

BOM

Rev				Effective from		8/15/2008 12:00:00 AM		to					
05 CP05-00599													
Item	Num	Qty	U/M	Number	Rev	Title	Ref Des	Lifecycle	Notes	Target Cost			
5		5	EA	171-0000H-30	01 CP05-00524	0 Ohm resistor,1/10W, 5%, 0603	R5, R6, R9, R10, R46	Pilot					
10		1	EA	171-1000F-30	01 CP05-00524	100Ohm, 1/10W, TF Res, 1% 0603	R44	Pilot					
15		2	EA	171-1001F-30	01 CP05-00524	1.00kOhm, 1/10W, TF Res, 1%, 0603	R4, R22	Pilot					
20		9	EA	171-1002F-30	01 CP05-00105	10.0KOhm, 1/10W, TF Res, 1%, 0603	R4A, R28 R30, R33, R35 R36, R42, R43 R45	Pilot					
25		1	EA	171-10R0F-30	01 CP05-00524	10.0Ohm, 1/10W, TF Res, 1%, 0603	R34	Pilot					
30		1	EA	171-1211F-30	01 CP05-00524	1.21k Ohm, 1/10W, TF, 1%, 0603	R20	Pilot					
35		1	EA	171-1372F-30	01 CP05-00524	13.7kOhm, 1/10W, TF Res, 1%, 0603	R3	Pilot					
40		1	EA	171-1502F-30	01 CP05-00524	15.0kOhm, 1/10W, TF Res, 1%, 0603	R2	Pilot					
45		2	EA	171-2001F-30	01 CP05-00524	2.00kOhm, 1/10W, TF Res, 1%, 0603	R11, R41	Pilot					
50		3	EA	171-2002F-30	01 CP05-00524	20.0kOhm, 1/10W, TF Res, 1%, 0603	R25, R29 R32	Pilot					
55		1	EA	171-3012F-30	01 CP05-00524	30.1kOhm, 1/10W, TF Res, 1%, 0603	R27	Pilot					
60		1	EA	171-3480F-30	01 CP05-00524	348 Ohm, 1/10W, TF Res, 1%, 0603	R31	Pilot					
65		1	EA	171-4021F-30	01 CP05-00540	4.02KOhm, 1/10W, TF Res, 1%, 0603	R24	Pilot					
70		4	EA	171-4752F-30	01 CP05-00524	47.5kOhm, 1/10W, TF Res, 1%, 0603	R8, R15, R16, R21	Pilot					
75		1	EA	171-4992F-30	01 CP05-00524	49.9kOhm, 1/10W, TF Res, 1%, 0603	R23	Pilot					
80		1	EA	171-7502F-30	01 CP05-00524	75.0kOhm, 1/10W, TF Res, 1%, 0603	R26	Pilot					
85		2	EA	172-1000F-60	01 AGL0012060021	100Ohm, 1/8W, TF Res, 1%, 1206	R13, R19	Production					
90		1	EA	172-1001F-60	01 M05-00007	1.00KOhm, 1/8W, TF Res, 1%, 1206	R14	Production					
95		1	EA	172-10R0F-60	01 AGL0012060021	10.0Ohm, 1/8W, TF Res, 1%, 1206	R18	Production					
100		1	EA	172-12R1F-60	01 P05-00014	12.1 Ohm, 1/8W, Thick Film Res, 1%, 1206	R17	Pilot					
105		1	EA	172-20R0F-60	01 CP05-00057	20Ohm, 1/8W, Thick Film Resistor, 1%, 1206	R7	Pre-Production					
110		2	EA	172-2490F-60	01 P05-00014	249 Ohm, 1/8W, Thick Film Res, 1%, 1206	R39, R40	Pilot					
115		2	EA	172-3010F-60	01 P05-00014	301 Ohm, 1/8W, Thick Film Res, 1%, 1206	R37, R38	Pilot					
120		1	EA	175-R020F-L0	01 AGL0025120021	20mOhm, 1W, TF Res, 1%, 1206	R1	Production					
122		1	EA	201-0106K-30	01 CP05-00540	10uF capacitor, 6.3V, X5R, 20%, 0603	C38	Pilot					
125		4	EA	201-0107K-G0	01 CP05-00524	100uF capacitor, 6.3V, X5R, 20%, 1812	C2-C5	Pilot					

MPL 917-00550-01 [DVS READER WAND TRANSMITTER BOARD ASSEM...]

Item Num	Qty	U/M	Number	Rev	Title	Ref Des	Lifecycle	Notes	Target Cost
130	1	EA	204-0105J-60	01 M05-0 0007	1uF, Ceramic X7R, 25V, 10% C13 1206 pk		Production		
135	2	EA	204-0106K-80	01 CP05- 00524	10uF, Ceramic X5R, 25V, 20%, 1210	C8, C9	Pilot		
140	23	EA	206-0104J-30	01 CP05- 00524	.1uF, 50V, capacitor, X7R, 10%, 0603	C1, C10, Pilot C11, C14-C16, C24, C25 C29-C36 C39-C42 C44-C46			
145	2	EA	216-0100H-30	01 CP05- 00524	10pF, 50V capacitor, NPO, 5%, 0603	C47, C48	Pilot		
150	2	EA	216-0101H-30	01 CP05- 00524	100pF, Ceramic, NPO, 50V, 5%, 0603	C6, C27	Pilot		
155	3	EA	216-0102H-30	01 CP05- 00524	1000pF, 50V capacitor, NPO, 5%, 0603	C22, C37	Pilot		
160	1	EA	216-0102H-50	01 P05-00 014	1000pF, Ceramic, NPO, 50V, 5%, 0805	C28	Pilot		
165	1	EA	23Z-0102F-R2	01 CP05- 00524	1000pF, 1500VAC, Polypropylene Film/Foil Capacitor, 1%, Radial	C21	Pilot		
170	2	EA	23Z-0362F-R0	01 CP05- 00524	3600pF, 1500VAC, Polypropylene Film/Foil Capacitor, 1%, Radial	C19, C20	Pilot		
175	1	EA	275-0157K-R0	01 CP05- 00524	150uF, 35V, Alum Electrolytic 20%, Radial	C7	Pilot		
180	2	EA	276-0106K-R1	01 CP05- 00524	10uF, 50V, Alum Electrolytic,20%	C23, C26	Pilot		
185	3	EA	300-00100-U0	01 CP05- 00550	Diode, 100V, 200mA, SOT-23	D4, D6, D10	Pilot		
190	2	EA	300-01007-X0	01 P05-00 014	Ultrafast diode, UF1007, 1A, 1000V, DO-41	D7, D8	Pilot		
200	2	EA	300-1200V-K0	01 CP05- 00524	1200V, 5A, Ultrafast Recovery Diode, DPAK	D2, D3	Pilot		
205	2	EA	307-000BL-R1	01 P05-00 014	LED, 5mm, T1 3/4, 470nm Blue Water Clear, radial	D14, D15	Pilot		
210	2	EA	307-000GR-R1	01 P05-00 014	LED 5mm, T1 3/4, 524nm Green Water Clear	D12, D13	Pilot		
215	4	EA	320-00002-U0	01 CP05- 00524	30V, 200mA Schottky, SOT-523	D9, D11, Pilot D16, D17			
220	1	EA	320-045FN-K0	01 P05-00 014	45V, 10Amp Schottky Rectifier, D-PAK	D1	Pilot		
225	2	EA	330-3707Z-K0	01 P05-00 014	30V, 9.5mOhm, 39A, N-channel MOSFET, D-PAK	Q2, Q3	Pilot		
230	1	EA	375-02725-S0	01 P05-00 014	LM2725, High Speed Synchronous MOSFET Drivers	U4	Pilot		
235	2	EA	375-04046-Y0	01 CP05- 00524	IC, MM74HC4046, 16TSSOP	U9, U11	Pilot		
240	2	EA	375-04157-Z0	01 CP05- 00524	SPDT Analog Switch, 1 ohm, low voltage SC-70	U7, U8	Pilot		
245	1	EA	375-04376-U0	01 AGL00 0021	Hi-Side Current Amp w/ Gain 5-pin S	U2	Production		
250	1	EA	375-04416-U0	01 P05-00 014	Low-side MOSFET Driver, SOT-143	U3	Pilot		
255	1	EA	375-78M05-T0	01 AGL00 0021	78M05, 5V, 500mA Reg, TO-252-3	U5	Production		
260	1	EA	376-0HC74-Y0	01 CP05- 00524	74HC74, Dual D-Type Flip-Flop, 14pin TSSOP	U10	Pilot		
265	1	EA	376-18672-Q0	01 P05-00 014	PIC18F6720 Microcontooler, 64 pin TQFP	U12	Pilot		
270	1	EA	376-MX202-Y0	01 CP05- 00524	MAX202 Transceiver, 16pin TSSOP	U6	Pilot		

MPL 917-00550-01 [DVS READER WAND TRANSMITTER BOARD ASSEM...]

Item Num	Qty	U/M	Number	Rev	Title	Ref Des	Lifecycle	Notes	Target Cost
275	1	EA	379-00001-Z0	01 CP05- 00524	10A High Efficiency DC/DC uModule, LTM4600	U1	Pilot		
280	1	EA	390-00001-Z0	01 CP05- 00524	1200V IGBT, 11A, D2PAK	Q1	Pilot		
285	1	EA	398-16X00-70	01 P05-00 014	16MHz Ceramic Crystal, SMTX1		Pilot		
290	1	EA	410-00550-01	02 CP05- 00550	DVS Reader Wand Transmitter Board	PWB	Pilot		
295	2	IN.	440-00010-00	01 CP05- 00540	Silicon Rubber Strip, .75" wide, .125" thick, adhesive backed		Pilot	See Assy DWG	
300	12	EA	461-00020-00	01 CP05- 00564	PCB pin, .040", test point	TP1-TP1 2	Pilot		
305	1	EA	461-00012-R1	01 P05-00 014	2-pin Header, .1", 10u Au, .230" pins	P7	Pilot		
310	1	EA	461-00017-R0	01 CP05- 00524	CONN HEADER VERT 2POSP1 .156 TIN		Pilot		
315	1	EA	461-00018-R0	01 CP05- 00524	3-pin Header, .1", 10u Au, .230" pins	P4	Pilot		
320	1	EA	461-00019-R0	01 CP05- 00524	5-pin Header, .1", 10u Au, .230" pins, RA	P6	Pilot		
325	2	EA	461-250RA-R0	01 CP05- 00524	TERM QUICKFIT MALE RA .250" TAB	J1, J2	Pilot		
330	1	EA	462-00005-R0	01 P05-00 014	10-pin Receptacle, .1" sp, Vert. PCB Mount	P5	Pilot		
331	1	EA	469-00001-00	01 AGL00 0116	Connector Jumper Shorting Gold	SHORTI NG JUMPER	Production	See Assy Dwg. 931-00550-01 and programming procedure 935-00552-02; installed after programming	
332	1	EA	490-00001-00	02 AGL00 0162	nylon cable tie, 3.1"		Production	See Assy DWG	
335	1	EA	490-04100-Z0	01 CP05- 00524	Transducer, Buzzer, 25V, 68dB, CMT1102	BUZZ1	Pilot		
340	4	EA	4H5-06325-00	01 CP05- 00540	Nylon Screw, #6-32, 5/16", black		Pilot		
345	2	EA	4H7-00001-00	01 CP05- 00540	Edge Card Guide		Pilot	See Assy DWG	
350	2	EA	4H7-00002-00	01 CP05- 00540	DVS Reader Receive Antenna Holder		Pilot	See Assy DWG	
355	1	EA	570-00001-00	04 CP05- 00599	DVS Reader Transmitter Antenna		Pilot	See Assy DWG	
360	1	EA	570-00002-00	03 CP05- 00599	DVS Reader Receive Antenna		Pilot	See Assy DWG	
365	1	EA	931-00550-01	04 CP05- 00599	DVS Reader Wand Transmitter Board Assembly Drawing		Pilot		
370	0	EA	932-00550-01	04 CP05- 00599	DVS Reader Wand Transmitter Board Schematic Dwg.		Pilot	Schematic Dwg for PCB	

BOM

Rev				Effective from	5/29/2008 12:00:00 AM to					
03	CP05-00564									
Item Num	Qty	U/M	Number	Rev	Title	Ref Des	Lifecycle	Notes	Target Cost	
5	1	EA	163-1002J-R0	01 CP05-00524	10KOhm, 12-turn Potentiometer, .25W, side mount adjust	POT1	Pilot			
10	2	EA	171-0000H-30	01 CP05-00524	0 Ohm resistor,1/10W, 5%, 0603	R2, R3	Pilot			
15	4	EA	171-1002F-30	01 CP05-00105	10.0KOhm, 1/10W, TF Res, 1%, 0603	R6, R7, R12, R13	Pilot			
20	1	EA	171-1003F-30	01 CP05-00105	100KOhm, 1/10W, TF Res, 1%, 0603	R35	Pilot			
25	2	EA	171-1004F-30	01 CP05-00105	1.00MOhm, 1/10W, TF Res, 1%, 0603	R16, R17	Pilot			
30	1	EA	171-10R0F-30	01 CP05-00524	10.0Ohm, 1/10W, TF Res, 1%, 0603	R5	Pilot			
35	1	EA	171-1101F-30	01 M05-00009	1.10KOhm, 1/10W, TF Res, 1%, 0603	R28	Pilot			
40	1	EA	171-1133F-30	01 CP05-00524	113kOhm, 1/10W, TF Res, 1%, 0603	R29	Pilot			
45	2	EA	171-1432F-30	01 CP05-00524	14.3KOhm, 1/10W, TF Res, 1%, 0603	R9, R37	Pilot			
50	1	EA	171-1433F-30	01 CP05-00524	143kOhm, 1/10W, TF Res, 1%, 0603	R36	Pilot			
55	1	EA	171-1501F-30	01 CP05-00524	1.50KOhm, 1/10W, TF Res, 1%, 0603	R10	Pilot			
60	1	EA	171-1804F-30	01 CP05-00524	1.80Meg Ohm, 1/10W, TF Res, 1%, 0603	R30	Pilot			
65	1	EA	171-2261F-30	01 CP05-00524	2.26kOhm, 1/10W, TF Res, 1%, 0603	R27	Pilot			
70	1	EA	171-2551F-30	01 CP05-00524	2.55kOhm, 1/10W, TF Res, 1%, 0603	R19	Pilot			
75	1	EA	171-3161F-30	01 CP05-00524	3.16kOhm, 1/10W, TF Res, 1%, 0603	R21	Pilot			
80	1	EA	171-3241F-30	01 CP05-00524	3.24kOhm, 1/10W, TF Res, 1%, 0603	R18	Pilot			
85	1	EA	171-3481F-30	01 CP05-00524	3.48kOhm, 1/10W, TF Res, 1%, 0603	R22	Pilot			
90	1	EA	171-3572F-30	01 CP05-00524	35.7kOhm, 1/10W, TF Res, 1%, 0603	R8	Pilot			
95	1	EA	171-3652F-30	01 CP05-00524	36.5kOhm, 1/10W, TF Res, 1%, 0603	R20	Pilot			
100	1	EA	171-4421F-30	01 CP05-00524	4.42kOhm, 1/10W, TF Res, 1%, 0603	R24	Pilot			
105	2	EA	171-4751F-30	01 CP05-00524	4.75kOhm, 1/10W, TF Res, 1%, 0603	R32, R34	Pilot			
110	1	EA	171-4753F-30	01 CP05-00524	475kOhm, 1/10W, TF Res, 1%, 0603	R31	Pilot			
115	1	EA	171-4992F-30	01 CP05-00524	49.9kOhm, 1/10W, TF Res, 1%, 0603	R14	Pilot			
120	1	EA	171-5113F-30	01 CP05-00524	511kOhm, 1/10W, TF Res, 1%, 0603	R33	Pilot			
125	1	EA	171-5760F-30	01 CP05-00524	576 Ohm, 1/10W, TF Res, 1%, 0603	R25	Pilot			
130	1	EA	171-7872F-30	01 CP05-00524	78.7kOhm, 1/10W, TF Res, 1%, 0603	R26	Pilot			
135	1	EA	171-4302F-30	01 CP05-00524	43.0KOhm, 1/10W, TF Res, 1%, 0603	R23	Pilot			

MPL 917-00550-02 [DVS READER WAND FILTER BOARD ASSEMBLY]

Item Num	Qty	U/M	Number	Rev	Title	Ref Des	Lifecycle	Notes	Target Cost
145	1	EA	206-0103J-30	03 M05-0 0007	0.01uF, Cer X7R, 50V, 10%, 0603	C25	Production		
150	10	EA	206-0104J-30	01 CP05- 00524	.1uF, 50V, capacitor, X7R, 10%, 0603	C5, C6, C8, C9, C12, C15 C20, C24, C28 C30	Pilot		
155	8	EA	216-0102H-30	01 CP05- 00524	1000pF, 50V capacitor, NPO, 5%, 0603	C13, C14 C16-C19 C21, C22	Pilot		
160	1	EA	216-0222H-30	01 CP05- 00524	2200pF, 50V capacitor, NPO, 5%, 0603	C27	Pilot		
165	1	EA	216-0272H-30	01 CP05- 00524	2700pF, 50V capacitor, NPO, 5%, 0603	C23	Pilot		
170	1	EA	216-0471H-30	01 CP05- 00524	470pF, 50V capacitor, NPO, 5%, 0603	C26	Pilot		
175	1	EA	216-0561H-30	01 CP05- 00524	560pF, 50V capacitor, NPO, 5%, 0603	C29	Pilot		
180	1	EA	218-0101H-30	01 CP05- 00524	100pF, 100V capacitor, NPO, 5%, 0603	C11	Pilot		
185	2	EA	218-0102H-50	01 CP05- 00524	1000pF, 100V capacitor, NPO, 5%, 0805	C2, C10	Pilot		
190	1	EA	218-0821H-60	01 CP05- 00524	820pF, Cer NPO, 100V, 5%, 1206	C1	Pilot		
195	1	EA	281-0106K-30	01 CP05- 00540	10uF, Tantalum capacitor, 6.3V, 20%, 0603 bottom pads	C3	Pilot		
200	1	EA	284-0335J-A0	01 CP05- 00524	3.3uF, 25V, Tantalum, 10%, case A	C7	Pilot		
205	1	EA	285-0105J-A0	01 CP05- 00524	1uF, 35V, Tantalum, 10%, case A	C4	Pilot		
210	1	EA	300-00100-U0	01 CP05- 00550	Diode, 100V, 200mA, SOT-23	D1	Pilot		
215	1	EA	310-0047V-U0	01 AGL00 0018	Zener Diode, 47V, 350mW, SOT23	D2	Production		
220	1	EA	330-07002-U0	03 CP05- 00440	MOSFET, N channel, 60V, SOT23	Q1	Production		
225	1	EA	375-02211-S0	01 AGL00 0021	FSK Demodulator/Tone Decoder	U5	Production		
230	2	EA	375-02461-U0	01 CP05- 00524	Op Amp, single, Rail to Rail I/O, 6.4MHz, SOT23-5	U2, U3	Pilot		
235	1	EA	375-02464-Y0	01 CP05- 00524	Op Amp, quad, Rail to Rail I/O, 6.4MHz, 14-pin TSSOP	U4	Pilot		
240	1	EA	375-71550-U0	01 P05-00 014	5V LDO Regulator, 50mA, SOT-323-5	U1	Pilot		
245	1	EA	410-00550-02	02 CP05- 00550	DVS Reader Wand Filter Board	PWB	Pilot		
247	1	EA	461-00020-00	01 CP05- 00564	PCB pin, .040", test point	TP1	Pilot		
250	1	EA	461-00013-R0	01 P05-00 014	10-pin Header, R/A, .1" , .295" mating	P2	Pilot	See Assy DWG	
260	1	EA	931-00550-02	02 CP05- 00550	DVS Reader Wand Filter Board Assembly Drawing		Pilot		
265	0	EA	932-00550-02	02 CP05- 00550	DVS Reader Wand Filter Board Schematic Dwg.		Pilot	schematic dwg for PCB	