

Report Written: April 2014 15:50

Design Title : Simultaneous Multi-Channel Signal Sampling Device

Created : 3/25/2014 12:19:21 AM

Last Saved : 4/27/2014 3:25:44 PM

Editing Time : 2025 min

Units : mm (precision 3)

Bill of Materials generated with DesignSpark PCB - www.DesignSpark.com/pcb

Ref Name	Qty	Component	Manufacturer	MPN	Description
R1	1	Res	TE Connectivity	1-1614884-0	RES 5.10 OHM 1/10W 0.1% 0805
IC1	1	ADC	Cirrus Logic	CS5368-CQZ	IC ADC 24BIT SRL 192KHZ 48-LQFP
C11	1	Cap	Kemet	CBR06C240FAGAC	CAP CER 24PF 250V 1% NP0 0603
C10	1	Cap	Kemet	CBR06C240FAGAC	CAP CER 24PF 250V 1% NP0 0603
PL1	1	Conn	3M	929400-01-18-RK	CONN HEADER .100 SNGL STR
In1	1	Conn	3M	929400-01-18-RK	CONN HEADER .100 SNGL STR
In2	1	Conn	3M	929400-01-18-RK	CONN HEADER .100 SNGL STR
In3	1	Conn	3M	929400-01-18-RK	CONN HEADER .100 SNGL STR
In4	1	Conn	3M	929400-01-18-RK	CONN HEADER .100 SNGL STR
XTAL1	1	Crystal	ECS Inc	ECS-274.688-CDX-0384	CRYSTAL 27.4688MHZ 12PF SMD
C6	1	Cap	Panasonic	EEE-HA1A221XP	CAP ALUM 220UF 10V 20% SMD
C4	1	Cap	Murata	GRM31C5C1H104FA01L	CAP CER 0.1UF 50V 1% NP0 1206
C5	1	Cap	Murata	GRM31C5C1H104FA01L	CAP CER 0.1UF 50V 1% NP0 1206
C1	1	Cap	Murata	GRM3195C1H103FA01D	CAP CER 10000PF 50V 1% NP0 1206
C3	1	Cap	Murata	GRM3195C1H103FA01D	CAP CER 10000PF 50V 1% NP0 1206
C8	1	Cap	Murata	GRM3195C1H103FA01D	CAP CER 10000PF 50V 1% NP0 1206
C9	1	Cap	Murata	GRM3195C1H103FA01D	CAP CER 10000PF 50V 1% NP0 1206
IC2	1	FlipFlop	On Semi	MC74HC174ADG	IC D-TYPE POS TRG SNGL 16SOIC
IC3	1	Logic Inverter	Fairchild Semi	NC7SU04	IC INVERTER UNBUFFERED SOT23-5
USBMOD	1	USB Module	FTDI	UM232H	MOD USB HS FT232H EVAL
C2	1	Cap	Nichicon	UUQ1H010MCL1GB	CAP ALUM 1.0UF 50V 20% SMD
C7	1	Cap	Nichicon	UUQ1H010MCL1GB	CAP ALUM 1.0UF 50V 20% SMD