

# Bill of Materials

# MX57 200MHz LVCMOS Clock Source Eval Bd

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Board Number: 04-10512-1  
Part Number: ADM00791  
Revision: 2  
Engineer: Idan Shtayer  
Drawn By: Idan Shtayer



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Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
1	C1	CAP CER 0.01uF 16V 10% X7R SMD 0402	KEMET	C0402C103K4RACTU	Digi-Key	399-1038-1-ND
1	C2	CAP CER 100uF 6.3V 20% X5R SMD 1206	Murata	GRM31CR60J107ME39L	Digi-Key	490-4539-1-ND
1	C3	CAP CER 5600PF 50V 10% X7R 0402	Samsung Electro-Mechanics America, Inc	CL05B562KB5NNNC	Digi-Key	1276-1579-1-ND
1	C4	CAP CER 10000pF 16V 10% X7R SMD	Samsung	CL10B103KO8NNNC	Digi-Key	1276-1926-1-ND
2	FB1, FB2	FERRITE CHIP 5 OHM 300MA 0402	Murata Electronics North America	BLM15BA050SN1D	Digi-Key	490-5179-1-ND
1	J1	CON HDR-2.54 Male 1x3 Tin Lock 7.49MH TH VERT	Molex Inc	0022272031	Digi-Key	WM4112-ND
1	J2	CONN SMA PLUG 50 OHM EDGE MNT	Amphenol-RF Division	132365-10	Digi-Key	ACX1915-ND
1	J3	CON HDR-2.54 Male 1x3 Tin 5.84MH TH VERT	Samtec	TSW-103-07-T-S	Digi-Key	SAM1035-03-ND
2	J4, J5	CON HDR-2.54 Male 1x1 Gold 5.97MH TH VERT	Samtec	TSW-101-07-L-S	Samtec	TSW-101-07-L-S
1	R1	RES TKF 20k 1% 1/10W SMD 0603	Yageo	9C06031A2002FKHFT	Digi-Key	311-20.0KHTR-ND
1	R2	RES TKF 49.9R 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF49R9V	Digi-Key	P49.9HCT-ND
1	R3	RES TKF 147k 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF1473V	Digi-Key	P147KHTR-ND
1	R4	RES TKF 0R 1/10W SMD 0603	Panasonic	ERJ-3GSY0R00V	Digi-Key	P0.0GTR-ND
1	R5	RES TKF 1k 1% 1/10W SMD 0402	Panasonic	ERJ-2RKF1001X	Digi-Key	P1.00KLTR-ND
1	TP1	CON TP LOOP Black TH	Keystone	5011	Digi-Key	5011K-ND
1	TP2	CON TP LOOP White TH	Keystone	5012	Digi-Key	5012K-ND
1	TP3	CON TP LOOP Red TH	Keystone	5010	Digi-Key	5010K-ND

### Microchip Parts listed below

1	U1	MCHP ANALOG LDO 3.3V MCP1727T-3302E/MF DFN-8	Microchip	MCP1727T-3302E/MF	Microchip	MCP1727T-3302E/MF
1	Y1	MCHP ANALOG OSCILLATOR 200MHZ MX575ABC200M000 LGA-6	Microchip	MX575ABC200M000	Microchip	MX575ABC200M000

Mechanical Parts to be added in the package						
0.05 *see note*	J6	MECH HW JUMPER Wire Female to Female 3" Pack of 40	Adafruit Industries LLC	794	Digi-Key	1528-1159-ND
1	JP1 *see note*	MECH HW JUMPER 2.54mm 1x2 Phosphor Bronze w/ Handle	JAMECO VALUEPRO	2012JH-R	Jameco	152671
PCB						
1	PCB1	ADM00724 Printed Circuit Board		04-10512-R2		

Approved	Notes	Description
	Instructions for J6	Jumper wire sold in packages of 40. Each board will require 2 jumper wires to be included in the package
	Instructions for JP1	Place the shunt across 3.3V