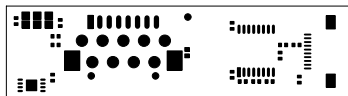


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Model 353		Serial GPS Adapter		Elphel, Inc http://www.elphel.com		1 OF 1	
NEXT ASSY		1D203696		DESIGNED		Andrey Filippov	
USED	QTY 1	REV A ECN #		DRAWN		Andrey Filippov	
FILE 103696A	803696	DATE 05/11/2011		DATE		02/11/2011	
				PRINTED		7/26/2011 AT 10:50:10 PM	

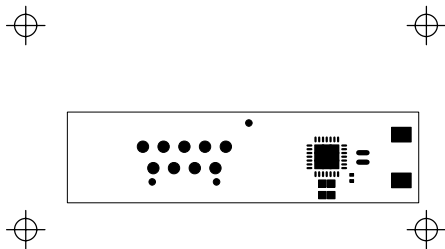
SUB-ASSEMBLY														
USAGE	#		NO.			4A203696	RELEASE DATE	07/26/11	P/L	REV.	REV.	Units to	Total	Cost per
			TITLE			Model 353 Serial GPS Adapter PCB Assembly 803696	JOB#	N/A	2/11/2011	A	5/11/2011	1	\$22.40	\$22.40
		# TO	MFGR			1	WORK ORDER #	N/A						
		NEXT	ASSY			4A-?????	NON STANDARD NOTATIONS							
DESIGNATOR	ITEM	QTY	EXT	STK	ROHS	DESCRIPTION	PART	MANUFAC	VENDOR	VENDOR	PURCH	UNIT	TOTAL	NEW
NUMBER	#	REQ	QTY	CHK			#	TURER	VENDOR	PART #	QTY	PRICE	TOTAL	STOCK
Related Documents														
	0.5	1	1			Schematic 103696a (803696), Model 353	1D203696 Rev.A	Designed by Andrey Filippov						
	20	1	1			Fabrication (803696), Model 353	4F203696 Rev.A							
	21	1	1			Artwork (803696), Model 353	4G203696 Rev.A							
Integrated Circuits														
U1	40	1	1		Y	USB to UART bridge with GPIO, 3.3V, QFN-28	CP2103-GM	Silicon Laboratories	Digi-Key	336-1164-ND	1	5.36	5.36	0
U2	41	1	1		Y	I2C 2Kb EEPROM, TDFN-8	34VL02/MNY	Microchip	Digi-Key	34VL02T/MNYC T-ND	1	0.81	0.81	0
U3	42	1	1		Y	RS232 driver, Dual Tx/Rx, TSSOP-16	ADM3202ARUZ	Analog Devices	Digi-Key	ADM3202ARUZ-ND	1	1.35	1.35	0
Diodes														
Z1	43	1	1			TVS Bidirectional, 5V, SLP1006P2, marked as O	UCLAMP0511P.T CT	Semtech	Digi-Key	UCLAMP0511PC T-ND	1	0.52	0.52	0
Resistors														
R4	44	1	1		Y	Resistor, 1KΩ, ±1%, SMD 0402, marked as 1001	RC0402FR-071KL	Yageo	Digi-Key	311-1.00KLRCT-ND	10	0.067	0.67	9
R1-R3	45	3	3		Y	Resistor, 10KΩ, ±1%, SMD 0402, marked as 1002	RC0402FR-0710KL	Yageo	Digi-Key	311-10.0KLRCT-ND	10	0.094	0.94	7
Capacitors														
C1-C9	46	9	9		Y	Capacitor, Ceramic Chip, 0.1μF, 10V, C0402D	C0402C104K8PA CTU	Kemet	Digi-Key	399-3027-1-ND	10	0.083	0.83	1
Inductors and LC filters														
L1-L2	47	2	2		Y	SMD Inductor, 120 Ohm, 1.2A, SMD 0402	MPZ1005S121C	TDK	Digi-Key	445-2981-1-ND	2	0	0	0
Connectors														

DESIGNATOR	ITEM	QTY	EXT	STK	ROHS		PART	MANUFAC	VENDOR	VENDOR	PURCH	UNIT		NEW
NUMBER	#	REQ	QTY	CHK		DESCRIPTION	#	TURER	VENDOR	PART #	QTY	PRICE	TOTAL	STOCK
-----	----	---	----	---	----	-----	-----	-----	-----	-----	-----	----	----	----
J4	48	1	1		Y	1.25mm Pitch Super Low profile Crimping Connector, 2 pins, Right angle SMT header, 2 contacts, 150V, 1A , DF142P125H	DF14-2P-1.25H-55	Hirose	Digi-Key	H10311-ND	1	1.25	1.25	0
J3	49	1	1		Y	1.25mm Pitch Super Low profile Crimping Connector, 2 pins, Right angle SMT header, 8 contacts, 150V, 1A , DF148P125H	DF14-8P-1.25H-55	Hirose	Digi-Key	H10325-ND	1	1.82	1.82	0
J14	50	1	1		Y	1.25mm Pitch Super Low profile Crimping Connector, 2 pos., Crimp Socket, 150V, 1A , DF142S125C	DF14-2S-1.25C	Hirose	Digi-Key	H1563-ND	1	0.54	0.54	0
J13	51	1	1		Y	1.25mm Pitch Super Low profile Crimping Connector, 8 pos., Crimp Socket, 150V, 1A , DF148S125C	DF14-8S-1.25C	Hirose	Digi-Key	H1569-ND	1	0.48	0.48	0
J1	52	1	1		Y	0.5 mm-Pitch Flip-Lock FPC Connector, top contact, 10 pos., FH12A-10S-0.5SH55	FH12A-10S-0.5SH55	Hirose	Digi-Key	HFK110CT-ND	1	1.77	1.77	0
J2	53	1	1		Y	Connector D-SUB, 9 pins, Male, PCB, Through-hole, 1A , 1-338309-2	1-338309-2	Tyco Electronics	Digi-Key	A35163-ND	1	6.06	6.06	0
						Sockets and Matching Parts								
XJ13-XJ14	54	10	10			1.25mm Pitch Super Low profile Crimping Connector, 26-28AWG Crimp Gold Terminal, DF142628SCFA	DF14-2628SCFA	Hirose	Digi-Key		0	0	0	-10



	SOLDER MASK TOP		

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		SOLDER MASK BOTTOM	

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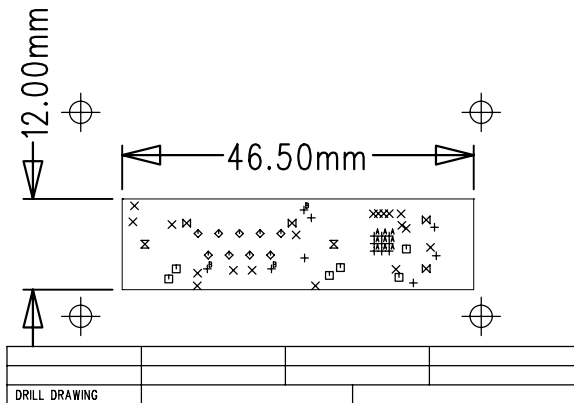
TOP SIDE (LAYER-1)			
	COMPONENT COPPER TOP (L-18)		

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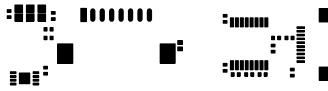
			BOTTOM SIDE (LAYER-2)
			COMPONENT COPPER BOTTOM (L-19)

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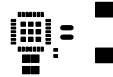
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SIZE	QTY	SYM	PLTD
32	5	+	PLTD
10	18	×	PLTD
22	6	□	PLTD
27.56	9	◇	PLTD
122.05	2	⊗	NPLTD
43.31	4	⊗	NPLTD
9.84	9	A	PLTD
25	3	B	PLTD



	PASTE MASK TOP		

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