

Module : MFOS Euro VCO				Total Parts : 119						
BOM Line	Type	Mfg Part Number	Manufacturer	Short Description	Value	Unit	Qty	Part Notes	Reference Designator	Package
Line 1	CAP	C0805C104J5RACTU	Kemet	MLCC - SMD/SMT 50volts 0.1uF X7R 5% 100nF	0.1	uF	15		B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, C1, C2, C8	0805
Line 2	CAP	C1206C105K4RACTM	Kemet	MLCC - SMD/SMT 16volts 1uF 10% X7R 10%	1	uF	2		C12, C13	1206
Line 3	CAP	C0805C479K1GACTU	Kemet	MLCC - SMD/SMT 100volts 4.7pF C0G 10%	4.7	pF	1		C18	0805
Line 4	CAP	EEE-1EA100SR	Panasonic	Aluminum Electrolytic Capacitors - SMD 10uF 25V	10	uF	2		C7, C10	Panasonic S
Line 5	CAP	C0805C100J5GACTU	Kemet	MLCC - SMD/SMT 50volts 10pF C0G 5%	10	pF	1		C4	0805
Line 6	CAP	C0805C101J5GACTU	Kemet	MLCC - SMD/SMT 50volts 100pF C0G 5%	100	pF	3		C3, C17, C19	0805
Line 7	CAP	C0805C102J5GACTU	Kemet	MLCC - SMD/SMT 50volts 1000pF C0G 5% 1nF	1000	pF	1		C5	0805
Line 8	CAP	C0805C202J5GACTU	Kemet	MLCC - SMD/SMT 2000pF 5% 50V C0G	2000	pF	1		C14	0805
Line 9	CAP	23PW250	Xicon	Film Capacitors STYRENE 50V .005uF 5000pF	5000	pF	1	THRU-HOLE SOLDER CAREFULLY TEMP SENSISTIVE	C6	n/a
Line 10	DIO	1N4148WS	Fairchild Semiconductor	1N4148 diode SMT	1	ea	8		D1 TO D8	SOD323
Line 11	HDR	67997-410HLF	Amphenol FCI	Headers & Wire Housings 10 POSITION DBL. ROW	10	pin	1			n/a
Line 12	HDW	HDWWSHR#4NYLON X	Fastener Express	#4 Flat Washer Nylon	1	each	4			#4
Line 13	HDW	502366	Fastener Superstore	M2.5-0.45 x 6 mm Machine Screws / Phillips / Pan Head / Steel / Black Oxide / DIN7985A	6	mm	4	PANEL MOUNTING		M2.5
Line 14	IC	SSM2212RZ	Analog Devices	SSM2212RZ Bipolar Transistors - BJT Low Noise Matched Dual NPN SMT	1	Each	1		U3	SOIC8
Line 15	IC	595-TL074CD	Texas Instruments	TL074 quad op-amp	1	ea	1		U4	SOIC14
Line 16	IC	TL071CDT	Texas Instruments	TL071 Operational Amplifiers - Op Amps Single Lo-Noise JFET SMT	1	Each	1		U7	SO8
Line 17	IC	OP275GSZ-R	Analog Devices	OP275GSZ Audio Amplifiers Bipolar/JFET Audio Dual 1mV 2nA	1	each	1		U1	SOIC8
Line 18	IC	926-LM13700MX/NOPB	Texas Instruments	LM13700 dual OTA SMT SOIC16	1	ea	1		U5	SOIC16

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Line 19	IC	595-TL072CD	Texas Instruments	TL072 dual op-amp	1	ea	2		U2, U6	SOIC8
Line 20	JCK	PJ301M-12	QingPu	3.5mm Jack PJ301M-12	3.5	mm	8	HEX	J1 TO J8	n/a
Line 21	KNB	CPCE156S64W7	Chia Shin	15mm black ABS knob white dot round 6.4mm shaft	1	each	2			n/a
Line 22	KNB	CPCE246S64W7E	Chia Shin	24mm black ABS knob white dot round 6.4mm shaft	1	each	1			n/a
Line 23	MISC	HEATSINK	synthCube	thermal heatsink compound small pak	1	each	1			
Line 24	POT	R0904N-B100K L-20KQ/LWS	Song Huei	9mm panel trimmer B100K linear 20mm short shaft	100	kOhm	1	FINE	R3	n/a
Line 25	POT	RD901F-40-15R1-B100K	Alpha	100K OHM LINEAR POT ROUND SHAFT PCB 9MM	100	kOhm	3		R2, R4, R39	n/a
Line 26	PWR	10-16EUROCABLE	Erthenvar	EURO 10-16 PIN POWER CABLE	10	each	1			
Line 27	RES	RC0805JR-071KL	Yageo	Thick Film Resistors - SMD 1K OHM 5%	1	kOhm	5		R22, R26,R34, R49, R51	0805
Line 28	RES	RC0805FR-072KL	Yageo	Thick Film Resistors - SMD 2K OHM 1%	2	kOhm	1		R26	0805
Line 29	RES	2KTEMPCO	Ankaeohm	2k ohm tempco resistor 3500ppm	2	kOhm	1	THRU HOLE	R24	
Line 30	RES	RC0805FR-073KL	Yageo	Thick Film Resistors - SMD 3K OHM 1%	3	kOhm	1		R41	0805
Line 31	RES	RC0805FR-074K7L	Yageo	Thick Film Resistors - SMD 4.7K OHM 1%	4.7	Kohm	3		R9, R36, R52	0805
Line 32	RES	RC0805JR-0710KL	Yageo	Thick Film Resistors - SMD 10K OHM 5%	10	kOhm	11		R1, R12, R13, R25, R32, R17, R35, R40, R42, R47, R71	0805
Line 33	RES	RC0805JR-0718KL	Yageo	Thick Film Resistors - SMD 18K OHM 5%	18	Kohm	1		R70	0805
Line 34	RES	RC0805FR-0720KL	Yageo	Thick Film Resistors - SMD 20K OHM 1%	20	kOhm	3		R14, R21, R48	0805
Line 35	RES	RC0805FR-0747KL	Yageo	Thick Film Resistors - SMD 47K OHM 1%	47	kOhm	2		R20, R65	0805
Line 36	RES	RC0805FR-0791KL	Yageo	Thick Film Resistors - SMD 91K OHM 1%	91	Kohm	1		R6	0805
Line 37	RES	RC0805JR-07100KL	Yageo	Thick Film Resistors - SMD 100K OHM 5%	100	kOhm	10		R10, R15, R18, R23, R29, R31,R44, R50, R66, R67	0805
Line 38	RES	RC0805FR-07475RL	Yageo	Thick Film Resistors - SMD 475 OHM 1%	475	Ohm	1		R19	0805
Line 39	SEMI	MI1210K600R-10	Laird Technologies	Ferrite Beads 60ohms 100MHz 1.5A Monolithic 1210 SMD	1	each	2		L1, L2	1210

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Line	40	SEMI	MB1S	ON Semiconductor	MB1S Bridge Rectifiers 0.5A Bridge	1	each	1		D20	SOIC4
Line	41	TRM	A-588	Alpha	1M OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W	1	mOhm	1		R59	3296W
Line	42	TRM	3296W-1-103LF	Alpha	10K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W	10	kOhm	2		R5, R7	3296W
Line	43	TRM	3296W-1-104LF	Alpha	100K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W	100	kOhm	3		R11,R60,R64	3296W
Line	44	TRM	A-584	Bourns	100 OHM TRIMMER CERMET POTENTIOMETER 25 TURNS 3296W	100	Ohm	1		R16	3296W
Line	45	TRN	MMBF5457	ON Semiconductor	MMBF5457 JFET N-Channel Transistor General Purpose	1	each	1		Q1	SOT23-3