

Bill of Materials

MCP2221 Breakout Module



Board Number: 02-10241
Revision: 3
Engineer: Bogdan Bolocan
Drawn By: Bogdan Popescu
Board Part #: ADM00559
Creation Date: 3:02:16 PM
Print Date: 3:54:50 PM

Quantity	Designator	Description_	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
2	C1, C3	CAP CER 4.7uF 10V 10% X5R SMD 0805	Taiyo Yuden	LMK212BJ475KD-T	Digi-Key	587-1297-1-ND
2	C2, C5	CAP CER 0.1uF 16V 10% X7R SMD 0603	NIC Components	NMC0603X7R104K16TR	NIC Componen	NMC0603X7R104K16TRPF
1	C4	CAP CER 0.47uF 6.3V 10% X5R SMD 0603	Murata	GRM188R60J474KA01D	Digi-Key	490-1548-1-ND
1	J3	CON HDR-2.54 Female 1x6 Gold TH R/A	Sullins	PPPC061LGBN-RC	Digi-Key	S5481-ND
1	J4	CON HDR-2.54 Male 1x3 Gold 5.84MH TH VERT	FCI	68000-103HLF	Digi-Key	609-3461-ND
1	J5	CON USB MINI-B Female SMD R/A	Hirose Electric Co Ltd	UX60SC-MB-5ST(80)	Digi-Key	H11671CT-ND
2	J6, J7	CON HDR-2.54 Male 1x2 Gold 5.84MH TH VERT	FCI	68001-202HLF	Digi-Key	609-3469-ND
1	R1	RES TKF 10k 5% 1/10W SMD 0603	Panasonic	ERJ-3GEYJ103V	Digi-Key	P10KGCT-ND
2	R2, R3	RES TKF 2.2k 5% 1/10W SMD 0603	NIC Components	NRO6J222TRF	NIC Componen	NRO6J222TRF

Microchip Parts listed below

1	U1	MCP2221 USB to I2C & UART Bridge TSSOP-14	Microchip	MCP2221 TSSOP-14		
1	U2	MCHP ANALOG LDO 3.3V MCP1825ST-3302E/DB SOT-223-3	Microchip	MCP1825S-3302E/DB	Microchip	MCP1825S-3302E/DB

Mechanical Parts to be added in the package

3	JP1, JP2, JP3	MECH HW JUMPER 2.54mm 1x2 Handle Gold	TE Connectivity	881545-2	Digi-Key	A26242-ND
---	---------------	---------------------------------------	-----------------	----------	----------	-----------

Do Not Populate Parts listed below						
0	J1, J2	CON HDR-2.54 Male 1x7 Gold 5.84MH TH VERT	Samtec	TSW-107-07-S-S	Samtec	TSW-107-07-S-S

Approved	Notes

