-3674-680
C 111	68pF 5% NPO 0603	610-3674-680
C 112	68pF 5% NPO 0603	610-3674-680
C 113	68pF 5% NPO 0603	610-3674-680
C 114	1.0UFD 16V SMD TANT RL	610-2625-109
C 115	68pF 5% NPO 0603	610-3674-680
C 116	.01MF X7R K 0603 CHPR	610-3675-103
C 117	1.0UFD 16V SMD TANT RL	610-2625-109
C 118	68pF 5% NPO 0603	610-3674-680
C 119	68pF 5% NPO 0603	610-3674-680
C 131	1.0UFD 16V SMD TANT RL	610-2625-109
C 132	68pF 5% NPO 0603	610-3674-680
C 133	.01MF X7R K 0603 CHPR	610-3675-103
C 134	1.0UFD 16V SMD TANT RL	610-2625-109
C 135	68pF 5% NPO 0603	610-3674-680
C 201	68pF 5% NPO 0603	610-3674-680
C 203	68pF 5% NPO 0603	610-3674-680
C 204	10pF +/- .1pF NPO 0603	610-3673-100
C 205	4.7pF +/- .1pF NPO 0603	610-3673-479
C 207	68pF 5% NPO 0603	610-3674-680
C 208	68pF 5% NPO 0603	610-3674-680
C 211	68pF 5% NPO 0603	610-3674-680
C 222	.01MF X7R K 0603 CHPR	610-3675-103
C 223	3.9pf +/- .1pF NPO 0603	610-3673-399
C 224	3.0pf +/- .1pF NPO 0603	610-3673-309
C 225	.01MF X7R K 0603 CHPR	610-3675-103
C 226	.01MF X7R K 0603 CHPR	610-3675-103
C 227	8.2pF +/- .1pF NPO 0603	610-3673-829
C 228	.01MF X7R K 0603 CHPR	610-3675-103

PARTS LIST

SYMBOL NUMBER	DESCRIPTION	PART NUMBER
C 229	.01MF X7R K 0603 CHPR	610-3675-103
C 230	.01MF X7R K 0603 CHPR	610-3675-103
C 232	1.5-5PF SMD CERAMIC	612-1602-001
C 235	.01MF X7R K 0603 CHPR	610-3675-103
C 241	.01MF X7R K 0603 CHPR	610-3675-103
C 242	.1UFD X7R J 1206 RL	610-3609-104
C 243	.1UFD X7R J 1206 RL	610-3609-104
C 245	.01MF X7R K 0603 CHPR	610-3675-103
C 246	1.0UFD 16V SMD TANT RL	610-2625-109
C 247	.01MF X7R K 0603 CHPR	610-3675-103
C 248	.01MF X7R K 0603 CHPR	610-3675-103
C 261	27pF 5% NPO 0603	610-3674-270
C 262	68pF 5% NPO 0603	610-3674-680
C 263	.1UFD X7R J 1206 RL	610-3609-104
C 265	.1UFD X7R J 1206 RL	610-3609-104
C 301	68pF 5% NPO 0603	610-3674-680
C 302	8.2pF +/- .1pF NPO 0603	610-3673-829
C 303	68pF 5% NPO 0603	610-3674-680
C 304	3.3pF +/- .1pF NPO 0603	610-3673-339
C 306	68pF 5% NPO 0603	610-3674-680
C 309	1.0UFD 16V SMD TANT RL	610-2625-109
C 310	3.3pF +/- .1pF NPO 0603	610-3673-339
C 401	.01MF X7R K 0603 CHPR	610-3675-103
C 402	.01MF X7R K 0603 CHPR	610-3675-103
C 403	.01MF X7R K 0603 CHPR	610-3675-103
C 404	.01MF X7R K 0603 CHPR	610-3675-103
C 405	82pF 5% NPO 0603	610-3674-820
C 406	6.8pF +/- .1pF NPO 0603	610-3673-689
C 407	82pF 5% NPO 0603	610-3674-820
C 410	.1UFD X7R J 1206 RL	610-3609-104
C 501	68pF 5% NPO 0603	610-3674-680
C 502	6.8pF +/- .1pF NPO 0603	610-3673-689
C 503	68pF 5% NPO 0603	610-3674-680
C 504	470pF 5% NPO 0603	610-3674-471
C 505	.01MF X7R K 0603 CHPR	610-3675-103
C 506	68pF 5% NPO 0603	610-3674-680
C 507	68pF 5% NPO 0603	610-3674-680
C 508	68pF 5% NPO 0603	610-3674-680
C 509	68pF 5% NPO 0603	610-3674-680
C 510	120pF 5% NPO 0603	610-3674-121
C 511	3.9pf +/- .1pF NPO 0603	610-3673-399
C 520	22pF 5% NPO 0603	610-3674-220
C 521	68pF 5% NPO 0603	610-3674-680
C 522	.01MF X7R K 0603 CHPR	610-3675-103
C 523	68pF 5% NPO 0603	610-3674-680
C 524	470pF 5% NPO 0603	610-3674-471
C 525	27pF 5% NPO 0603	610-3674-270
C 526	18PF NPO J 0805 CHP RL (L	610-3601-180
C 527	2.5-10PF SMD CERAMIC	612-1602-002
C 528	10pF +/- .1pF NPO 0603	610-3673-100

PARTS LIST

SYMBOL NUMBER	DESCRIPTION	PART NUMBER
C 541	68pF 5% NPO 0603	610-3674-680
C 542	470pF 5% NPO 0603	610-3674-471
C 546	68pF 5% NPO 0603	610-3674-680
C 547	68pF 5% NPO 0603	610-3674-680
C 548	1.0UFD 16V SMD TANT RL	610-2625-109
C 549	.01MF X7R K 0603 CHPR	610-3675-103
C 550	33PF NPO J 0805 CHP RL (L	610-3601-330
C 551	15PF NPO J 0805CHP RL (L0	610-3601-150
C 552	3.9PF NPO J 0805CHP RL	610-3601-399
C 553	2.5-10PF SMD CERAMIC	612-1602-002
C 554	68pF 5% NPO 0603	610-3674-680
C 555	33pF 5% NPO 0603	610-3674-330
C 560	22pF 5% NPO 0603	610-3674-220
C 561	5.6PF NPO J 0805CHP RL (L	610-3601-569
C 562	6.2PF NPO J0805 CHP RL	610-3601-629
C 563	7.5PF NPO J0805 CHP RL	610-3601-759
C 564	.01MF X7R K 0603 CHPR	610-3675-103
C 565	68pF 5% NPO 0603	610-3674-680
C 567	5.6PF NPO J 0805CHP RL (L	610-3601-569
C 568	47pF 5% NPO 0603	610-3674-470
C 569	5.1PF NPO J0805 CHP RL	610-3601-519
C 570	33pF 5% NPO 0603	610-3674-330
C 571	68pF 5% NPO 0603	610-3674-680
C 572	.01MF X7R K 0603 CHPR	610-3675-103
C 573	1.0UFD 16V SMD TANT RL	610-2625-109
C 801	.01MF X7R K 0603 CHPR	610-3675-103
C 802	.01MF X7R K 0603 CHPR	610-3675-103
C 803	.01MF X7R K 0603 CHPR	610-3675-103
C 804	3.3pF +/- .1pF NPO 0603	610-3673-339
C 805	.01MF X7R K 0603 CHPR	610-3675-103
C 806	68pF 5% NPO 0603	610-3674-680
C 807	.01MF X7R K 0603 CHPR	610-3675-103
C 808	68pF 5% NPO 0603	610-3674-680
C 809	100PF NPO J 0805CHP RL (L	610-3601-101
C 810	.1UFD X7R J 1206 RL	610-3609-104
C 811	.001uF 10% X7R 0603	610-3675-102
C 812	.0047UF X7R K 0805 C/R (L	610-3605-472
C 813	.001uF 10% X7R 0603	610-3675-102
C 814	1.0UFD 16V SMD TANT RL	610-2625-109
C 815	.0047UF X7R K 0805 C/R (L	610-3605-472
C 817	68pF 5% NPO 0603	610-3674-680
C 818	1.0UFD 16V SMD TANT RL	610-2625-109
C 819	3.9pf +/- .1pF NPO 0603	610-3673-399
C 831	.01MF X7R K 0603 CHPR	610-3675-103
C 832	.01MF X7R K 0603 CHPR	610-3675-103
C 833	68pF 5% NPO 0603	610-3674-680
C 834	4.7UFD 10V SMD TANT RL	610-2624-479
C 835	.01MF X7R K 0603 CHPR	610-3675-103
C 836	.01MF X7R K 0603 CHPR	610-3675-103
C 837	.01MF X7R K 0603 CHPR	610-3675-103

PARTS LIST

SYMBOL NUMBER	DESCRIPTION	PART NUMBER
R 846	18 OHMS J 063W 0603 CHIP	669-0155-180
R 847	18 OHMS J 063W 0603 CHIP	669-0155-180
R 848	1.5K OHM J 063W 0603 CHIP	669-0155-152
R 851	150 OHMS J 063W 0603 CHIP	669-0155-151
R 852	39 OHM J 0603 CHIP/R	669-0155-390
R 853	150 OHMS J 063W 0603 CHIP	669-0155-151
R 854	82 OHMS 5% 063W 0603 SMD	669-0155-820
R 855	100K SMD TRIMMER	662-0130-104
R 856	4.7K OHM J 063W 0603 CHIP	669-0155-472
R 857	4.7K OHM J 063W 0603 CHIP	669-0155-472
R 858	4.7K OHM J 063W 0603 CHIP	669-0155-472
R 860	100 OHMS J 063W 0603 CHIP	669-0155-101
RE 000	SCHEMATIC DL 3474 MAIN	025-3474-030
RE 000	SCHEMATIC DL 3474 MAIN	025-3474-030
RE 000	ASSEMBLY DL 3474 MAIN BD	027-3474-030
RM 000	SLDR 62/36/2 H20 CLEAN	684-1606-062
U 101	5.5V REG 50-6	644-2603-086
U 131	5.5V REG 50-6	644-2603-086
U 221	DBL BAL MIXER MOT-1-04	644-0007-014
U 241	FM IF MC3371D SO-16	644-2002-031
U 261	MC33172D SO8 OP AMP	644-2019-017
U 801	FRACTIONAL-N SYNTHESIZER	644-3954-027
Y 801	17.5 MHZ TCXO +/-1.5 PPM	618-7009-521
Z 201	SMD HEL FLTR 459 MHZ 3 PO	632-1005-044
Z 202	SMD HEL FLTR 459 MHZ 3 PO	632-1005-044
Z 221	52.95MHZ 4P 8KHZ BW	632-0009-011
Z 241	450 KHZ, 9 KHZ BW CERAMIC	632-2004-015
Z 242	450 KHZ, 9 KHZ BW CERAMIC	632-2004-015

023-3474-542

C 850	68pF 5% NPO 0603	610-3674-680
C 851	68pF 5% NPO 0603	610-3674-680
C 852	8.2pF +/-1pF NPO 0603	610-3673-829
C 853	9.1pf +/-1pF NPO 0603	610-3673-919
C 854	100pF 5% NPO 0603	610-3674-101
C 855	68pF 5% NPO 0603	610-3674-680
C 856	2.7pF +/-1pF NPO 0603	610-3673-279
C 858	68pF 5% NPO 0603	610-3674-680
C 859	7.5pF +/-1pF NPO 0603	610-3673-759
C 861	8.2pF +/-1pF NPO 0603	610-3673-829
C 862	6.8pF +/-1pF NPO 0603	610-3673-689
C 863	68pF 5% NPO 0603	610-3674-680
C 864	10pF +/-1pF NPO 0603	610-3673-100
C 865	68pF 5% NPO 0603	610-3674-680
C 866	68pF 5% NPO 0603	610-3674-680
C 867	68pF 5% NPO 0603	610-3674-680
C 868	1.5pF +/-1pF NPO 0603	610-3673-159
C 870	1pF +/-1pF NPO 0603	610-3673-109
C 871	100pF 5% NPO 0603	610-3674-101

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Part No. 001-3474-002



PARTS LIST

SYMBOL NUMBER	DESCRIPTION	PART NUMBER
C 873	100pF 5% NPO 0603	610-3674-101
C 874	3.3pF +/- .1pF NPO 0603	610-3673-339
C 876	8.2pF +/- .1pF NPO 0603	610-3673-829
C 877	1pF +/- .1pF NPO 0603	610-3673-109
C 878	10PF NPO J 0805 CHP RL	610-3601-100
CR 850	SOT PIN SW DIODE T/RL	623-1504-001
CR 851	BB535 SOD 323 VARACTOR	623-5005-022
CR 852	VAR DIODE SOD123 BB515	623-5005-020
CR 853	VAR DIODE SOD123 BB515	623-5005-020
CR 854	BB535 SOD 323 VARACTOR	623-5005-022
CR 855	BB535 SOD 323 VARACTOR	623-5005-022
CR 856	BB535 SOD 323 VARACTOR	623-5005-022
L 851	150 NHY0805 SMD 10% IN	642-9003-158
L 852	150 NHY0805 SMD 10% IN	642-9003-158
L 853	22 NHY0805 SMD 10% IND	642-9003-227
L 854	150 NHY0805 SMD 10% IN	642-9003-158
L 855	INDUCT LL2012 F56N 080	642-9003-567
L 856	22 NHY0805 SMD 10% IND	642-9003-227
Q 850	NPN TRANS NE85619 SC90	676-0003-651
Q 851	NPN TRANS NE85619 SC90	676-0003-651
Q 852	NPN TRANS NE85619 SC90	676-0003-651
Q 853	NPN TRANS NE85619 SC90	676-0003-651
R 851	10K OHMS J 063W 0603 C	669-0155-103
R 852	47K OHMS J 063W 0603 C	669-0155-473
R 853	47K OHMS J 063W 0603 C	669-0155-473
R 854	10 OHMS J 063W 0603 CH	669-0155-100
R 856	10 OHMS J 063W 0603 CH	669-0155-100
R 857	6.8K OHM J 063W 0603 C	669-0155-682
R 858	1K OHM J 063W 0603 CHI	669-0155-102
R 862	10K OHMS J 063W 0603 C	669-0155-103
R 863	10 OHMS J 063W 0603 CH	669-0155-100
R 864	10K OHMS J 063W 0603 C	669-0155-103
R 865	10K OHMS J 063W 0603 C	669-0155-103
R 866	470 OHMS J 063W 0603 C	669-0155-471
R 867	12K OHMSJ 063W 0603 CH	669-0155-123
R 868	390 OHMS J 063W 0603 C	669-0155-391
R 869	270 OHMS J 063W 0603 C	669-0155-271
R 870	18 OHMS J 063W 0603 CH	669-0155-180
R 871	3.9K OHM J 063W 0603 C	669-0155-392
R 872	1.8K OHMS J 063W 0603	669-0155-182
R 874	680 OHMS J 063W 0603 C	669-0155-681
R 875	270 OHMS J 063W 0603 C	669-0155-271
RM 000	SLDR 62/36/2 H20 CLEAN	684-1606-062
Z 850	0.5IN LONG SMD RESONAT	642-9004-005

023-3474-511

C 225	.01MF X7R K 0603 CHPR	610-3675-103
C 227	8.2pF +/- .1pF NPO 0603	610-3673-829



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Part No. 001-3474-002

PARTS LIST

EP 200	MINI CER CRY PIN INSUL	010-0345-280
J 201	14P SGL ROW RCPT.1CNTR	615-7110-214
J 501	STR TERM PCB	615-3013-030
L 222	1+/-6%UH VAR. IND. 5MM	642-1012-015
L 224	1+/-6%UH VAR. IND. 5MM	642-1012-015
MP 801	CAN-VCO 3474	017-2225-751
MP 802	TOP SHIELD 3474 XMIT	017-2225-761
MP 803	SHIELD 3474 BOTTOM XMIT	017-2225-762
MP 804	3474 SHIELD BOTTOM SYNTH	017-2225-763
MP 806	XTAL FLTR SHIELD 3472	017-2225-699
R 230	2.7K OHM J 063W 0603 CHIP	669-0155-272
R 261	200k OHMS J 063W 0603 CHI	669-0155-204
RE 000	SCHEMATIC DL 3474 MAIN	025-3474-030
RE 000	ASSEMBLY DL 3474 MAIN BD	027-3474-030
Y 801	17.5 MHZ TCXO +/-1.5 PPM	618-7009-521
Z 221	52.95MHZ 4P 8KHZ BW	632-0009-011
Z 241	450 KHZ, 9 KHZ BW CERAMIC	632-2004-015
Z 242	450 KHZ, 9 KHZ BW CERAMIC	632-2004-015

023-3474-521

C 225	39pF 5% NPO 0603	610-3674-390
C 227	10pF +/-1pF NPO 0603	610-3673-100
EP 200	MINI CER CRY PIN INSUL	010-0345-280
J 201	14P SGL ROW RCPT.1CNTR	615-7110-214
J 501	STR TERM PCB	615-3013-030
L 222	1+/-6%UH VAR. IND. 5MM	642-1012-015
L 224	1+/-6%UH VAR. IND. 5MM	642-1012-015
MP 801	CAN-VCO 3474	017-2225-751
MP 802	TOP SHIELD 3474 XMIT	017-2225-761
MP 803	SHIELD 3474 BOTTOM XMIT	017-2225-762
MP 804	3474 SHIELD BOTTOM SYNTH	017-2225-763
MP 806	XTAL FLTR SHIELD 3472	017-2225-699
R 230	1.8K OHMS J 063W 0603 CHI	669-0155-182
R 261	120K OHM J 063W 0603 CHIP	669-0155-124
RE 000	SCHEMATIC DL 3474 MAIN	025-3474-030
RE 000	ASSEMBLY DL 3474 MAIN BD	027-3474-030
Y 801	17.5 MHZ TCXO +/-1.5 PPM	618-7009-521
Z 221	52.95MHZ 4P 15KHZ BW	632-0009-009
Z 241	CERAMIC DATA FILTER 450KH	632-2004-016
Z 242	CERAMIC DATA FILTER 450KH	632-2004-016

023-3474-531

C 225	39pF 5% NPO 0603	610-3674-390
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Part No. 001-3474-002



PARTS LIST

C 227	10pF +/-1pF NPO 0603	610-3673-100
EP 200	MINI CER CRY PIN INSUL	010-0345-280
J 201	14P SGL ROW RCPT.1CNTR	615-7110-214
J 501	STR TERM PCB	615-3013-030
L 222	1+/-6%UH VAR. IND. 5MM	642-1012-015
L 224	1+/-6%UH VAR. IND. 5MM	642-1012-015
MP 801	CAN-VCO 3474	017-2225-751
MP 802	TOP SHIELD 3474 XMIT	017-2225-761
MP 803	SHIELD 3474 BOTTOM XMIT	017-2225-762
MP 804	3474 SHIELD BOTTOM SYNTH	017-2225-763
MP 806	XTAL FLTR SHIELD 3472	017-2225-699
R 230	1.8K OHMS J 063W 0603 CHI	669-0155-182
R 261	100k OHMS J 063W 0603 CHI	669-0155-104
RE 000	SCHEMATIC DL 3474 MAIN	025-3474-030
RE 000	ASSEMBLY DL 3474 MAIN BD	027-3474-030
Y 801	17.5 MHZ TCXO +/-1.5 PPM	618-7009-521
Z 221	52.95MHZ 4P 15KHZ BW	632-0009-009
Z 241	450 KHZ, 20 KHZ BW CERAMI	632-2004-013
Z 242	450 KHZ, 20 KHZ BW CERAMI	632-2004-013

This parts list applies to Band 5 transceivers.