

# Bill of Materials

# MAQ3203YM Evaluation Board

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 Board Number: 04-10833  
 Part Number: ADM00940  
 Revision: 1  
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 Drawn By: Daniel Dobre



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Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
3	C1, C2, C5	CAP CER 4.7uF 50V 10% X7R SMD 1210	<a href="#">Taiyo Yuden</a>	<a href="#">UMK325B7475KM-T</a>	Digi-Key	<a href="#">587-2673-2-ND</a>
1	C3	CAP CER 1uF 25V 10% X7R SMD 0805	<a href="#">AVX</a>	<a href="#">08053C105K4Z2A</a>	Digi-Key	<a href="#">478-6357-2-ND</a>
1	D1	DIO SCTKY SK36 60V 3A DO-214AB_SMC	<a href="#">Micro Commercial Co</a>	<a href="#">SK36-TP</a>	Digi-Key	<a href="#">SK36-TPMSCT-ND</a>
7	J1, J2, J3, J4, J5, J6, J7	CON TP PIN Tin TH	<a href="#">Harwin</a>	<a href="#">H2121-01</a>	Digi-Key	<a href="#">952-1440-ND</a>
3	J10, J11, J13	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	<a href="#">FCI</a>	<a href="#">77311-118-02LF</a>	Digi-Key	<a href="#">609-4434-ND</a>
1	L1	INDUCTOR 68uH 1.45A 0.18R 20% SMD 10x10x4.5 AEC-Q200	<a href="#">Taiyo Yuden</a>	<a href="#">NS10145T680MNV</a>	Digi-Key	<a href="#">587-4184-1-ND</a>
1	M1	TRANS FET N-CH FDS5672 60V 12A 2.5W SOIC-8	<a href="#">ON Semiconductor</a>	<a href="#">FDS5672</a>	Digi-Key	<a href="#">FDS5672CT-ND</a>
1	R1	RES SHUNT TKF 0.2R 1% 1/2W SMD 1206	<a href="#">Stackpole Electronics Inc</a>	<a href="#">CSR1206FKR200</a>	Digi-Key	<a href="#">CSR1206FKR200CT-ND</a>
2	R2, R3	RES TKF 100k 1% 1/8W SMD 0805	<a href="#">ROHM</a>	<a href="#">MCR10EZPF1003</a>	Digi-Key	<a href="#">RHM100KCRCT-ND</a>
1	R4	RES TKF 0R 1/16W SMD 0805	<a href="#">Stackpole Electronics Inc</a>	<a href="#">RMCF 1/10 0 R</a>	Digi-Key	<a href="#">RMCF1/100RCT-ND</a>
1	R6	RES TKF 10k 1% 1/16W SMD 0805	<a href="#">Stackpole Electronics Inc</a>	<a href="#">RMCF0805FT10K0</a>	Digi-Key	<a href="#">RMCF0805FT10K0CT-N</a>

### Microchip Parts listed below

1	U1	MCHP ANALOG LED DRIVER PWM MAQ3203YM SOIC-8 AEC -Q100	<a href="#">Microchip Technology Inc</a>	<a href="#">MAQ3203YM</a>	Microchip Tech	<a href="#">MAQ3203YM</a>

Mechanical Parts to be added in the package						
1	LABEL	LABEL, ASSY W/REV LEVEL (SMALL MODULES) PER MTS-0002				
4	PAD1, PAD2, PAD3, PAD4	MECH HW RUBBER PAD CYLINDRICAL D7.9 H5.3 BLACK	<a href="#">3M</a>	<a href="#">SJ61A11</a>	Digi-Key	<a href="#">SJ5747-0-ND</a>

PCB						
1	PCB1	Printed Circuit Board		04-10833-R1		

Do Not Populate Parts listed below						
1	C4	CAP CER 270pF 100V 5% C0G SMD 0805	<a href="#">Murata Electronics North</a>	<a href="#">GRM2165C2A271JA01D</a>	Digi-Key	<a href="#">490-1609-1-ND</a>
2	C6, C7	CAP CER 4.7uF 50V 10% X7R SMD 1210	<a href="#">Taiyo Yuden</a>	<a href="#">UMK325B7475KM-T</a>	Digi-Key	<a href="#">587-2673-2-ND</a>
0	J8, J9, J12	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	<a href="#">FCI</a>	<a href="#">77311-118-02LF</a>	Digi-Key	<a href="#">609-4434-ND</a>
1	R5	RES TKF 2.2R 1% 1/8W SMD 0805 AEC-Q200	<a href="#">Vishay Dale</a>	<a href="#">CRCW08052R20FKEA</a>	Digi-Key	<a href="#">541-2.20CCCT-ND</a>

Approved	Notes	Description