

Bill of Materials

MIC45404 Evaluation Board

Document Number: 02-10620
Board Number: 04-10620
Part Number: ADM00809
Revision: 1
Engineer: Mihai Tanase
Drawn By: Mihai Tanase



Creation Date: 11:33:45 AM
Print Date: 3:26:17 PM

Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
3	C2, C3, C4	CAP CER 22uF 25V 10% X5R SMD 1206	Murata Electronics North America	GRM31CR61E226KE15L	Digi-Key	490-5527-1-ND
1	C5	CAP CER 2.2uF 10V 10% X7R SMD 0603	Murata	GRM188R71A225KE15D	Digi-Key	490-4520-1-ND
1	C6	CAP CER 0.010uF 25V 10% X7R SMD 0603	Yageo	CC0603KRX7R8BB103	Digi-Key	311-1360-1-ND
2	C10, C21	CAP CER 22uF 10V 20% X7S SMD 0805	TDK Corporation	C2012X7S1A226M125AC	Digi-Key	445-14560-1-ND
2	C11, C13	CAP CER 100uF 6.3V 20% X7S SMD 1210	Murata Electronics North America	GRM32EC70J107ME15L	Digi-Key	490-10530-1-ND
1	C12	CAP TANT 220uF 6.3V 10% 225mOhm SMD C	AVX	TPSC227K006R0125	Digi-Key	478-1768-2-ND
1	C18	CAP CER 0.1uF 16V 10% X7R SMD 0603	AVX	0603YC104KAT2A	Digi-Key	478-1239-1-ND
1	D1	DIO RECT 1N4148WS 1.25V 150mA 75V SOD-323	Diodes Inc	1N4148WS-7-F	Digi-Key	1N4148WS-FDICT-ND
5	J1, J2, J6, J13, J14	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	FCI	77311-118-02LF	Digi-Key	609-4434-ND
1	J3	CON TERMINAL 3.5mm 1x2 Female 16-28AWG 6A TH R/A	On Shore Technology Inc	ED555/2DS	Digi-Key	ED1514-ND
1	J4	CON HDR-2.54 Male 1x7 Gold 5.84MH TH VERT	Samtec	TSW-107-07-S-S	Samtec	TSW-107-07-S-S
5	J5, J7, J8, J11, J12	CON HDR-2.54 Male 1x3 Tin 6.75MH TH VERT	Molex Inc	90120-0123	Digi-Key	WM8073-ND
1	J15	CON HDR-2.54 Male 2x6 Gold 5.84MH TH VERT	Samtec	TSW-106-07-G-D	Digi-Key	SAM1028-06-ND
1	Q2	TRANS FET N-CH FDS6692A 30V 9A 1.47W SOIC-8	Fairchild	FDS6692A	Mouser	512-FDS6692A
1	R1	RES TKF 0R 1/10W SMD 0603	Panasonic	ERJ-3GSY0R00V	Digi-Key	P0.0GTR-ND
1	R4	RES TF 10k 1% 1/16W SMD 0603	TE Connectivity	5-1879337-9	Digi-Key	A102203CT-ND
1	R5	RES TKF 1k 5% 1/10W SMD 0603	Panasonic	ERJ-3GEYJ102V	Digi-Key	P1.0KGCT-ND
1	R6	RES TKF 20k 5% 1/10W SMD 0603	Panasonic	ERJ-3GSYJ203	Digi-Key	P20KGCT-ND
1	R7	RES TKF 49.9R 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF49R9V	Digi-Key	P49.9HCT-ND
1	R8	RES TKF 2.55k 1% 1/10W SMD 0603	Yageo	RC0603FR-072K55L	Digi-Key	311-2.55KHRCT-ND
4	R10, R11, R12, R13	RES TKF 1R 1% 2W SMD 2512	Bourns Inc.	CRM2512-FX-1R00ELF	Digi-Key	CRM2512-FX-1R00ELFCT-ND
4	TP1, TP2, TP3, TP4	CON TP PIN Tin TH	Harwin	H2121-01	Digi-Key	952-1440-ND
2	TP5, TP6	MISC, TEST POINT MULTI PURPOSE MINI WHITE	Keystone	5002	Digi-Key	36-5002-ND

Microchip Parts listed below

1	U1	MCHP ANALOG SWITCHER Buck 0.7V to 3.3V MIC45404YMP-TR P2QFN106-54	Microchip Technology	MIC45404YMP-TR	Digi-Key	MIC45404YMP-TRCT-ND
Mechanical Parts to be added in the package						
2	JP1, JP2	MECH HW JUMPER 2.54mm 1x2	3M	969102-0000-DA	Digi-Key	3M9580-ND
1	LABEL1	LABEL, NEED HELP WITH ASSY/SERIAL			Dev Tools	
4	PAD1, PAD2, PAD3, PAD4	MECH HW RUBBER PAD CYLINDRICAL D7.9 H5.3 BLACK	3M	SJ61A11	Digi-Key	SJ5747-0-ND
Do Not Populate Parts listed below						
1	C1	CAP ALU 220uF 16V 20% 0.015R RAD P3.5D8H8	Würth Electronics Inc	870025374003	Digi-Key	732-6315-1-ND
3	C8, C19, C20	CAP CER 2.2uF 10V 10% X7R SMD 0603	Murata	GRM188R71A225KE15D	Digi-Key	490-4520-1-ND
1	C9	CAP CER 0.010uF 25V 10% X7R SMD 0603	Yageo	CC0603KRX7R8BB103	Digi-Key	311-1360-1-ND
3	J17, J18, J19	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	FCI	77311-118-02LF	Digi-Key	609-4434-ND
1	Q1	TRANS FET N-CH 2N7002-7-F 60V 170mA 370mW SOT-23-3	Diodes Inc	2N7002-7-F	Digi-Key	2N7002-FDICT-ND
2	R2, R3	RES TF 10k 1% 1/16W SMD 0603	TE Connectivity	5-1879337-9	Digi-Key	A102203CT-ND