

SchmartModule 710-0013-01 Active Filter Board

Revised: Tuesday, July 28, 2015

500-0198-01 Revision: A

Item	Quantity	Reference Designator	Part Discription	Footprint	MFG	MFG P/N	Color coded
1	2	C4,C1	CAP 0805 1uF 50V 10% X7R	0805	KEMET	C0805C105K5RACTU	
2	2	C2,C5	CAP 0805 0.1uF 50V 10% X7R	0805	KEMET	C0805C104K5RACTU	
3	2	C3,C6	CAP 0805 10000PF 50V 10% X7R	0805	KEMET	C0805C103K5RACTU	
4	2	J1,J2	HEADER Male 1 X 2 0.1" SP	T.H.	Sullins	PREC002SAAN-RC	
5	4	VDD(TP1), GND(TP2), GND(TP3), VSS(TP4)	HEADER Male Single pin	T.H.	Sullins	PREC001SAAN-RC	
6	1	U1	IC SOIC-8 General Purpose OPAMP	SOIC-8	T.I.	OPA172IDR	
7	2	RC1,RC4	RES 15K, 5%, 1/4W, Axial	T.H.	YAGEO	CFR-25JB-52-15K	
8	1	RC3	RES 3K, 5%, 1/4W, Axial	T.H.	YAGEO	CFR-25JB-52-3K	
9	1	R2	RES 750, 1%, 1/4W, Axial	T.H.	YAGEO	CFR-25JB-52-750R	
10	1	R1	RES 10K, 5%, 1/4W, Axial	T.H.	YAGEO	CFR-25JB-52-10K	
11	1	C7	CAP 0.1uF,X7R,50V,Axial	T.H.	KEMET	C420C104K5R5TA7200	Black
12	1	RC2	CAP 0.033uF,X7R,50V,Axial	T.H.	VISHAY	A333K15X7RF5TAA	Red
13	1	RC5	CAP 0.01uF,X7R,50V,Axial	T.H.	VISHAY	A103K15X7RF5TAA	N/A
14	16	Single pin female header installed for all Rx, Cx, RCx in item 7~13					

Default setting (No stuff and Included in the package)