

# Bill of Materials

# MIC33M650 6A Step Down Module Eval Board

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 Part Number: DT100107  
 Revision: 1  
 Engineer: Alexandru Stoica  
 Drawn By: Alexandru Stoica

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Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
1	C1	CAP CER 22uF 10V 20% X7S SMD 0805	TDK	C2012X7S1A226M125AC	Digi-Key	445-14560-1-ND
1	C2	CAP ALU 470uF 16V 20% RAD P3.5D8H11.5	Nichicon	UVZ1C471MPD	Digi-Key	493-1286-ND
2	C5, C6	CAP CER 47uF 10V 20% X5R SMD 0805	TDK	C2012X5R1A476M125AC	Digi-Key	445-8239-2-ND
4	J1, J5, J9, J11	CON TP PIN Tin TH	Harwin	H2121-01	Digi-Key	952-1440-ND
4	J2, J6, J16, J17	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	Amphenol ICC	77311-118-02LF	Digi-Key	609-4434-ND
2	J3, J8	MISC, TEST POINT MULTI PURPOSE MINI RED	Keystone Electronics	5000	Digi-Key	36-5000-ND
3	J4, J12, J13	CON HDR-2.54 Male 1x3 Tin 5.84MH TH VERT	Samtec	TSW-103-07-T-S	Digi-Key	SAM1035-03-ND
3	J10, J14, J15	MISC, TEST POINT MULTI PURPOSE MINI BLACK	Terminal	5001	Digi-Key	36-5001-ND
1	J18	CON RF Coaxial Ultra Miniature Male SMD VERT	Hirose	U.FL-R-SMT-1(10)	Digi-Key	H11891CT-ND
1	R1	RES TKF 49.9R 1% 1/10W SMD 0603	Panasonic	ERJ3EKF49R9V	Digi-Key	P49.9HCT-ND
1	R2	RES TKF 1M 1% 1/10W SMD 0603	Panasonic	ERJ-3EKF1004V	Digi-Key	P1.00MHCT-ND
1	R3	RES TKF 10R 1% 1/10W SMD 0603	Panasonic	ERJ3EKF10R0V	Digi-Key	P10.0HTR-ND
1	R4	RES TKF 100k 1% 1/10W SMD 0603	TE Connectivity	1622827-1	Digi-Key	A106046CT-ND
<b>Microchip Parts listed below</b>						
1	U1	MCHP ANALOG SWITCHER Buck 0.6V to 3.3V 6A MIC33M650YMP QFN-53	Microchip Technology	MIC33M650YMP	Microchip Technology	MIC33M650YMP
<b>Mechanical Parts to be added in the package</b>						
3	JP1, JP2, JP3	MECH HW JUMPER 2.54mm 1x2	3M	969102-0000-DA	Digi-Key	3M9580-ND
4	PAD1, PAD2, PAD3, PAD4	MECH HW RUBBER PAD CYLINDRICAL D7.9 H5.3 BLACK	3M	70006431483	Digi-Key	SJ5747-0-ND
<b>Do Not Populate Parts listed below</b>						
0	C3, C4	CAP CER 47uF 10V 10% X7R SMD 1210	Murata	GRM32ER71A476KE15L	Farnell	1797018RL
0	J7	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	Amphenol ICC	77311-118-02LF	Digi-Key	609-4434-ND