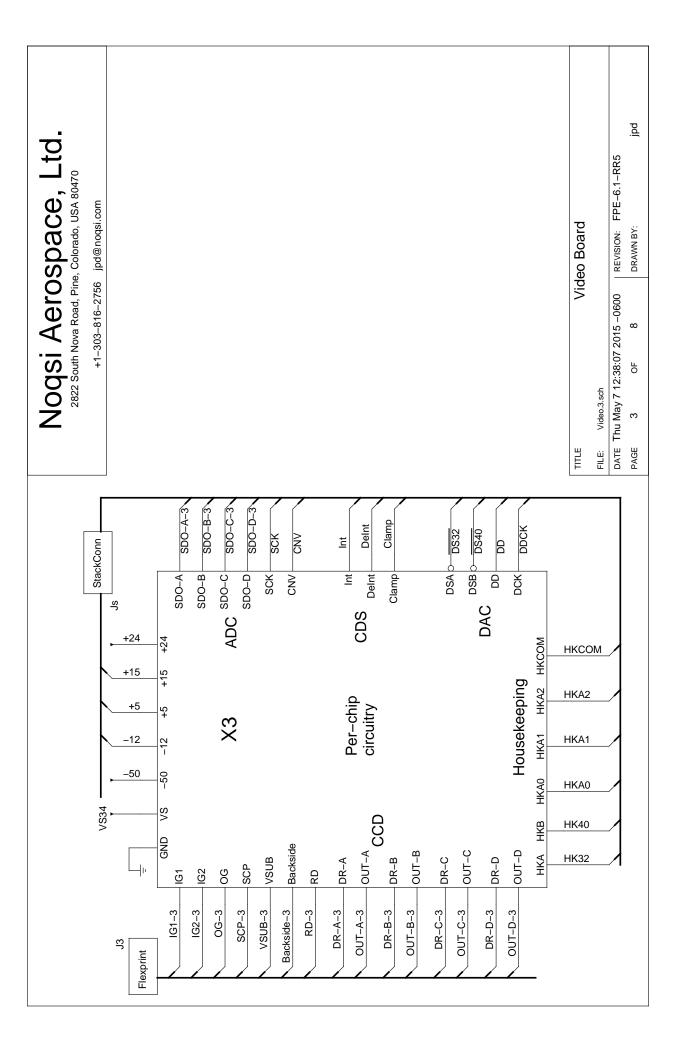
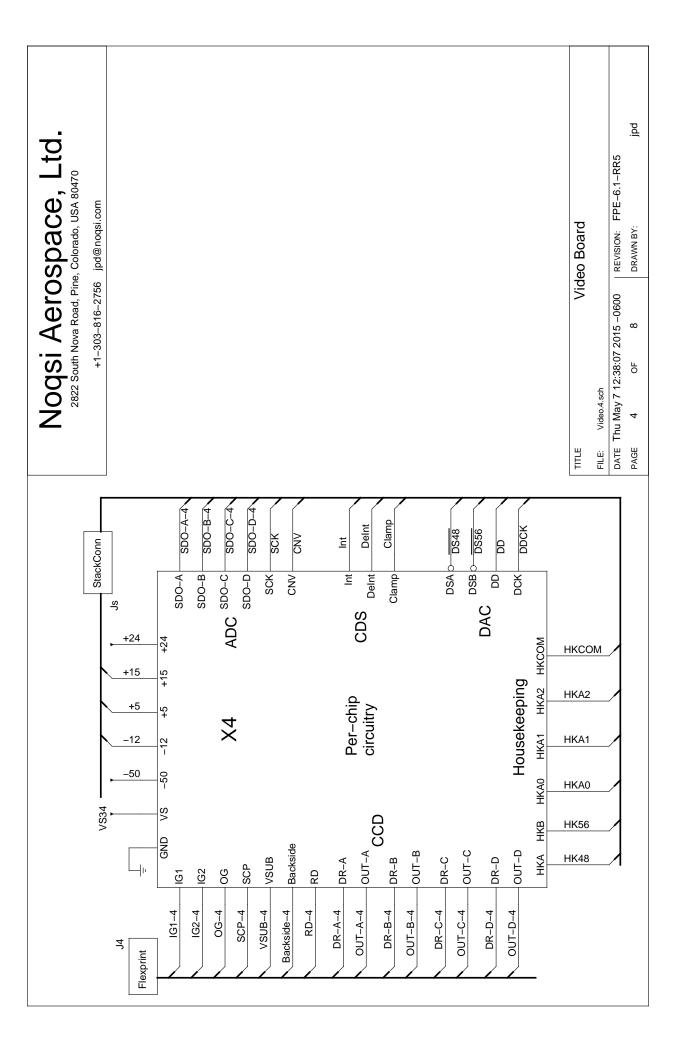
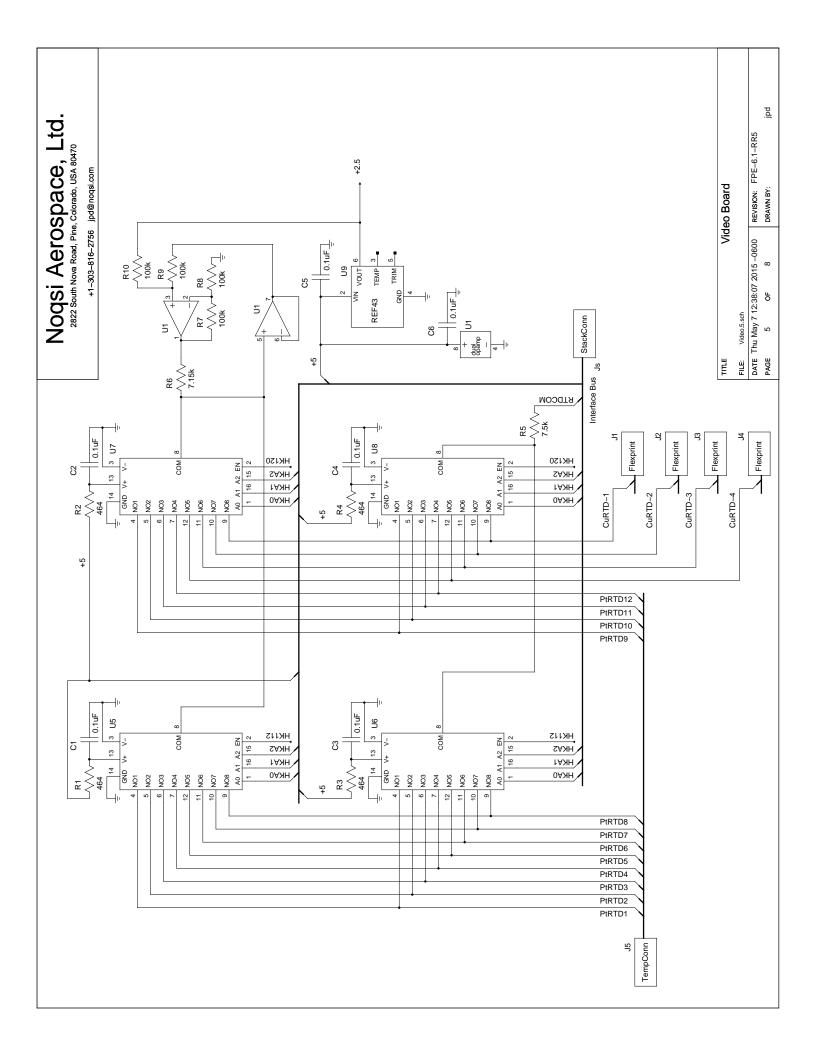
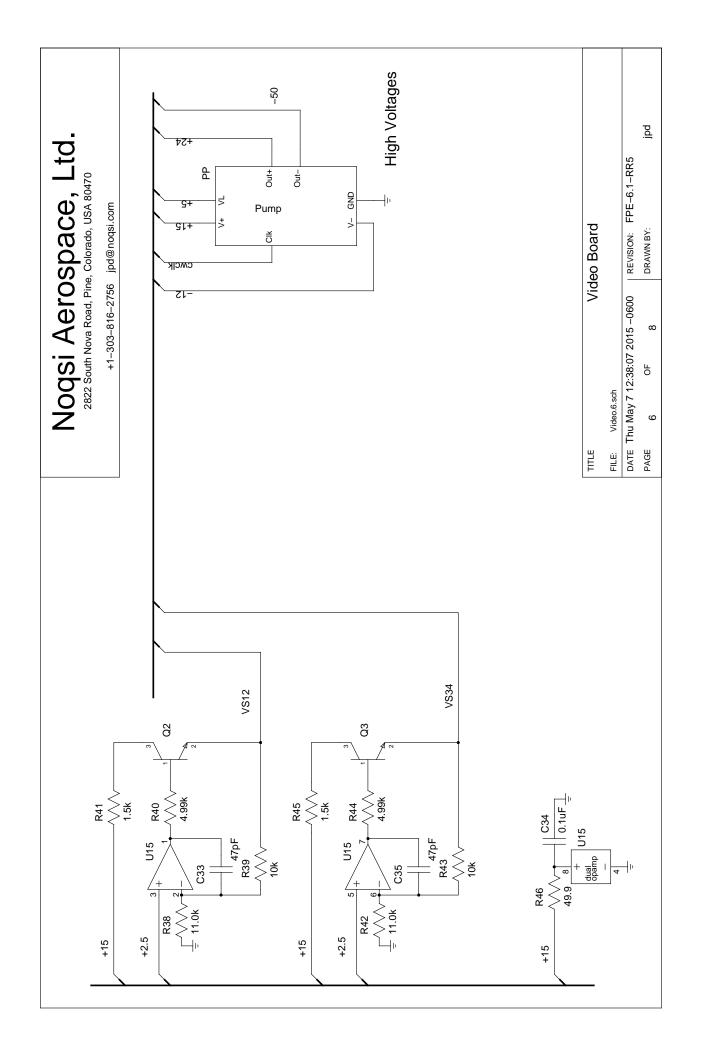


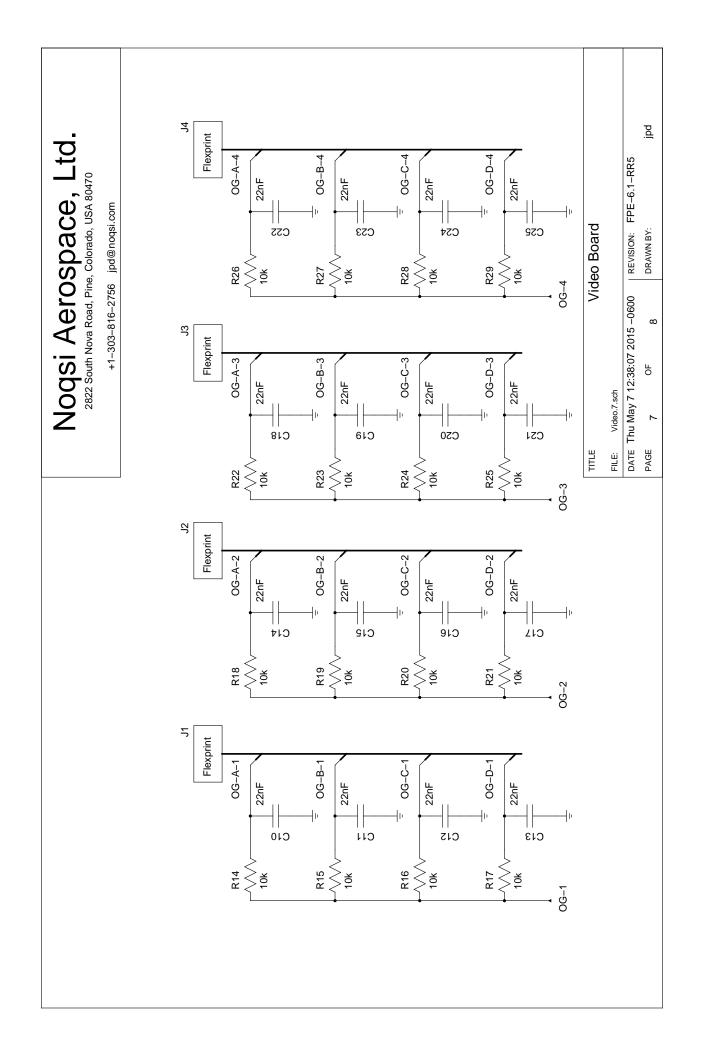
## bd Nodsi Aerospace, Ltd REVISION: FPE-6.1-RR5 2822 South Nova Road, Pine, Colorado, USA 80470 +1-303-816-2756 jpd@noqsi.com Video Board DRAWN BY: DATE Thu May 7 12:38:07 2015 -0600 FILE: Video.2.sch TITLE SDO-A-2 SDO-C-2 SDO-B-2 SDO-D-2 Clamp DeInt DDCK **DS16** CN/ Ħ StackConn 8 ADC SDO-C DSA DSB SDO-D t DeInt Clamp S SDO-A SDO-B SCK CNS 8 S DAC CDS +24 +24 HKA2 HKCOM HKCOM +15 Housekeeping HKA2 Per-chip circuitry +5 X HKA1 HKA1 -50 HKA0 HKA0 VS12 CCD HK24 HKA HKB GND Backside OUT-A OUT-B OUT-C OUT-D VSUB DR-B DR-C DR-D HK16 DR-A SCP 90 RD <u>6</u> DR-A-2 IG1-2 IG2-2 OG-2 SCP-2 VSUB-2 RD-2 Backside-2 OUT-A-2 DR-B-2 OUT-B-2 DR-C-2 OUT-C-2 DR-D-2 OUT-D-2 72 Flexprint

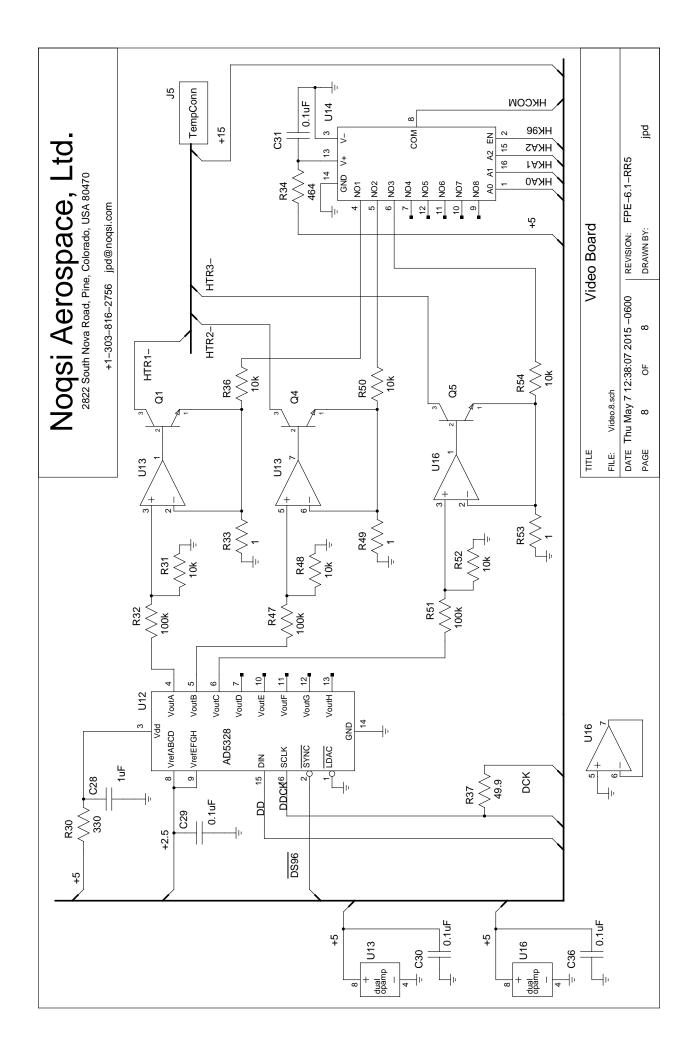












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refdes	device value	spec	footprint	descrip		
C30	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	cor
R54	RESISTOR	10k	1% 1/10W	0603	Resistor	
R53	RESISTOR	1	1% 1/10W	0603	Resistor	
Q5	LM195H unknown					
R51	RESISTOR	100k	1% 1/10W	0603	Resistor	
R52	RESISTOR	10k	1% 1/10W	0603	Resistor	
R50	RESISTOR	10k	1% 1/10W	0603	Resistor	
R49	RESISTOR	1	1% 1/10W	0603	Resistor	
Q4	LM195H unknown					
R47	RESISTOR	100k	1% 1/10W	0603	Resistor	
R48	RESISTOR	10k	1% 1/10W	0603	Resistor	
U16	DUAL_OPAMP	LT2078A		S08	unknown	
C36	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	cor
R36	RESISTOR	10k	1% 1/10W	0603	Resistor	
R33	RESISTOR	1	1% 1/10W	0603	Resistor	
Q1	LM195H unknown					
R32	RESISTOR	100k	1% 1/10W	0603	Resistor	
R31	RESISTOR	10k	1% 1/10W	0603	Resistor	
U13	DUAL_OPAMP	LT2078A		S08	unknown	
C28	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacit	cor
R30	RESISTOR	330	5% 0.15W	0805	Resistor	
R37	RESISTOR	49.9	1% 1/10W	0603	Resistor	
C31	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	cor
R34	RESISTOR	464	1% 1/10W	0603	Resistor	
U14	MAX308CSE+		unknown SO16	8 input	analog mux	
C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	cor
U12	AD5328 unknown		TSSOP16 Octal D	AC		
R17	RESISTOR	10k	1% 1/10W	0603	Resistor	
C13	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R16	RESISTOR	10k	1% 1/10W	0603	Resistor	
C12	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R15	RESISTOR	10k	1% 1/10W	0603	Resistor	
C11	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R14	RESISTOR	10k	1% 1/10W	0603	Resistor	
C10	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R21	RESISTOR	10k	1% 1/10W	0603	Resistor	
C17	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R20	RESISTOR	10k	1% 1/10W	0603	Resistor	
C16	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R19	RESISTOR	10k	1% 1/10W	0603	Resistor	
C15	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R18	RESISTOR	10k	1% 1/10W	0603	Resistor	
C14	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R25	RESISTOR	10k	1% 1/10W	0603	Resistor	
C21	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R24	RESISTOR	10k	1% 1/10W	0603	Resistor	
C20	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R23	RESISTOR	10k	1% 1/10W	0603	Resistor	
C19	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R22	RESISTOR	10k	1% 1/10W	0603	Resistor	
C18	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R29	RESISTOR	10k	1% 1/10W	0603	Resistor	
C25	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R28	RESISTOR	10k	1% 1/10W	0603	Resistor	
C24	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R27	RESISTOR	10k	1% 1/10W	0603	Resistor	
C23	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	cor
R26	RESISTOR	10k	1% 1/10W	0603	Resistor	

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C22	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacito	r
R46	RESISTOR	49.9	1% 1/10W	0603	Resistor	_
C35	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacito	r
C33	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacito	
R45	RESISTOR	1.5k	1% 1/4W 0603			_
R44	RESISTOR	4.99k	1% 1/10W	0603	Resistor	
Q3	NPN_TRANSISTOR				unknown	
R43	RESISTOR	10k	1% 1/10W	0603	Resistor	
R42	RESISTOR	11.0k	1% 1/10W	0603	Resistor	
C34	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacito	r
R41	RESISTOR	1.5k	1% 1/4W 0603	Resisto		
R40	RESISTOR	4.99k	1% 1/10W	0603	Resistor	
Q2	NPN_TRANSISTOR	MMBT222	2A unknown	UB	unknown	
R39	RESISTOR	10k	1% 1/10W	0603	Resistor	
R38	RESISTOR	11.0k	1% 1/10W	0603	Resistor	
U15	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope	rational
amplifi	ier, SO8				_	
	CAPACITOR	0.68uF	50WVDC X7R	1812	Ceramic capacito	r
PP/R13	RESISTOR	23.7	1% 1/10W	0603	Resistor	
PP/C13	CAPACITOR	22nF	100WVDC X7R	0805	Ceramic capacito	r
PP/R12	RESISTOR	200	1% 1/10W	0603	Resistor	
PP/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	r
PP/R11	RESISTOR	100	5% 1/4W 1206	Resisto	r	
PP/C10	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacito	r
PP/R3	RESISTOR	60.4k	1% 1/10W	0603 0603 0603	Resistor	
PP/R2	RESISTOR	30.1k	1% 1/10W	0603	Resistor	
PP/R1	RESISTOR	16.9	1% 1/10W	0603	Resistor	
PP/Q4	PMOS_TRANSISTOR		0N unknown	TO252AA	generic P channe	l MOS tr
	r (enhancement t					
PP/Q1	PNP_TRANSISTOR				unknown	
	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacito	
PP/C9	CAPACITOR	DNP	50WVDC X7R		Ceramic capacito	
· ·	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacito	
		22nF	50WVDC X7R	0603	Ceramic capacito	
		22nF	50WVDC X7R	0603	Ceramic capacito	r
PP/D8	DIODE 1N914UR		DO213AA Signal			
PP/D7	DIODE 1N914UR		DO213AA Signal			
PP/D6	DIODE 1N914UR		DO213AA Signal			
PP/D5	DIODE 1N914UR		DO213AA Signal			
PP/D4	DIODE 1N914UR		DO213AA Signal			
PP/C5	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacito	Ţ
PP/D3	DIODE 1N914UR CAPACITOR	N/A 22nF	DO213AA Signal : 50WVDC X7R	0603	Ceramic capacito	~
PP/C4 PP/D2	DIODE 1N914UR				ceramic capacito	L
PP/D2 PP/C3	CAPACITOR	N/A 22nF	DO213AA Signal : 50WVDC X7R	0603	Ceramic capacito	r
PP/C3 PP/R10	RESISTOR	20	1% 1/10W	0603	Resistor	<u> </u>
PP/RIU PP/C2	CAPACITOR	20 22nF	50WVDC X7R	0603	Ceramic capacito	r
PP/CZ PP/D1	DIODE 1N914UR		DO213AA Signal		ceramic capacito	<u> </u>
PP/DI PP/R9	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/R9 PP/Q6	PNP_TRANSISTOR				unknown	
PP/Q0 PP/R8	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/R5	NPN_TRANSISTOR				unknown	
PP/Q3 PP/R7	RESISTOR	100	5% 1/10W	0603	Resistor	
PP/R7 PP/C1	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	r
PP/U1		unknown		DT switc		<b>-</b>
PP/R6	RESISTOR	133k	1% 1/10W	0603	Resistor	
PP/R5	RESISTOR	26.7k	1% 1/10W 1% 1/10W	0603	Resistor	
PP/R3 PP/R4	RESISTOR	16.9	1% 1/10W 1% 1/10W	0603	Resistor	
PP/Q3	NMOS_TRANSISTOR				generic N channe	1 MOS tr
/ 2 3			. ammowii	10232AA	JOHOLIO IN CHAIMIE	- 1100 CI

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	r (enhancement ty	me)			90 0
PP/Q2	NPN_TRANSISTOR	MMBT2222	2A unknov	wn UB	unknown
U1 ~	DUAL_OPAMP	LT2078A		S08	unknown
C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
U9	REFERENCE	REF43GS		2.5V Re	ference
R10	RESISTOR	100k	1% 1/10W	0603	Resistor
R9	RESISTOR	100k	1% 1/10W	0603	Resistor
R8	RESISTOR	100k	1% 1/10W	0603	Resistor
R7	RESISTOR	100k	1% 1/10W	0603	Resistor
R6	RESISTOR	7.15k	1% 1/10W	0603	Resistor
R5	RESISTOR	7.5k	1% 1/10W	0603	Resistor
C4 C3	CAPACITOR	0.1uF	16WVDC X7R	0603 0603	Ceramic capacitor
R4	CAPACITOR RESISTOR	0.1uF 464	16WVDC X7R 1% 1/10W	0603	Ceramic capacitor Resistor
R3	RESISTOR	464	1% 1/10W 1% 1/10W	0603	Resistor
C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
R2	RESISTOR	464	1% 1/10W	0603	Resistor
J5	TempConn	MDM31P	unknown MDM31		
U8	MAX308CSE+		unknown S016		analog mux
บ7	MAX308CSE+		unknown S016		analog mux
U6	MAX308CSE+	unknown	unknown S016		analog mux
U5	MAX308CSE+	unknown	unknown S016	8 input	analog mux
R1	RESISTOR	464	1% 1/10W	0603	Resistor
C1	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
J4	Flexprint	unknown	unknown NK-2M2	2-051	Airborne 51 pin connecto
r		_			
X4/C39	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X4/R51	RESISTOR	330	5% 0.15W	0805	Resistor
X4/R53	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/R52 X4/C38	RESISTOR CAPACITOR	3.74k 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacitor
X4/C36 X4/C37	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U10	MAX308CSE+		unknown S016		analog mux
X4/C36	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U9			TSSOP16 Octal		ociamic odiracioni
X4/C35	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X4/R48	RESISTOR	330	5% 0.15W	0805	Resistor
X4/R50	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/R49	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/C34	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
X4/C33	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U8	MAX308CSE+		unknown S016	_	analog mux
X4/C32	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U7			TSSOP16 Octal		G
X4/C31	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X4/L4	EXC-3BB102H	unknown 22nF	unknown 0603	EMI chi	
X4/C30 X4/L3	CAPACITOR EXC-3BB102H		50WVDC X7R unknown 0603	0603 EMI chi	Ceramic capacitor
	CAPACITOR	22nF	50WVDC X7R	0603	P Ceramic capacitor
	EXC-3BB102H		unknown 0603	EMI chi	
X4/L1	EXC-3BB102H		unknown 0603	EMI chi	
X4/C28	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/X6/R3			301k 1%	0603	Resistor
X4/X6/R3			301k 1%	0603	Resistor
X4/X6/U3	1 DUAL_OP	AMP	LT2078AIS8	N/A	SO8 unknown
X4/X6/R3			1.00Meg 1%	0603	Resistor
X4/X6/R8			100k 1%	0603	Resistor
X4/X6/R9	9 RESISTO	₹	300k 1%	0603	Resistor

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X4/X6/R10	RESISTO	R	100k	1%	0603	Resisto	
X4/X6/R11	RESISTO		301k	1%	0603	Resisto	
X4/X6/C4	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r x4/x0/C4	CAPACII	OK	330PF	SOWVDC	A/K	0003	Ceramic Capacito
X4/X6/R12	RESISTO	R	470	1% 1/10	λM	0603	Resistor
X4/X6/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	CALACII	OIC	17111	JOWVDC	22 / 10	0005	ceramic capacito
x4/x6/C3	CAPACIT	OR	22nF	50WVDC	x7p	0603	Ceramic capacito
r	C711 71C 1 1	Oit	22111	SOWVEC	22 / 10	0005	ceramic capacito
X4/X6/R6	RESISTO	R	49.9	1% 1/10	λM	0603	Resistor
X4/X6/R7	RESISTO		1.00Meg		0603	Resisto	
X4/X6/R1	RESISTO		100k	1%	0603	Resisto	
X4/X6/R2	RESISTO		300k	1%	0603	Resisto	
X4/X6/R3	RESISTO		100k	1%	0603	Resisto	
X4/X6/R4	RESISTO		301k	1%	0603	Resisto	
X4/X6/C1	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r	CAFACII	OK	330PF	JOWVDC	X/IC	0003	ceramic capacito
X4/X6/R5	RESISTO	R	470	1% 1/10	λM	0603	Resistor
X4/X6/C2	CAPACIT		470 47nF	50WVDC		0805	Ceramic capacito
x4/x6/C2 r	CAPACII	OIC	T / 11L	J O W V DC	2\ / 1\	0000	Ceramic Capacito
X4/X5/R14	RESISTO	R	301k	1%	0603	Resisto	r
X4/X5/R15	RESISTO		301k	1%	0603	Resisto:	
X4/X5/U1	DUAL OP		LT2078A		N/A	SO8	unknown
X4/X5/01 X4/X5/R13	RESISTO		1.00Meg		0603	Resisto:	
X4/X5/R13 X4/X5/R8	RESISTO		1.00Meg 100k	1% 1%	0603	Resisto:	
X4/X5/R6 X4/X5/R9	RESISTO		300k	1%	0603	Resisto:	
X4/X5/R9 X4/X5/R10	RESISTO		100k	1%	0603	Resisto:	
X4/X5/R10 X4/X5/R11	RESISTO		301k	1%	0603	Resisto:	
X4/X5/R11 X4/X5/C4	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r	CAPACII	OK	330PF	SOWVDC	A/K	0003	Ceramic Capacito
X4/X5/R12	RESISTO	R	470	1% 1/10	ЭW	0603	Resistor
X4/X5/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	CHILITOTI	OIC	1 / 111	SOWVEC	21 / 10	0003	ceramic capacito
X4/X5/C3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
r							
X4/X5/R6	RESISTO	R	49.9	1% 1/10	W	0603	Resistor
X4/X5/R7	RESISTO	R	1.00Meg	1%	0603	Resisto:	r
X4/X5/R1	RESISTO	R	100k	1%	0603	Resisto:	r
X4/X5/R2	RESISTO	R	300k	1%	0603	Resisto:	
X4/X5/R3	RESISTO	R	100k	1%	0603	Resisto:	
X4/X5/R4	RESISTO		301k	1%	0603	Resisto:	
X4/X5/C1	CAPACIT	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
r	DD0	<b>-</b>	450	10 1		0600	
X4/X5/R5	RESISTO		470	1% 1/10		0603	Resistor
X4/X5/C2	CAPACIT	OK	47nF	50WVDC	X/R	0805	Ceramic capacito
Y//D62 DECICEO	D	40.0	1% 1/10	aT.	0602	Postat -	<b>1</b> /
X4/R62 RESISTO		49.9	•		0603	Resisto:	T
X4/R57 RESISTO		301k	1% 1%	0603	Resisto		
X4/R54 RESISTO		0 3.01Meg		0603 0603	Resisto Resisto		
X4/R47 RESISTO		_	1% 1%	0603	Resisto		
X4/R46 RESISTO X4/C27 CAPACIT		37.4k 22nF	100WVDC		0805		aanaai + or
X4/C27 CAPACIT X4/R45 RESISTO		22nF 40.2k	100WVDC	0603	Resisto		capacitor
X4/R45 RESISION X4/C26 CAPACIT		33nF	25WVDC 2		0603		capacitor
X4/C26 CAPACII X4/R44 RESISTO		604k	25WVDC 2	0603	Resisto		Capacitor
X4/R44 RESISTO		10k	1% 1%	0603	Resisto		
X4/C25 CAPACIT		22nF	100WVDC		0805		capacitor
X4/C25 CAPACIT X4/R42 RESISTO		2211F 10k	100WVDC	0603	Resisto		Capacitor
	K NSISTOR		unknown		unknown		
A4/Q2 PNP_IRA	TADIBIOK	FMDIAJA	diiViiOMII	טט	UIIVIIOWII		

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X4/R41	RESISTOR	200k 1%	0603	Resistor	<u> </u>
X4/R40	RESISTOR	10k 1%		Resistor	r
X4/Q1	PNP_TRANSISTOR	PMBTA92 un	known UB	unknown	
	CAPACITOR	0.1uF 25	WVDC X7R	0603	Ceramic capacitor
X4/R39	RESISTOR	133k 1%	0603	Resisto	r
X4/U4	DUAL_OPAMP	LM6142AIM	N/A	S08	generic dual operational
amplif	ier, SO8				
X4/R38	RESISTOR	604k 1%	0603	Resistor	r
X4/R37	RESISTOR	392k 1%		Resisto	<u>r</u>
X4/R36	RESISTOR	200k 1%	0603	Resisto	r.
X4/C23	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/R35	RESISTOR		1/10W	0603	Resistor
X4/C22	CAPACITOR		WVDC X7R	1206	Ceramic capacitor
X4/U3	DUAL_OPAMP	LT2078AIS8		S08	unknown
X4/C21	CAPACITOR		WVDC X7R	1206	Ceramic capacitor
X4/C20	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/R34	RESISTOR	44.2k 1%		Resistor	
X4/R33	RESISTOR	604k 1%		Resistor	
X4/R32	RESISTOR	56.2k 1%		Resistor	
X4/R31	RESISTOR	200k 1%		Resistor	
X4/C19	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/R30	RESISTOR		1/10W	0603	Resistor
X4/R29	RESISTOR	44.2k 1%		Resistor	
X4/R28	RESISTOR	604k 1%		Resistor	
X4/R27	RESISTOR	56.2k 1%		Resistor	
X4/R26	RESISTOR	200k 1%		Resistor	
X4/C18	CAPACITOR		WVDC X7R	0603 0603	Ceramic capacitor Resistor
X4/R25 X4/C17	RESISTOR CAPACITOR		1/10W WVDC X7R	1206	Ceramic capacitor
X4/U1/	DUAL_OPAMP	LT2078AIS8		SO8	unknown
X4/C15	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/C16	CAPACITOR	0.047uF 50		0603	Ceramic capacitor
X4/R24	RESISTOR	54.9k 1%		Resistor	
X4/R23	RESISTOR	82.5k 1%		Resistor	
X4/R22	RESISTOR	604k 1%		Resistor	
X4/R21	RESISTOR	953k 1%		Resistor	
X4/R20	RESISTOR	200k 1%		Resisto	r
X4/C14	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/R19	RESISTOR	470 1%	1/10W	0603	Resistor
X4/C13	CAPACITOR		WVDC X7R	1206	Ceramic capacitor
X4/R18	RESISTOR	54.9k 1%		Resisto	
X4/R17	RESISTOR	82.5k 1%		Resistor	
X4/R16	RESISTOR	604k 1%		Resisto	
X4/R15	RESISTOR	953k 1%		Resisto	
X4/R14	RESISTOR	200k 1%		Resistor	
X4/C12	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/R13	RESISTOR		1/10W	0603	Resistor
X4/C11	CAPACITOR		WVDC X7R	1206	Ceramic capacitor
X4/R60	RESISTOR		1/10W	0603	Resistor
X4/R61	RESISTOR		1/10W	0603	Resistor
X4/C40	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/U11	DUAL_OPAMP	LM6142AIM	N/A	S08	generic dual operational
	ier, SO8	T TT 2 0 7 0 7 T C 0	<b>7.</b> 7.	GO 9	unlengun
X4/U1	DUAL_OPAMP	LT2078AIS8		SO8	unknown
X4/R12	RESISTOR		1/10W	0603	Resistor
X4/C10	CAPACITOR		WVDC X7R	0603	Ceramic capacitor
X4/C9	CAPACITOR		WVDC X7R WVDC X7R	0603	Ceramic capacitor
X4/C8 X4/R11	CAPACITOR RESISTOR	0.1uF 25 54.9k 1%		0603 Resistor	Ceramic capacitor
	May 07 0045	7-1.717 TQ	0003	TCDIBLUI	05/00

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X4/R10	RESISTO	 R	82.5k	1%	0603	Resisto	 r	
X4/R9	RESISTO		604k	1%	0603	Resisto		
X4/R8	RESISTO		953k	1%	0603	Resisto		
X4/R7	RESISTO		200k	1%	0603	Resisto		
X4/C7	CAPACIT		3.3nF	50WVDC		0603		capacitor
X4/R6	RESISTO		470	1% 1/10		0603	Resisto	
X4/C6	CAPACIT		0.22uF	25WVDC		1206		capacitor
X4/U5	DUAL OP		LM6142A		N/A	S08		dual operational
	ier, SO8						50110110	Guara of Grand Grand
X4/R5	RESISTO	3	4.75k	1% 1/10	V	0603	Resisto	r
X4/C3	CAPACITO		620pF	10WVDC		0805		capacitor
X4/R4	RESISTO		14.7k	1% 1/10		0603	Resisto	
X4/R3	RESISTO		1	1% 1/10		0603	Resisto	
X4/C2	CAPACITO		1uF	10WVDC		0805		capacitor
X4/C5	CAPACITO		1uF	10WVDC		0805		capacitor
X4/R2	RESISTO	R	4.99	1% 1/10	N	0603	Resisto	
X4/C4	CAPACITO		1uF	10WVDC		0805		capacitor
X4/R1	RESISTO		49.9	1% 1/10		0603	Resisto	
X4/U6	REFEREN			N/A	S08	2.5V Re		
X4/R59	RESISTO		49.9	1% 1/10		0603	Resisto	r
X4/X4/R2	27	RESISTO	3	44.2k	1% 1/10	W	0603	Resistor
X4/X4/C3		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r								-
X4/X4/C2	24	CAPACITO	OR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R2	28	RESISTO	3	3.01k	1% 1/10	W	0603	Resistor
X4/X4/R6		RESISTO		1	1% 1/10		0603	Resistor
X4/X4/C2		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r X4/X4/C3			ED_CAPACI		47uF	15WVDC	2711	Tantalum capacit
or								
X4/X4/R3	39	RESISTO		15.0k	1% 1/10		0603	Resistor
X4/X4/R4	40	RESISTO	2	3.01k	1% 1/10		0603	Resistor
x4/x4/c2 r	28	CAPACITO	OR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
x4/x4/C2	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	33	RESISTO	3	330	1% 1/10	M	0603	Resistor
X4/X4/R2		RESISTO		1	1/4W	1206	Resisto	r
X4/X4/C2	23	CAPACITO		0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								
X4/X4/R2		RESISTO		1.05k	1% 1/10		0603	Resistor
X4/X4/C	10	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X4/X4/U		DUAL_OPA	AMP	LM6142A	IM	N/A	S08	generic dual ope
	l amplif:							
x4/x4/C1	14	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	18	RESISTO	3	5.11	1% 1/10	M	0603	Resistor
X4/X4/C		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r								-
X4/X4/R3	17	RESISTO	3	5.11	1% 1/10	M	0603	Resistor
X4/X4/C		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r								-
X4/X4/R3	16	RESISTO	?	5.11	1% 1/10	W	0603	Resistor
X4/X4/C	5	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								-
X4/X4/R		RESISTO		5.11	1% 1/10		0603	Resistor
X4/X4/C9	9	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
00/00								

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r					
X4/X4/R21	RESISTOR	330	1% 1/10W	0603 Resistor	
X4/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r					-
X4/X4/R22	RESISTOR	330	1% 1/10W	0603 Resistor	
X4/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r					_
X4/X4/R23	RESISTOR	330	1% 1/10W	0603 Resistor	
X4/X4/R42	RESISTOR	4.32k	1% 1/10W	0603 Resistor	
X4/X4/R1	RESISTOR	4.32k	1% 1/10W	0603 Resistor	
X4/X4/Q2	MMBFJ309		unknown SOT23	n-channel jfet	
X4/X4/C22	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r					
X4/X4/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor	
X4/X4/R41	RESISTOR	301k	1% 0603	Resistor	
X4/X4/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp 0603 Resistor	
X4/X4/R24	RESISTOR	20 1uF	1% 1/10W 10WVDC X7R	0805 Resistor	~~~~~ <del>i</del> + ~
X4/X4/C16 r	CAPACITOR	lur	TOWADC X/K	0605 Ceramic	Capacito
X4/X4/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic	canacito
r	CAPACITOR	30pr	Jo NFO VICIEOUS	0303 CETAMITE	capacito
X4/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r	01111011011	0.141	1011120 11710	out design	Capacico
X4/X4/R11	RESISTOR	2.00k	1% 0603	Resistor	
X4/X4/U12	MAX4594DCKR		unknown SC70	SPST analog swite	ch
X4/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	
r					-
X4/X4/R38	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog swite	
X4/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r			1		
X4/X4/U3	MAX4594DCKR		unknown SC70	SPST analog swite	ch
X4/X4/R25	RESISTOR	1.00Meg		Resistor	
X4/X4/R19	RESISTOR	62	5% 0.15W	0805 Resistor	
X4/X4/R15	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
X4/X4/R4	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic	capacito
r	0.11.110.1.1011		3311120 000	JJJJ CCIAMILC	capacico
X4/X4/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic	capacito
r		_			
X4/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor	
X4/X4/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor	
X4/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic	capacito
r		_			_
X4/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic	capacito
r		0 000			
X4/X4/R10	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/R12	RESISTOR	3.00k	1% 0603	Resistor	1.
X4/X4/U7	MAX4594DCKR		unknown SC70	SPST analog swite	
X4/X4/C4	CAPACITOR	100pF	5% NPO Vitreous	0505 Ceramic	capacito
r   X4/X4/R2	RESISTOR	2.00k	1% 0603	Resistor	
X4/X4/R2 X4/X4/R9	RESISTOR	2.00k 3.00k	1% 0603	Resistor	
Thursday May 07, 00		J.00K	± 0 0003	I/CDIDCOT	

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X4/X4/R8	RESISTOR	0	1% 0603	Resisto	r
X4/X4/C1	CAPACITOR	220pF	50WVDC 0805		capacitor
X4/X3/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X4/X3/C3 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X4/X3/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r X4/X3/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X4/X3/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X4/X3/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
X4/X3/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X4/X3/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X4/X3/C28	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r x4/x3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/R20	RESISTOR	1	1/4W 1206	Resisto:	
X4/X3/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X4/X3/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
x4/x3/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
Y / / Y 2 / D E		E 11	10, 1/101.7	0602	Resistor
X4/X3/R5 X4/X3/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Ceramic capacito
r   X4/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C7	CAPACITOR	0.1uF	16 I/IOW 16WVDC X7R	0603	Ceramic capacito
r x4/x2/D22	DEGTOMOD	220	10, 1 /101.7	0602	Dogiator
X4/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X3/Q2	MMBFJ309		unknown SOT23	n-chann	
X4/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X3/R41	RESISTOR	301k	1% 0603	Resisto:	
X4/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	amp
X4/X3/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	
00/00					

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X4/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X4/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X4/X3/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r				
X4/X3/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
r				
X4/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X4/X3/R11	RESISTOR	2.00k	1% 0603	Resistor
X4/X3/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	0.141	100000 11710	ceramic eapacite
X4/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X4/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r		_		
X4/X3/U3	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X3/R25	RESISTOR	1.00Meg		Resistor
X4/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X4/X3/R15	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X4/X3/R4	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r	CHILICITOR	<b>1111</b>	JOWVDC COO	cciamic capacito
X4/X3/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r				
X4/X3/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X4/X3/U9	AD7984BRMZ		unknown MSOP10	ADC
X4/X3/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X4/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r X4/X3/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r		251	2311700 21710	ceramic capacito
X4/X3/R10	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/R12	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/U7	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X4/X3/C4	CAPACITOR	100pF	5% NPO Vitreous	0505 Ceramic capacito
r	D=G=G=OD	0 001	1.0	
X4/X3/R2	RESISTOR	2.00k	1% 0603	Resistor
X4/X3/R9	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/R8	RESISTOR	0	1% 0603	Resistor
X4/X3/C1	CAPACITOR	220pF 44.2k	50WVDC 0805 1% 1/10W	Ceramic capacitor 0603 Resistor
X4/X2/R27 X4/X2/C3	RESISTOR CAPACITOR	44.2K 4.7uF	10WVDC X7R	1812 Ceramic capacito
r x4/x2/C3	CAPACITOR	4. /ur	TOWADC V/K	1812 Ceramic Capacito
X4/X2/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
r				-
X4/X2/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X4/X2/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X4/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	DOI 10 TOTO	THOS	47-D 15	0711 m
X4/X2/C30	POLARIZED_CAPAC	T.I.OK	47uF 15WVDC	2711 Tantalum capacit
or   X4/X2/R39	RESISTOR	15.0k	1% 1/10W	0603 Resistor
X4/X2/R39 X4/X2/R40	RESISTOR	3.01k	1% 1/10W 1% 1/10W	0603 Resistor
X4/X2/R40 X4/X2/C28	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r x4/x2/C20	CHENCTION	T. / U.F	TOMADO VIV	1012 CETAMIC Capacito
X4/X2/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
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r					-
X4/X2/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R20	RESISTOR	1	1/4W 1206	Resisto	
X4/X2/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X4/X2/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X4/X2/C14   r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x4/x2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X2/Q2	MMBFJ309		unknown SOT23	n-channe	
X4/X2/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X2/R41	RESISTOR	301k	1% 0603	Resisto:	
X4/X2/U6 X4/X2/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast opa	
X4/X2/U5	ADA4805-IAKSZ		unknown SC70-6	Fast op	=
X4/X2/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X2/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X4/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X4/X2/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X4/X2/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X4/X2/U12	MAX4594DCKR		unknown SC70		alog switch
X4/X2/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X2/U11	MAX4594DCKR		unknown SC70		alog switch
X4/X2/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/U3	MAX4594DCKR		unknown SC70		alog switch
X4/X2/R25	RESISTOR	1.00Meg	1% 0603	Resisto	r

						, ,
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X4/X2/R19	RESISTOR	62	5% 0.15		0805	Resistor
X4/X2/R15	RESISTOR	3.00k	1%	0603	Resisto	
X4/X2/C12	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X4/X2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						
X4/X2/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r   X4/X2/R14	RESISTOR	46.4	1% 1/10	ЭW	0603	Resistor
X4/X2/U9	AD7984BRMZ			n MSOP10	ADC	11001001
X4/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X4/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r	CHILICITOR	DIVI	2311120	21,10	0003	ceramic capacites
X4/X2/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r		_				_
X4/X2/R10	RESISTOR	3.00k	1%	0603	Resisto:	
X4/X2/R12	RESISTOR	3.00k	1%	0603	Resisto:	r
X4/X2/U7	MAX4594DCKR	unknown				alog switch
X4/X2/C4	CAPACITOR	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r   X4/X2/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X4/X2/R9	RESISTOR	3.00k	1%	0603	Resisto	
X4/X2/R8	RESISTOR	0	1%	0603	Resisto	
X4/X2/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
	RESISTOR	44.2k	1% 1/1(		0603	Resistor
X4/X1/R27						
X4/X1/C3 r	CAPACITOR	4.7uF	10WVDC	X/R	1812	Ceramic capacito
X4/X1/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X4/X1/R28	RESISTOR	3.01k	1% 1/10	ЭW	0603	Resistor
X4/X1/R6	RESISTOR	1	1% 1/10		0603	Resistor
X4/X1/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r			4	4 =	0.711	
X4/X1/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X4/X1/R39	RESISTOR	15.0k	1% 1/10	DW	0603	Resistor
X4/X1/R40	RESISTOR	3.01k	1% 1/1(		0603	Resistor
X4/X1/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						_
X4/X1/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X1/R33	RESISTOR	330	1% 1/10	WC	0603	Resistor
X4/X1/R20	RESISTOR	1	1/4W	1206	Resisto	r
X4/X1/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r V4/V1/D26		1 051-	10 1/1/	) Tu	0602	Resistor
X4/X1/R26	RESISTOR	1.05k	1% 1/10		0603	
X4/X1/C10 r	CAPACITOR	0.1uF	16WVDC	AIK	0603	Ceramic capacito
x4/x1/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif						
X4/X1/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r	DEGLESS	F 11	10 1 / -	3.7.7	0.603	<b>.</b>
X4/X1/R18	RESISTOR	5.11	1% 1/10		0603	Resistor
X4/X1/C13	CAPACITOR	0.1uF	16WVDC	X7K	0603	Ceramic capacito
X4/X1/R17	RESISTOR	5.11	1% 1/10	ЭW	0603	Resistor
X4/X1/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r				- · - *		

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X4/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X1/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X1/Q2	MMBFJ309	unknown	unknown SOT23	n-chann	
X4/X1/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/R41	RESISTOR	301k	1% 0603	Resisto:	
X4/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/R24	RESISTOR	20_	1% 1/10W	0603	Resistor
X4/X1/C16   r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X4/X1/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X4/X1/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R11	RESISTOR	2.00k	1% 0603	Resisto:	r
X4/X1/U12	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X4/X1/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R38	RESISTOR	3.00k	1% 0603	Resisto:	r
X4/X1/U11	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X4/X1/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/U3	MAX4594DCKR		unknown SC70		alog switch
X4/X1/R25	RESISTOR	1.00Meg		Resisto:	
X4/X1/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X4/X1/R15	RESISTOR	3.00k	1% 0603	Resisto	
X4/X1/C12  r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R4	RESISTOR	3.00k	1% 0603	Resisto:	r
X4/X1/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X4/X1/C21 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X4/X1/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X1/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X4/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r					
X4/X1/C19 r	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
X4/X1/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X1/R12	RESISTOR	3.00k	1% 0603	Resisto	
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X4/X1/U7	7	MAX4594I	OCKB	unknown	unknown	SC70	SPST ana	alog switch
X4/X1/C4		CAPACITO		100pF		Vitreous		Ceramic capacito
X4/X1/R2	2	RESISTOR	{	2.00k	1%	0603	Resistor	2
X4/X1/R9		RESISTOR		3.00k	1%	0603	Resistor	
X4/X1/R8		RESISTOR		0	1%	0603	Resistor	
X4/X1/C1		CAPACITO		220pF	50WVDC	0805		capacitor
J3	Flexprin			unknown				e 51 pin connecto
r								
X3/C39	CAPACITO		1uF	10WVDC 2		0805		capacitor
	RESISTOR		330	5% 0.15V		0805	Resistor	
	RESISTOR		3.74k	1% 1/10V		0603	Resistor	
	RESISTOR		3.74k	1% 1/10V		0603	Resistor	
	CAPACITO		0.1uF	16WVDC 2		0603		capacitor
	CAPACITO		22nF	50WVDC 2		0603		capacitor
	MAX308CS			unknown			analog n	
· ·	CAPACITO AD5328		22nF	50WVDC X		0603	ceramic	capacitor
· ·	AD5328 CAPACITO	unknown	unknown 1uF	10WVDC X		0805	Coromic	aanaai tor
	RESISTOR		330	5% 0.15W		0805	Resistor	capacitor
	RESISTOR		3.74k	1% 1/10V		0603	Resistor	
	RESISTOR		3.74k	1% 1/10V		0603	Resistor	
	CAPACITO		0.1uF	16WVDC 2		0603		capacitor
X3/C33	CAPACITO		22nF	50WVDC 2		0603		capacitor
X3/U8	MAX308CS			unknown			analog m	
	CAPACITO		22nF	50WVDC 2		0603		capacitor
X3/U7	AD5328			TSSOP16				
	CAPACITO		0.1uF	25WVDC 2		0603	Ceramic	capacitor
X3/L4	EXC-3BB1	L02H		unknown	0603	EMI chi		-
	CAPACITO	OR	22nF	50WVDC 2	ζ7R	0603		capacitor
X3/L3	EXC-3BB1	L02H	unknown	unknown		EMI chi	p.	
	CAPACITO		22nF	50WVDC 2		0603		capacitor
	EXC-3BB1			unknown		EMI chi		
	EXC-3BB1			unknown		EMI chi	•	
X3/C28	CAPACITO		22nF	50WVDC 2		0603		capacitor
X3/X6/R1		RESISTOR		301k	1%	0603	Resistor	
X3/X6/R1		RESISTOR		301k	1%	0603	Resistor	
X3/X6/U1		DUAL_OPA		LT2078A1		N/A	SO8	unknown
X3/X6/R1 X3/X6/R8		RESISTOR RESISTOR		1.00Meg 100k	1% 1%	0603 0603	Resistor Resistor	
X3/X6/R9		RESISTOR		300k	1%	0603	Resistor	
X3/X6/R3		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R1		RESISTOR		301k	1%	0603	Resistor	
X3/X6/C4		CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r								
X3/X6/R1	_2	RESISTOR	3	470	1% 1/10	W	0603	Resistor
X3/X6/C5		CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r								-
X3/X6/C3	3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R6	5	RESISTOR	ર	49.9	1% 1/10	W	0603	Resistor
X3/X6/R7		RESISTOR		1.00Meg	1%	0603	Resistor	
X3/X6/R1		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R2		RESISTOR		300k	1%	0603	Resistor	
X3/X6/R3	3	RESISTOR	ર	100k	1%	0603	Resistor	
X3/X6/R4		RESISTOR		301k	1%	0603	Resistor	
x3/x6/C1	L	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R5	407-00	RESISTOR	3	470	1% 1/10	W	0603	Resistor

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X3/X6/C	2	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
r   X3/X5/R3   X3/X5/R3		RESISTOR RESISTOR		301k 301k	1% 1%	0603 0603	Resisto		
X3/X5/U	1	DUAL_OP	AMP	LT2078A	IS8	N/A	S08	unknown	
X3/X5/R3		RESISTO		1.00Meg		0603	Resistor		
X3/X5/R8 X3/X5/R9		RESISTOR RESISTOR		100k 300k	1% 1%	0603 0603	Resistor Resistor		
X3/X5/R3		RESISTO		100k	1%	0603	Resisto		
X3/X5/R		RESISTO		301k	1%	0603	Resisto		
X3/X5/C4	4	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R3		RESISTO		470	1% 1/10		0603	Resistor	
X3/X5/C!	5	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
X3/X5/C	3	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R6		RESISTO		49.9	1% 1/10		0603	Resistor	<u>-</u>
X3/X5/R		RESISTO		1.00Meg			Resisto		
X3/X5/R3 X3/X5/R3		RESISTOR RESISTOR		100k 300k	1% 1%	0603 0603	Resistor Resistor		
X3/X5/R2		RESISTOR		100k	1% 1%	0603	Resisto		
X3/X5/R4		RESISTO		301k	1%	0603	Resisto		
X3/X5/C		CAPACITO		330pF	50WVDC		0603		capacito
X3/X5/R!		RESISTOR		470	1% 1/10		0603	Resistor	
X3/X5/C2	2	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
	RESISTO		49.9	1% 1/10		0603	Resisto	r	
	RESISTO		301k	1%	0603	Resisto			
X3/R54	RESISTO		0 2 01Mag	1% 1%	0603 0603	Resisto Resisto			
X3/R47 X3/R46	RESISTOR RESISTOR		3.01Meg 37.4k	1%	0603	Resisto			
	CAPACIT		22nF	100WVDC		0805		capacito	or
X3/R45	RESISTO		40.2k	1%	0603	Resisto	r	_	
X3/C26	CAPACIT		33nF	25WVDC				capacito	or
X3/R44	RESISTO		604k	1%	0603	Resisto			
X3/R43 X3/C25	RESISTOR CAPACITO		10k 22nF	1% 100WVDC	0603 Y7P	Resisto 0805		capacito	7r
X3/R42	RESISTO		10k	18	0603	Resisto		сарастс	) <u>+</u>
X3/Q2	PNP_TRAI		PMBTA92			unknown			
X3/R41	RESISTO		200k	1%	0603	Resisto			
X3/R40	RESISTO		10k	1%	0603	Resisto			
X3/Q1 X3/C24	PNP_TRAI		PMBTA92 0.1uF	unknown 25WVDC		unknown 0603		aanaaita	2.70
X3/C24 X3/R39	CAPACITO RESISTO		133k	25WVDC . 1%	0603	Resisto		capacito	)r
X3/U4 DUAL_OPAMP amplifier, SO8		LM6142A		N/A	SO8		dual ope	erational	
amplii: X3/R38	ler, SO8 RESISTO	D	604k	1%	0603	Resisto	<b>~</b>		
X3/R37	RESISTO		392k	1%	0603	Resisto			
X3/R36	RESISTO		200k	1%	0603	Resisto			
X3/C23	CAPACIT	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacito	or
X3/R35	RESISTO		470	1% 1/10		0603	Resisto		
X3/C22	CAPACITO		0.22uF	25WVDC :		1206		capacito	or
X3/U3	DUAL_OP		LT2078A		N/A v7p	SO8	unknown		٦ <i>٣</i>
X3/C21 X3/C20	CAPACITO CAPACITO		0.22uF 0.1uF	25WVDC 1		1206 0603		capacito capacito	
X3/C20 X3/R34	RESISTO		44.2k	1%	0603	Resisto		Capacit	-
X3/R33	RESISTO		604k	1%	0603	Resisto			

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X3/R32	RESISTOR	56.2k	1% 0603	Resisto	
X3/R31	RESISTOR	200k	1% 0603	Resisto	
X3/C19	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R30	RESISTOR	470	1% 1/10W	0603	Resistor
X3/R29	RESISTOR	44.2k	1% 0603	Resisto	
X3/R28	RESISTOR	604k	1% 0603	Resisto	
X3/R27	RESISTOR	56.2k	1% 0603	Resisto	
X3/R26 X3/C18	RESISTOR CAPACITOR	200k 3.3nF	1% 0603 50WVDC X7R	Resisto 0603	r Ceramic capacitor
X3/C16 X3/R25	RESISTOR	3.311F	1% 1/10W	0603	Resistor
X3/R23 X3/C17	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/U2	DUAL_OPAMP	LT2078A		SO8	unknown
X3/C15	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C16	CAPACITOR		50WVDC X7R	0603	Ceramic capacitor
X3/R24	RESISTOR	54.9k	1% 0603	Resisto	
X3/R23	RESISTOR	82.5k	1% 0603	Resisto	
X3/R22	RESISTOR	604k	1% 0603	Resisto	
X3/R21	RESISTOR	953k	1% 0603	Resisto	
X3/R20	RESISTOR	200k	1% 0603	Resisto	
X3/C14	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R19	RESISTOR	470	1% 1/10W	0603	Resistor
	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/R18	RESISTOR	54.9k	1% 0603	Resisto	
X3/R17	RESISTOR	82.5k	1% 0603	Resisto	r
X3/R16	RESISTOR	604k	1% 0603	Resisto	r
X3/R15	RESISTOR	953k	1% 0603	Resisto	r
X3/R14	RESISTOR	200k	1% 0603	Resisto	
X3/C12	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R13	RESISTOR	470	1% 1/10W	0603	Resistor
X3/C11	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/R60	RESISTOR	49.9	1% 1/10W	0603	Resistor
X3/R61	RESISTOR	49.9	1% 1/10W	0603	Resistor
X3/C40	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/U11	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual operational
	ier, SO8	T III O O O O O	T C O NT / 7	g00	
X3/U1	DUAL_OPAMP	LT2078A		SO8	unknown
X3/R12	RESISTOR	24.9k	1% 1/10W	0603 0603	Resistor
X3/C10 X3/C9	CAPACITOR CAPACITOR	0.1uF 0.1uF	25WVDC X7R 25WVDC X7R	0603	Ceramic capacitor Ceramic capacitor
X3/C9 X3/C8	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C0 X3/R11	RESISTOR	54.9k	1% 0603	Resisto	
X3/R11	RESISTOR	82.5k	1% 0603	Resisto	
X3/R10	RESISTOR	604k	1% 0603	Resisto	
X3/R8	RESISTOR	953k	1% 0603	Resisto	
X3/R7	RESISTOR	200k	1% 0603	Resisto	
X3/C7	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R6	RESISTOR	470	1% 1/10W	0603	Resistor
X3/C6	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/U5	DUAL_OPAMP	LM6142A		S08	generic dual operational
	ier, SO8	4 75	10. 1 /107.7	0603	Darietan
X3/R5	RESISTOR	4.75k	1% 1/10W	0603	Resistor
X3/C3	CAPACITOR	620pF	10WVDC X7R	0805	Ceramic capacitor
X3/R4	RESISTOR	14.7k	1% 1/10W	0603	Resistor
X3/R3	RESISTOR	1	1% 1/10W	0603	Resistor
X3/C2	CAPACITOR	luF	10WVDC X7R	0805	Ceramic capacitor
X3/C5	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X3/R2	RESISTOR	4.99	1% 1/10W	0603	Resistor
X3/C4	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X3/R1	RESISTOR	49.9	1% 1/10W	0603	Resistor

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X3/U6 REFEREN	CE REF43GS	N/A	S08	2.5V Re	ference	
X3/R59 RESISTO		1% 1/10		0603	Resisto	r
X3/X4/R27	RESISTOR	44.2k		DW	0603	Resistor
X3/X4/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
X3/X4/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R28	RESISTOR	3.01k	1% 1/10		0603	Resistor
X3/X4/R6	RESISTOR	1	1% 1/10		0603	Resistor
X3/X4/C29 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X3/X4/R39	RESISTOR	15.0k	1% 1/10	DW	0603	Resistor
X3/X4/R40	RESISTOR	3.01k	1% 1/10	W	0603	Resistor
X3/X4/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
X3/X4/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R33	RESISTOR	330	1% 1/10		0603	Resistor
X3/X4/R20	RESISTOR	1	1/4W	1206	Resisto:	
X3/X4/C23 r	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X3/X4/C10 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/U10 rational amplif	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
X3/X4/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R18	RESISTOR	5.11	1% 1/10	ЭW	0603	Resistor
X3/X4/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r   X3/X4/R17	RESISTOR	5.11	1% 1/10	ΟW	0603	Resistor
X3/X4/C11	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/R16	RESISTOR	5.11	1% 1/10	υ	0603	Resistor
X3/X4/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r v2/v4/p5	DECICAVO	5.11	19 1/1/	) TuT	0603	Resistor
X3/X4/R5 X3/X4/C9	RESISTOR CAPACITOR	0.1uF	1% 1/10 16WVDC		0603	Ceramic capacito
r   X3/X4/R21	RESISTOR	330	1% 1/10	) W	0603	Resistor
X3/X4/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R22	RESISTOR	330	1% 1/10	λM	0603	Resistor
X3/X4/C7	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r v2/v4/p22		220	10 1/1/	) TuT	0602	Dogiator
X3/X4/R23	RESISTOR	330	1% 1/10		0603	Resistor
X3/X4/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X3/X4/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X3/X4/Q2 X3/X4/C22	MMBFJ309 CAPACITOR	unknown 0.1uF	unknowr 16WVDC		n-channe	el jiet Ceramic capacito
r		0.141				
X3/X4/R13	RESISTOR	46.4	1% 1/10		0603	Resistor
X3/X4/R41	RESISTOR	301k	1%	0603	Resisto	
X3/X4/U6	ADA4805-1AKSZ	unknown	unknowr	n SC70-6	Fast opa	
X3/X4/U8	ADA4805-1AKSZ			n SC70-6	Fast opa	
X3/X4/U5	ADA4805-1AKSZ	unknown	unknowr	n SC70-6	Fast opa	
00/00						

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x3/x4/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X3/X4/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X3/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r				
X3/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X3/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r x2/x4/D11	DEGE GEOD	0 001-	1.0 0.002	Danis at an
X3/X4/R11	RESISTOR	2.00k	1% 0603	Resistor
X3/X4/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r   X3/X4/R38	RESISTOR	3.00k	1% 0603	Resistor
X3/X4/K36 X3/X4/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x3/x4/c0 r	CAPACITOR	U.lur	10WVDC X/R	0003 Ceramic Capacito
x3/x4/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X3/X4/R25	RESISTOR	1.00Meg		Resistor
X3/X4/R23 X3/X4/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X3/X4/R15	RESISTOR	3.00k	1% 0603	Resistor
X3/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	0.141	1000000 11/10	ceramic capacito
x3/x4/R4	RESISTOR	3.00k	1% 0603	Resistor
X3/X4/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r				7.7.7.
X3/X4/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X3/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X3/X4/U9	AD7984BRMZ		unknown MSOP10	ADC
X3/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X3/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r	011111011011	2111	2311120 11710	cous ceramic capacito
X3/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r	DEGESTOR	2 001	1.0	B 1 1
X3/X4/R10	RESISTOR	3.00k	1% 0603	Resistor
X3/X4/R12	RESISTOR	3.00k	1% 0603	Resistor
X3/X4/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X4/C4	CAPACITOR	100pF	5% NPO Vitreous	0505 Ceramic capacito
r v2/v4/p2	DECICHOD	2.00k	1% 0603	Resistor
X3/X4/R2 X3/X4/R9	RESISTOR RESISTOR	2.00k 3.00k	1% 0603	Resistor
	RESISTOR	0	1% 0603	Resistor
X3/X4/R8 X3/X4/C1	CAPACITOR	0 220pF	50WVDC 0805	Ceramic capacitor
X3/X4/C1 X3/X3/R27	RESISTOR	220pr 44.2k	1% 1/10W	0603 Resistor
X3/X3/K2/ X3/X3/C3	CAPACITOR	44.2k 4.7uF	16 1/10W 10WVDC X7R	1812 Ceramic capacito
x3/x3/C3	CALACTION	T./UF	TOMADO VIV	1012 CETAMIC CAPACITO
X3/X3/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
X3/X3/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X3/X3/R28 X3/X3/R6	RESISTOR RESISTOR	3.01K	1% 1/10W 1% 1/10W	0603 Resistor
X3/X3/R0 X3/X3/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAFACTION	J. Tur	TOWADC VIV	ceramic capacito
X3/X3/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Tantalum capacit
or	- 0		-, WI TOWARD	
X3/X3/R39	RESISTOR	15.0k	1% 1/10W	0603 Resistor
X3/X3/R40	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X3/X3/C28	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r				
X3/X3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito

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r					
X3/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/R20	RESISTOR	1	1/4W 1206	Resisto	
X3/X3/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X3/X3/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X3/X3/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X3/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r  X3/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/C7 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X3/Q2	MMBFJ309		unknown SOT23	n-channe	
X3/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X3/R41	RESISTOR	301k	1% 0603	Resisto	r
X3/X3/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X3/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X3/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X3/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X3/X3/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X3/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X3/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X3/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X3/X3/U12	MAX4594DCKR		unknown SC70		alog switch
X3/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X3/U11	MAX4594DCKR		unknown SC70		alog switch
X3/X3/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X3/R25	RESISTOR	1.00Meg		Resisto	
00/00					

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X3/X3/R19	RESISTOR	62	5% 0.15		0805	Resistor
X3/X3/R15	RESISTOR	3.00k	1%	0603	Resisto	
X3/X3/C12 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X3/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X3/X3/C20	CAPACITOR	1nF	50WVDC	C0G	0603	Ceramic capacito
r		_				
X3/X3/C21 r	CAPACITOR	1nF	50WVDC	CUG	0603	Ceramic capacito
X3/X3/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X3/X3/U9	AD7984BRMZ	unknown	unknowr	n MSOP10	ADC	
X3/X3/R7	RESISTOR	DNP	1% 1/10	W	0603	Resistor
X3/X3/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r w2/w2/g10	GA DA GEMOD	0 5	0511170	17.F.D.	0.602	
X3/X3/C19 r	CAPACITOR	2pF	25WVDC	X/R	0603	Ceramic capacito
X3/X3/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X3/X3/R12	RESISTOR	3.00k	1%	0603	Resisto:	r
X3/X3/U7	MAX4594DCKR	unknown	unknowr	n SC70	SPST and	alog switch
X3/X3/C4	CAPACITOR	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r   X3/X3/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X3/X3/R9	RESISTOR	3.00k	1%	0603	Resisto	
X3/X3/R8	RESISTOR	0	1%	0603	Resisto	
X3/X3/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X3/X3/C1 X3/X2/R27	RESISTOR	44.2k	1% 1/1(		0603	Resistor
X3/X2/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r x5/ x2/ C5	CAPACITOR	4. /ur	TOWVDC	2710	1012	ceramic capacito
x3/x2/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X3/X2/R28	RESISTOR	3.01k	1% 1/10	) W	0603	Resistor
X3/X2/R6	RESISTOR	1	1% 1/10		0603	Resistor
X3/X2/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
x3/X2/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or  X3/X2/R39	RESISTOR	15.0k	1% 1/10	זעז	0603	Resistor
X3/X2/R39 X3/X2/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X3/X2/R40 X3/X2/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r	CAPACITOR	4. /ur	TOWADC	A/K	1012	Ceramic Capacito
X3/X2/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X2/R33	RESISTOR	330	1% 1/10	) W	0603	Resistor
X3/X2/R20	RESISTOR	1	1/4W	1206	Resisto	r
X3/X2/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X3/X2/R26	RESISTOR	1.05k	1% 1/10	) W	0603	Resistor
X3/X2/K20 X3/X2/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CHITICITOR	0.141	TOWVDC	21 / 10	0005	ceramic capacito
X3/X2/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif. X3/X2/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r x2/x2/D10	DHATAMAD	г 11	10. 1/1/	) r. r	0.603	
X3/X2/R18	RESISTOR	5.11	1% 1/10		0603	Resistor
X3/X2/C13 r	CAPACITOR	0.1uF	16WVDC	A/K	0603	Ceramic capacito
X3/X2/R17	RESISTOR	5.11	1% 1/10	ОW	0603	Resistor
X3/X2/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						-

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X3/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAFACITOR	0.1ur	IOWVDC X/K	0003	ceramic capacito
X3/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
				0603	
X3/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x2/x2/D21	DEGE GEOD	220	10 1/1057	0.602	Danish
X3/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		0.00	7.0 7.47.0	0.500	
X3/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X2/Q2	MMBFJ309		unknown SOT23	n-channe	
X3/X2/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X2/R41	RESISTOR	301k	1% 0603	Resisto	
X3/X2/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X3/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	amp
X3/X2/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X3/X2/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X3/X2/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X3/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r					
X3/X2/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r					
X3/X2/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R11	RESISTOR	2.00k	1% 0603	Resisto	
X3/X2/U12	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/U11	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/R25	RESISTOR	1.00Meg	1% 0603	Resisto	r
X3/X2/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X3/X2/R15	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					-
X3/X2/R4	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r					
X3/X2/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r					
X3/X2/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X2/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC	
X3/X2/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X3/X2/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r					-
X3/X2/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r		-			-
X3/X2/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/R12	RESISTOR	3.00k	1% 0603	Resisto	
40/63					hureday May 07, 2015

11 07 17 10 17		\/! al a			5 04/40
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X3/X2/U7	MAX4594DCKR		unknown SC70		alog switch
X3/X2/C4	CAPACITOR	100pF	5% NPO Vitreous	0505	Ceramic capacito
r   X3/X2/R2	RESISTOR	2.00k	1% 0603	Resisto	r
X3/X2/R9	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/R8	RESISTOR	0	1% 0603	Resisto	
X3/X2/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic	capacitor
X3/X1/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X3/X1/C3 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X3/X1/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X3/X1/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X3/X1/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X3/X1/C30	POLARIZED_CAPAC	T™∩D	47uF 15WVDC	2711	Tantalum capacit
or	_				<del>-</del>
X3/X1/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X3/X1/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X3/X1/C28 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X3/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/R20	RESISTOR	1	1/4W 1206	Resisto	
X3/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x3/x1/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X3/X1/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif					
X3/X1/C14  r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x3/x1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r  X3/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r v2/v1/p22	DECTOMOD	330	1 9	0603	Resistor
X3/X1/R22 X3/X1/C7	RESISTOR CAPACITOR	0.1uF	1% 1/10W 16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X1/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X1/Q2 X3/X1/C22	MMBFJ309 CAPACITOR	unknown 0.1uF	unknown SOT23 16WVDC X7R	n-chann 0603	el jiet Ceramic capacito
x3/x1/C22 r	CAPACIIUK	U.IUF	TOMADC VIK	0003	ceramic capacito

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X3/X1/R13	RESISTOR		46.4	1% 1/10	) W	0603	Resistor
X3/X1/R41	RESISTOR		301k	1%	0603	Resisto	r
X3/X1/U6	ADA4805-		unknown	unknowr		Fast op	
X3/X1/U8	ADA4805-		unknown	unknowr	n SC70-6	Fast op	
X3/X1/U5	ADA4805-		unknown			Fast op	
X3/X1/U4	ADA4805-		unknown			Fast op	
X3/X1/R24	RESISTOR		20	1% 1/10		0603	Resistor
X3/X1/C16	CAPACITO		1uF	10WVDC		0805	Ceramic capacito
r							-
X3/X1/C4a r	CAPACITO	R	30pF	5% NP0	Vitreous	0505	Ceramic capacito
X3/X1/C2 r	CAPACITO	R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X1/R11	RESISTOR		2.00k	1%	0603	Resisto	r
X3/X1/U12	MAX4594D		unknown				alog switch
X3/X1/C17	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r X3/X1/R38	RESISTOR		3.00k	1%	0603	Resisto	r
X3/X1/U11	MAX4594D		unknown				alog switch
X3/X1/C6	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
X3/X1/U3	MAX4594D	CKR	unknown			SPST an	alog switch
X3/X1/R25	RESISTOR	-	1.00Meg	1%	0603	Resisto	r
X3/X1/R19	RESISTOR	_	62	5% 0.15	5W	0805	Resistor
X3/X1/R15	RESISTOR	=	3.00k	1%	0603	Resisto	r
X3/X1/C12 r	CAPACITO	R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X1/R4	RESISTOR		3.00k	1%	0603	Resisto	r
X3/X1/C20	CAPACITO		1nF	50WVDC		0603	Ceramic capacito
r							_
X3/X1/C21 r	CAPACITO	R	1nF	50WVDC	CUG	0603	Ceramic capacito
X3/X1/R14	RESISTOR		46.4	1%, 1/10		0603	Resistor
X3/X1/U9	AD7984BR		unknown			ADC	Danis at an
X3/X1/R7	RESISTOR		DNP	1% 1/10		0603	Resistor
X3/X1/C18   r	CAPACITO	r	DNP	25WVDC	X/R	0603	Ceramic capacito
X3/X1/C19	CAPACITO	R	2pF	25WVDC	X7R	0603	Ceramic capacito
X3/X1/R10	RESISTOR	-	3.00k	1%	0603	Resisto	r
X3/X1/R12	RESISTOR	-	3.00k	1%	0603	Resisto	r
X3/X1/U7	MAX4594D	CKR	unknown	unknowr	n SC70	SPST an	alog switch
X3/X1/C4	CAPACITO	R	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r							_
X3/X1/R2	RESISTOR	-	2.00k	1%	0603	Resisto	r
X3/X1/R9	RESISTOR	-	3.00k	1%	0603	Resisto	
X3/X1/R8	RESISTOR	-	0	1%	0603	Resisto	r
X3/X1/C1	CAPACITO		220pF	50WVDC	0805	Ceramic	capacitor
J2 Flexpri:	nt	unknown	unknown	NK-2M2-	-051		e 51 pin connecto
X2/C39 CAPACIT		1uF	10WVDC 2		0805		capacitor
X2/R51 RESISTO		330	5% 0.15V		0805	Resisto	
X2/R53 RESISTO		3.74k	1% 1/100		0603	Resisto	
X2/R52 RESISTO		3.74k	1% 1/10V		0603	Resisto	
X2/C38 CAPACIT		0.1uF	16WVDC 2		0603		capacitor
X2/C37 CAPACIT		22nF	50WVDC 2		0603		capacitor
X2/U10 MAX308C			unknown		8 input		
X2/C36 CAPACIT		22nF	50WVDC		0603	Ceramic	capacitor
X2/U9 AD5328	unknown	unknown	TSSOP16	Octal I	DAC		
40/00							

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X2/C35 CAPAC	TTOR	1uF	10WVDC 2	 <7R	0805	Ceramic	capacitor
X2/R48 RESIS		330	5% 0.15W		0805	Resisto	_
X2/R50 RESIS		3.74k	1% 1/10V		0603	Resisto	
X2/R49 RESIS		3.74k	1% 1/10V		0603	Resisto	
	CITOR	0.1uF	16WVDC 2		0603		capacitor
X2/C33 CAPAC		22nF	50WVDC 2		0603		capacitor
	)8CSE+		unknown			analog i	
X2/C32 CAPAC		22nF	50WVDC 2		0603		capacitor
X2/U7 AD532		unknown					111
X2/C31 CAPAC		0.1uF	25WVDC 2	K7R	0603	Ceramic	capacitor
X2/L4 EXC-3	3BB102H	unknown	unknown	0603	EMI chi		-
X2/C30 CAPAC	CITOR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X2/L3 EXC-3	3BB102H	unknown	unknown	0603	EMI chi	ρ	
X2/C29 CAPAC	CITOR	22nF	50WVDC 2	K7R	0603		capacitor
	3BB102H		unknown		EMI chi	-	
T	3BB102H		unknown		EMI chi	Þ	
X2/C28 CAPAC		22nF	50WVDC 2		0603		capacitor
X2/X6/R14	RESISTO		301k	1%	0603	Resisto:	
X2/X6/R15	RESISTO		301k	1%	0603	Resisto:	
X2/X6/U1	DUAL_OP		LT2078A		N/A	S08	unknown
X2/X6/R13	RESISTO		1.00Meg		0603	Resisto	
X2/X6/R8	RESISTO		100k	1%	0603	Resisto:	
X2/X6/R9	RESISTO		300k	1%	0603	Resisto	
X2/X6/R10	RESISTO		100k	1%	0603	Resisto	
X2/X6/R11	RESISTO		301k	1%	0603	Resisto:	
X2/X6/C4  r	CAPACITO	)R	330pF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R12	RESISTO	₹.	470	1% 1/10	WC	0603	Resistor
X2/X6/C5	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
r   X2/X6/C3   r	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R6	RESISTO		49.9	1% 1/10		0603	Resistor
X2/X6/R7	RESISTO		1.00Meg		0603	Resisto	
X2/X6/R1	RESISTO		100k	1%	0603	Resisto:	
X2/X6/R2	RESISTO		300k	1%	0603	Resisto:	
X2/X6/R3	RESISTO		100k 301k	1% 1%	0603 0603	Resisto:	
X2/X6/R4 X2/X6/C1	RESISTO CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	CAPACITO	JK	330pr	30WVDC	A/K	0003	-
X2/X6/R5	RESISTO		470	1% 1/10		0603	Resistor
X2/X6/C2 r	CAPACIT	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
X2/X5/R14	RESISTO	3	301k	1%	0603	Resisto	r
X2/X5/R15	RESISTO		301k	1%	0603	Resisto	
X2/X5/U1	DUAL_OP		LT2078A		N/A	SO8	unknown
X2/X5/R13	RESISTO		1.00Meg		0603	Resisto	
X2/X5/R8	RESISTO		100k	1%	0603	Resisto	
X2/X5/R9	RESISTO		300k	1%	0603	Resisto	
X2/X5/R10	RESISTO		100k	1%	0603	Resisto	
X2/X5/R11	RESISTO		301k	1%	0603	Resisto	
X2/X5/C4	CAPACIT		330pF	50WVDC	X7R	0603	Ceramic capacito
r   X2/X5/R12	RESISTO	⊋	470	1% 1/10	∩ w	0603	Resistor
X2/X5/R12 X2/X5/C5	CAPACIT		470 47nF	50WVDC		0805	Ceramic capacito
x2/x5/C5	CAPACII	<b>J1</b> (	-I / 11L	J O W V DC	A / IV	0000	Ceramic Capacito
x2/x5/C3 r	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X5/R6	RESISTO	₹	49.9	1% 1/10	WC	0603	Resistor

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X2/X5/R		 R	1.00Meg	1%	0603	Resisto	
X2/X5/R			100k	1%	0603	Resistor	
X2/X5/R2			300k	1%	0603	Resistor	
X2/X5/R3			100k	1%	0603	Resistor	
X2/X5/R4			301k	1%	0603	Resistor	
X2/X5/K3			330pF	50WVDC		0603	Ceramic capacito
KZ/KJ/C.	CAPACITY		330Pr	JOWVDC	Z/K	0003	ceramic capacito
X2/X5/R5	5 RESISTO	R	470	1% 1/10	ΟW	0603	Resistor
X2/X5/C2			47nF	50WVDC		0805	Ceramic capacito
r		011	1,111	3011120	11,10	0000	ceramic capacite
X2/R62	RESISTOR	49.9	1% 1/10	W	0603	Resisto	r
X2/R57	RESISTOR	301k	1%	0603	Resisto	2	
X2/R54	RESISTOR	0	1%	0603	Resisto		
X2/R47	RESISTOR	3.01Meg		0603	Resisto		
X2/R46	RESISTOR	37.4k	1%	0603	Resistor		
X2/C27	CAPACITOR	22nF	100WVDC		0805		capacitor
X2/R45	RESISTOR	40.2k	1%	0603	Resisto		<u>-</u>
X2/C26	CAPACITOR	33nF	25WVDC		0603		capacitor
X2/C20 X2/R44	RESISTOR	604k	1%	0603	Resisto		- CAP G - C - C - C - C - C - C - C - C - C -
X2/R44 X2/R43	RESISTOR	10k	1%	0603	Resisto		
X2/R43 X2/C25	CAPACITOR	22nF	100WVDC		0805		capacitor
X2/R42	RESISTOR	10k	18	0603	Resisto		capacitoi
X2/R42 X2/Q2	PNP_TRANSISTOR	PMBTA92	unknown		unknown	L	
X2/Q2 X2/R41	RESISTOR	200k	1%	0603	Resisto	6	
X2/R41 X2/R40	RESISTOR	200k 10k	1%	0603	Resistor		
X2/R40 X2/Q1	PNP_TRANSISTOR	PMBTA92			unknown	L	
X2/Q1 X2/C24	CAPACITOR	0.1uF	25WVDC		0603	Coromia	capacitor
X2/C24 X2/R39		133k	25WVDC 1%	0603	Resisto		CapaCICOI
	RESISTOR						dual anamatianal
X2/U4	DUAL_OPAMP ier, SO8	LM6142A	L IVI	N/A	S08	generic	dual operational
X2/R38	RESISTOR	604k	1%	0603	Resisto	^	
X2/R30 X2/R37	RESISTOR	392k	1%	0603	Resisto		
X2/R37 X2/R36	RESISTOR	200k	1%	0603	Resisto		
X2/R30 X2/C23	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/C23 X2/R35	RESISTOR	470	1% 1/10		0603	Resisto	=
X2/K33 X2/C22	CAPACITOR	0.22uF	25WVDC		1206		capacitor
X2/U2 X2/U3	DUAL_OPAMP	LT2078A		N/A	SO8	unknown	Capacitoi
X2/C21	CAPACITOR	0.22uF	25WVDC		1206		capacitor
			25WVDC		0603		
X2/C20	CAPACITOR	0.1uF 44.2k	25WVDC 1%	0603	Resisto		capacitor
X2/R34	RESISTOR	44.2K 604k	1% 1%	0603	Resisto		
X2/R33 X2/R32	RESISTOR RESISTOR	56.2k	1% 1%	0603	Resisto		
X2/R32 X2/R31		200k	1% 1%	0603	Resistor		
	RESISTOR						ganagi tom
X2/C19	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R30	RESISTOR	470	1% 1/10		0603	Resisto	L
X2/R29	RESISTOR	44.2k	1%	0603	Resistor		
X2/R28	RESISTOR	604k	1%	0603	Resistor		
X2/R27	RESISTOR	56.2k	1%	0603	Resistor		
X2/R26	RESISTOR	200k	1%	0603	Resistor		aanaai +
X2/C18	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R25	RESISTOR	470	1% 1/10		0603	Resistor	
X2/C17	CAPACITOR	0.22uF	25WVDC		1206		capacitor
X2/U2	DUAL_OPAMP	LT2078A		N/A	S08	unknown	
X2/C15	CAPACITOR	0.1uF	25WVDC		0603		capacitor
X2/C16	CAPACITOR	0.047uF			0603		capacitor
X2/R24	RESISTOR	54.9k	1%	0603	Resistor		
X2/R23	RESISTOR	82.5k	1%	0603	Resistor		
X2/R22	RESISTOR	604k	1%	0603	Resisto		
X2/R21	RESISTOR	953k	1%	0603	Resisto	<u>C</u>	
4.4/00							

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X2/R20	RESISTO	 ?	200k	1%	0603	Resisto	 r	<u> </u>
	CAPACIT		3.3nF	50WVDC		0603		capacitor
	RESISTO		470	1% 1/10		0603	Resisto	
	CAPACITO		0.22uF	25WVDC		1206	Ceramic	capacitor
	RESISTO		54.9k	1%	0603			_
	RESISTO		82.5k	1%	0603	Resisto		
	RESISTO		604k	1%	0603	Resisto	r	
	RESISTO	R	953k	1%	0603	Resisto	r	
	RESISTO		200k	1%	0603	Resisto:	r	
X2/C12	CAPACITO	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
	RESISTO		470	1% 1/10		0603	Resistor	
	CAPACITO	OR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/R60	RESISTO	?.	49.9	1% 1/10	M	0603	Resisto	
X2/R61	RESISTO	З.	49.9	1% 1/10	M	0603	Resisto	r
X2/C40	CAPACITO	OR	0.1uF	25WVDC	X7R	0603	Ceramic	capacitor
X2/U11	DUAL_OP	AMP	LM6142A	ĽΜ	N/A	S08	generic	dual operational
amplif	ier, SO8							
X2/U1	DUAL_OP		LT2078A			SO8	unknown	
· ·	RESISTO		24.9k	1% 1/10		0603	Resisto	
	CAPACITO		0.1uF					capacitor
	CAPACITO		0.1uF			0603		capacitor
X2/C8	CAPACIT			25WVDC		0603		capacitor
X2/R11	RESISTO		54.9k	1%	0603	Resisto:		
X2/R10	RESISTO		82.5k	1%	0603	Resisto:		
X2/R9	RESISTO		604k	1%	0603	Resisto:		
X2/R8	RESISTO		953k	1%	0603	Resisto		
	RESISTO		200k	1%	0603	Resisto:		
	CAPACIT		3.3nF	50WVDC		0603		capacitor
	RESISTO		470	1% 1/10		0603	Resistor	
	CAPACITO		0.22uF	25WVDC		1206		capacitor
X2/U5		AMP	LM6142A	ĽΜ	N/A	SO8	generic	dual operational
	ier, S08				_			
X2/R5	RESISTO		4.75k	1% 1/10		0603	Resistor	
	CAPACIT		620pF	10WVDC		0805		capacitor
	RESISTO		14.7k	1% 1/10		0603	Resistor	
X2/R3	RESISTO		1	1% 1/10		0603	Resistor	
	CAPACITO		1uF	10WVDC		0805		capacitor
X2/C5	CAPACITO		1uF	10WVDC		0805		capacitor
X2/R2	RESISTO		4.99	1% 1/10		0603	Resistor	
· ·	CAPACITO		1uF	10WVDC		0805		capacitor
	RESISTO		49.9	1% 1/10		0603	Resisto	<u>C</u> -
	REFEREN		REF43GS		SO8	2.5V Re		
X2/R59 X2/X4/R2	RESISTO		49.9	1% 1/10	N 1% 1/10	0603	Resistor 0603	
X2/X4/R2 X2/X4/C3		RESISTOR CAPACITO		44.2k 4.7uF	18 1/10 10WVDC		1812	Resistor Ceramic capacito
r	J	CAPACII	)I\	T./UF	TOMADO	A / I	TOT7	ceramic capacito
$\begin{bmatrix} x_2/x_4/c_2 \end{bmatrix}$	2.4	CAPACITO	)R	7.5nF	16WVDC	x7R	0603	Ceramic capacito
r x2/X4/C2	a t	CALACIIC	<b>)</b> 10	, • OIII.	TOMADO	22 / 10	0005	cciamic capacito
X2/X4/R2	2.8	RESISTOR	?	3.01k	1% 1/10	W	0603	Resistor
X2/X4/R6		RESISTOR		1	1% 1/10		0603	Resistor
X2/X4/C2		CAPACIT(		0.1uF	16WVDC		0603	Ceramic capacito
$\begin{vmatrix} nz/ni/cz \\ r \end{vmatrix}$	- <b>-</b>	J(	<del>-</del>	3.141	_ 5,1, 1, D C			
X2/X4/C3	30	POLARIZE	ED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or					-	· · · · <del>-</del>		
X2/X4/R3	39	RESISTOR	ર	15.0k	1% 1/10	W	0603	Resistor
X2/X4/R4		RESISTOR		3.01k	1% 1/10		0603	Resistor
X2/X4/C2		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r								-
X2/X4/C2	25	CAPACITO	)R	0.1uF	16WVDC	X7R	0603	Ceramic capacito

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r					<u> </u>
x2/x4/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/R20	RESISTOR	1	1/4W 1206	Resisto	
x2/x4/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X4/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x4/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif X2/X4/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X2/X4/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X4/C13 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X4/C11 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x4/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X4/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x4/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X4/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/KZZ X2/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	0.1ar	TOWVDC X/K	0003	ceramic capacito
x2/x4/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X4/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X4/Q2	MMBFJ309	unknown	unknown SOT23	n-channe	el jfet
X2/X4/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X4/R41	RESISTOR	301k	1% 0603	Resisto	r
X2/X4/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X2/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X4/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X4/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X2/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X2/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X2/X4/K11 X2/X4/U12	MAX4594DCKR		unknown SC70		alog switch
X2/X4/012 X2/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		0.141		,,,,	
x2/x4/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X4/U11	MAX4594DCKR		unknown SC70		alog switch
X2/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x4/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X2/X4/R25	RESISTOR	1.00Meg		Resisto	
40/00					

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X2/X4/R19	RESISTOR	62	5% 0.15		0805	Resistor
X2/X4/R15	RESISTOR	3.00k	1%	0603	Resisto	
X2/X4/C12 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x2/x4/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						-
X2/X4/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r   X2/X4/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X2/X4/K14 X2/X4/U9	AD7984BRMZ			n MSOP10	ADC	Resiscoi
X2/X4/03 X2/X4/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
	CAPACITOR	DNP	25WVDC		0603	
X2/X4/C18 r	CAPACITOR	DINP	25WVDC	A/R	0603	Ceramic capacito
X2/X4/C19	CAPACITOR	2pF	25WVDC	x7p	0603	Ceramic capacito
r	CAFACITOR	Zpr	ZJWVDC	X/IC	0003	Ceramic capacito
X2/X4/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/R12	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/U7	MAX4594DCKR	unknown	unknowr	n SC70	SPST and	alog switch
X2/X4/C4	CAPACITOR	100pF		Vitreous	0505	Ceramic capacito
r   X2/X4/R2	DECTOMOD	2.00k	1%	0603	Resisto	
	RESISTOR					
X2/X4/R9	RESISTOR	3.00k	1%	0603	Resistor	
X2/X4/R8	RESISTOR	0	1%	0603	Resisto	
X2/X4/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X2/X3/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X2/X3/C3 r	CAPACITOR	4.7uF	10WVDC	X'/R	1812	Ceramic capacito
X2/X3/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X2/X3/R28	RESISTOR	3.01k	1% 1/10	ЭW	0603	Resistor
X2/X3/R6	RESISTOR	1	1% 1/10		0603	Resistor
X2/X3/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r X2/X3/C30	POLARIZED_CAPAC	T™∩D	47uF	15WVDC	2711	Tantalum capacit
or	POLARIZED_CAPAC	IIOR	4 / UF	TOMADC	2/11	Tancarum Capacic
X2/X3/R39	RESISTOR	15.0k	1% 1/10	W	0603	Resistor
X2/X3/R40	RESISTOR	3.01k	1% 1/10	W	0603	Resistor
X2/X3/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r X2/X3/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						-
X2/X3/R33	RESISTOR	330	1% 1/10		0603	Resistor
X2/X3/R20	RESISTOR	1	1/4W	1206	Resisto	
X2/X3/C23 r	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
X2/X3/R26	RESISTOR	1.05k	1% 1/10	) W	0603	Resistor
X2/X3/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r			_ = = = = = = = = = = = = = = = = = = =		2000	
X2/X3/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif		0 1 =	1	***	0.500	
X2/X3/C14 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X2/X3/R18	RESISTOR	5.11	1% 1/10	TMT	0603	Resistor
X2/X3/R16 X2/X3/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAPACTION	U. 1 UF	TOMADC	ΛΙΛ	0003	Ceramic Capacito
X2/X3/R17	RESISTOR	5.11	1% 1/10	W	0603	Resistor
X2/X3/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	-				-	1 11 1

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X2/X3/R16	RESISTOR	5.11	<b>eo.bom.txt</b> 1% 1/10W	0603	Resistor
X2/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X3/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X3/Q2	MMBFJ309	unknown	unknown SOT23	n-chann	el jfet
X2/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X3/R41	RESISTOR	301k	1% 0603	Resisto	r
X2/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X3/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X2/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
x2/x3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X2/X3/U12	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/U3	MAX4594DCKR		unknown SC70		alog switch
X2/X3/R25	RESISTOR	1.00Meg		Resisto	
X2/X3/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X2/X3/R15	RESISTOR	3.00k	1% 0603	Resisto	
X2/X3/C12  r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X3/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
x2/x3/C21 r	CAPACITOR	lnF	50WVDC COG	0603	Ceramic capacito
X2/X3/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X3/U9	AD7984BRMZ		unknown MSOP10	ADC	
X2/X3/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X2/X3/C18 r	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
x2/x3/C19 r	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
x2/x3/R10	D₽CTCT∩D	3.00k	1% 0603	Resisto	~
X2/X3/R10 X2/X3/R12	RESISTOR RESISTOR	3.00k 3.00k	1% 0603 1% 0603	Resisto	
40/62	VEDIDIOK	J.00K	±% U0U3		Thursday May 07, 2015

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	MAX4594DCKR		unknown SC70	CDCT an	alog switch
X2/X3/U7 X2/X3/C4 r	CAPACITOR	100pF	5% NPO Vitreous		Ceramic capacito
X2/X3/R2	RESISTOR	2.00k 3.00k	1% 0603 1% 0603	Resisto:	
X2/X3/R9	RESISTOR RESISTOR	3.00k	1% 0603	Resisto:	
X2/X3/R8		-	50WVDC 0805		
X2/X3/C1 X2/X2/R27	CAPACITOR	220pF 44.2k	1% 1/10W	0603	capacitor Resistor
X2/X2/R2/ X2/X2/C3	RESISTOR CAPACITOR	44.2K 4.7uF	10WVDC X7R	1812	Ceramic capacito
r					_
x2/x2/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X2/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X2/X2/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x2/C30 or	POLARIZED_CAPAC		47uF 15WVDC	2711	Tantalum capacit
X2/X2/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X2/X2/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X2/C28 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X2/X2/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/R20	RESISTOR	1	1/4W 1206	Resisto	
X2/X2/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X2/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif		0 1 1	16.000	0.603	
X2/X2/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C13 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C11 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x2/x2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X2/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r vo/vo/poi	DEGICEOD	220	1 0, 1 /1 O T.T	0603	Dogiator
X2/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/C7  r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X2/Q2	MMBFJ309		unknown SOT23	n-chann	
X2/X2/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	-	<del>-</del>			

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X2/X2/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor
X2/X2/R41	RESISTOR	301k	1% 0603	Resistor
X2/X2/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X2/X2/U8	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X2/X2/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X2/X2/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X2/X2/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X2/X2/C16	CAPACITOR	luF	10WVDC X7R	0805 Ceramic capacito
r	0111101101	141	1011/10	ooos ceramie capacite
X2/X2/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X2/X2/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X2/X2/R11	RESISTOR	2.00k	1% 0603	Resistor
X2/X2/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X2/X2/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CALACTION	o.iar	IOWVDC 177R	0005 CCIAMIC Capacito
X2/X2/R38	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/K36 X2/X2/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X2/X2/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAPACITOR	0.lur	TOWVDC X/R	0003 Ceramic Capacito
X2/X2/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X2/X2/R25	RESISTOR	1.00Meg	1% 0603	Resistor
X2/X2/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X2/X2/R15	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X2/X2/R4	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r	C11111C11O10	<b>1111</b>	3011126 606	ceramic capacito
X2/X2/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
x2/x2/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X2/X2/U9	AD7984BRMZ		unknown MSOP10	ADC
X2/X2/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X2/X2/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r	C111 11C 1 1 O1C	DIVI	25WVDC 1171C	ceramic eapacies
X2/X2/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X2/X2/R10	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/R12	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X2/X2/C4	CAPACITOR	100pF	5% NPO Vitreous	
x2/x2/C4 r	CAPACITOR	TOOPL	7. MEN ATITEORS	osos ceramic capacito
X2/X2/R2	RESISTOR	2.00k	1% 0603	Resistor
X2/X2/R2 X2/X2/R9	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/R9 X2/X2/R8	RESISTOR	0	1% 0603	Resistor
X2/X2/R8 X2/X2/C1	CAPACITOR	-	50WVDC 0805	
X2/X2/C1 X2/X1/R27		220pF 44.2k	1% 1/10W	Ceramic capacitor 0603 Resistor
	RESISTOR			
X2/X1/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r X2/X1/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
r x2/x1/D20	DHATAMAD	2 011	10. 1 /101.7	0603
X2/X1/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X2/X1/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X2/X1/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x2/x1/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Tantalum capacit
F0/00				

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X2/X1/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X2/X1/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X1/C28	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r					-
X2/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/R20	RESISTOR	1	1/4W 1206	Resistor	
X2/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	01111011011	0.141	1011/10	0005	ceramic capacite
X2/X1/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X1/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		0 <b>.</b> 1 a1	1000000 21710	0003	ceramic capacito
X2/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif:		DP101 12711	11/ 11/ 11	500	generic duar ope
X2/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CALACITOR	o.iar	TOWVEC X/IC	0003	cciamic capacito
X2/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/R16 X2/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CALUCTION	J.IUF	TOMADO VIL	0003	ceramic capacito
X2/X1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/K1/ X2/X1/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
	CAPACITOR	U.IUF	TOWADC X/K	0003	Ceramic Capacito
r vo/v1/p16	D II G I G III O D	г 11	10. 1 /101	0.00	Danishas
X2/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x0/x1/DF	DEGLEROD	г 11	10 1/101	0.602	Daniahaa
X2/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r / / / / / / / / / / / / / / / /	DEGEGEOR	220	10 1/10**	0.602	
X2/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		200		0.500	
X2/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X1/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X1/Q2	MMBFJ309		unknown SOT23	n-channe	3
X2/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X1/R41	RESISTOR	301k	1% 0603	Resistor	
X2/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	amp
X2/X1/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X1/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r					-
X2/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r		-			-
X2/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	-	<del>-</del>	- ·-		
X2/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	<u>r</u>
X2/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X2/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R38	RESISTOR	3.00k	1% 0603	Resistor	r
Thursday May 07, 00		2.0011			F4/00

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X2/X1/U1 X2/X1/C6		MAX4594I CAPACITO		unknown 0.1uF	unknown 16WVDC		SPST and	alog switch Ceramic capacito
r X2/X1/U3 X2/X1/R2 X2/X1/R1 X2/X1/R1	25 19	MAX4594I RESISTOR RESISTOR	ξ {	unknown 1.00Meg 62 3.00k		0603	SPST and Resistor 0805 Resistor	Resistor
X2/X1/C1		CAPACITO		0.1uF			0603	Ceramic capacito
X2/X1/R4   X2/X1/C2   r		RESISTOR CAPACITO		3.00k 1nF	1% 50WVDC	0603 C0G	Resistor 0603	r Ceramic capacito
x2/x1/c2	21	CAPACITO	OR	1nF	50WVDC	C0G	0603	Ceramic capacito
X2/X1/R1 X2/X1/U9 X2/X1/R7	9	RESISTOR AD7984BR RESISTOR	RMZ	46.4 unknown DNP	1% 1/10 unknown 1% 1/10	MSOP10	0603 ADC 0603	Resistor Resistor
X2/X1/C1		CAPACITO	OR	DNP	25WVDC	X7R	0603	Ceramic capacito
X2/X1/C1	19	CAPACITO	OR	2pF	25WVDC	X7R	0603	Ceramic capacito
X2/X1/R1 X2/X1/R1 X2/X1/U1 X2/X1/C4	12 7	RESISTOR RESISTOR MAX4594I CAPACITO	R OCKR	3.00k 3.00k unknown 100pF		0603 0603 SC70 Vitreous		
X2/X1/R2 X2/X1/R9 X2/X1/R8 X2/X1/C1	<del>)</del> 3	RESISTOR RESISTOR RESISTOR CAPACITO	₹ ?	2.00k 3.00k 0 220pF	1% 1% 1% 50WVDC	0603 0603 0603 0805	Resistor Resistor Resistor Ceramic	c
Js or	StackCor					00-101-30		Stacking connect
J1	Flexpri	nt	unknown	unknown	NK-2M2-	051	Airborne	e 51 pin connecto
X1/C39 X1/R51 X1/R53 X1/R52 X1/C38 X1/C37 X1/U10 X1/C36 X1/U9 X1/C35 X1/R48 X1/R50 X1/R49 X1/C34	CAPACITO RESISTON RESISTON CAPACITO CAPACITO MAX308CS CAPACITO AD5328 CAPACITO RESISTON RESISTON RESISTON CAPACITO CAPACITO	R R R DR DR SE+ DR unknown DR R R	22nF	10WVDC 2 5% 0.15W 1% 1/10W 1% 1/10W 16WVDC 2 unknown 50WVDC 2 TSSOP16 10WVDC 2 5% 0.15W 1% 1/10W 1% 1/10W	N N K7R K7R SO16 K7R Octal D K7R N	0603	Resistor Resistor Ceramic Ceramic analog r Ceramic Ceramic Resistor Resistor Resistor	capacitor capacitor mux capacitor capacitor capacitor
X1/C33 X1/U8 X1/C32 X1/U7 X1/C31	CAPACITO MAX308CS CAPACITO AD5328 CAPACITO	DR SE+ DR unknown DR	22nF unknown 22nF	50WVDC 2 unknown 50WVDC 2	K7R SO16 K7R Octal D	0603 8 input 0603	Ceramic analog r Ceramic	capacitor
X1/L4 X1/C30 X1/L3 X1/C29 X1/L2	EXC-3BB3 CAPACITO EXC-3BB3 CAPACITO EXC-3BB3	OR 102H OR	22nF unknown 22nF	unknown 50WVDC 2 unknown 50WVDC 2 unknown	X7R 0603 X7R	EMI chip 0603 EMI chip 0603 EMI chip	Ceramic Ceramic	capacitor capacitor
X1/L1	EXC-3BB			unknown		EMI chi		

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X1/C28 CAPACITO	OR 22nF	50WVDC	 X7R	0603	Ceramic	capacitor
X1/X6/R14	RESISTOR	301k	1%	0603	Resisto	
X1/X6/R15	RESISTOR	301k	1%	0603	Resisto	
X1/X6/U1	DUAL_OPAMP	LT2078A		N/A	S08	unknown
X1/X6/R13	RESISTOR	1.00Meg		0603	Resisto	
X1/X6/R8	RESISTOR	100k	1%	0603	Resisto	
X1/X6/R9	RESISTOR	300k	1%	0603	Resisto	
X1/X6/R10	RESISTOR	100k	1%	0603	Resisto	
X1/X6/R11	RESISTOR	301k	1%	0603	Resisto	
X1/X6/C4	CAPACITOR	330pF	50WVDC		0603	Ceramic capacito
r						
X1/X6/R12	RESISTOR	470	1% 1/10	) W	0603	Resistor
X1/X6/C5	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r						
x1/x6/C3	CAPACITOR	22nF	50WVDC	X7R	0603	Ceramic capacito
r						
X1/X6/R6	RESISTOR	49.9	1% 1/10	) W	0603	Resistor
X1/X6/R7	RESISTOR	1.00Meg		0603	Resisto	
X1/X6/R1	RESISTOR	100k	1%	0603	Resisto	
X1/X6/R2	RESISTOR	300k	1%	0603	Resisto	
X1/X6/R3	RESISTOR	100k	1%	0603	Resisto	
X1/X6/R4	RESISTOR	301k	1%	0603	Resisto	
X1/X6/C1	CAPACITOR	330pF	50WVDC		0603	Ceramic capacito
r						
X1/X6/R5	RESISTOR	470	1% 1/10	) W	0603	Resistor
X1/X6/C2	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r						
X1/X5/R14	RESISTOR	301k	1%	0603	Resisto	r
X1/X5/R15	RESISTOR	301k	1%	0603	Resisto	
X1/X5/U1	DUAL_OPAMP	LT2078A		N/A	S08	unknown
X1/X5/R13	RESISTOR	1.00Meg		0603	Resisto	
X1/X5/R8	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R9	RESISTOR	300k	1%	0603	Resisto	
X1/X5/R10	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R11	RESISTOR	301k	1%	0603	Resisto	
X1/X5/C4	CAPACITOR	330pF	50WVDC		0603	Ceramic capacito
r	01111011011	000F1	5511.125			cclamic capacite
X1/X5/R12	RESISTOR	470	1% 1/10	)W	0603	Resistor
X1/X5/C5	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r	CHILICITOR	1 / 111	SOWVEC	21 / 10	0005	ceramic capacito
X1/X5/C3	CAPACITOR	22nF	50WVDC	X7R	0603	Ceramic capacito
r			551,150			
X1/X5/R6	RESISTOR	49.9	1% 1/10	)W	0603	Resistor
X1/X5/R7	RESISTOR	1.00Meg		0603	Resisto	
X1/X5/R1	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R2	RESISTOR	300k	1%	0603	Resisto	
X1/X5/R3	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R4	RESISTOR	301k	1%	0603	Resisto	
X1/X5/C1	CAPACITOR	330pF	50WVDC		0603	Ceramic capacito
r	C211 11C1 1 C10	220PI	2011170	11/10	0000	coramic capacito
X1/X5/R5	RESISTOR	470	1% 1/10	) W	0603	Resistor
X1/X5/C2	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r	J.11.101.101.	- · · · · ·	201110			coració
X1/R62 RESISTO	R 49.9	1% 1/10	M	0603	Resisto	r
X1/R57 RESISTOR		1% 1/10	0603	Resisto		_
X1/R54 RESISTOR		1%	0603	Resisto		
X1/R47 RESISTOR			0603	Resisto		
X1/R46 RESISTOR	_	1%	0603	Resisto		
X1/C27 CAPACITO		100WVDC		0805		capacitor
The second secon					2 = 320	<u>P</u>

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X1/R45	RESISTOR	40.2k 1%	0603	Resistor
X1/C26	CAPACITOR	33nF 25WVDC		0603 Ceramic capacitor
X1/R44	RESISTOR	604k 1%	0603	Resistor
X1/R43	RESISTOR	10k 1%	0603	Resistor
X1/C25	CAPACITOR	22nF 100WVDC		0805 Ceramic capacitor
X1/R42	RESISTOR	10k 1%	0603	Resistor
X1/Q2	PNP_TRANSISTOR	PMBTA92 unknown		unknown
X1/R41	RESISTOR	200k 1%	0603	Resistor
X1/R40	RESISTOR	10k 1%	0603	Resistor
X1/Q1	PNP_TRANSISTOR	PMBTA92 unknown	UB	unknown
	CAPACITOR	0.1uF 25WVDC	x7R	0603 Ceramic capacitor
X1/R39	RESISTOR	133k 1%	0603	Resistor
X1/U4	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dual operational
amplif	ier, SO8			_
X1/R38	RESISTOR	604k 1%	0603	Resistor
X1/R37	RESISTOR	392k 1%	0603	Resistor
X1/R36	RESISTOR	200k 1%	0603	Resistor
X1/C23	CAPACITOR	3.3nF 50WVDC	x7R	0603 Ceramic capacitor
X1/R35	RESISTOR	470 1% 1/10		0603 Resistor
X1/C22	CAPACITOR	0.22uF 25WVDC	x7R	1206 Ceramic capacitor
X1/U3	DUAL_OPAMP	LT2078AIS8	N/A	SO8 unknown
X1/C21	CAPACITOR	0.22uF 25WVDC	x7R	1206 Ceramic capacitor
X1/C20	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/R34	RESISTOR	44.2k 1%	0603	Resistor
X1/R33	RESISTOR	604k 1%	0603	Resistor
X1/R32	RESISTOR	56.2k 1%	0603	Resistor
X1/R31	RESISTOR	200k 1%	0603	Resistor
X1/C19	CAPACITOR	3.3nF 50WVDC	X7R	0603 Ceramic capacitor
X1/R30	RESISTOR	470 1% 1/10	M	0603 Resistor
X1/R29	RESISTOR	44.2k 1%	0603	Resistor
X1/R28	RESISTOR	604k 1%	0603	Resistor
X1/R27	RESISTOR	56.2k 1%	0603	Resistor
X1/R26	RESISTOR	200k 1%	0603	Resistor
	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R25	RESISTOR	470 1% 1/10		0603 Resistor
X1/C17	CAPACITOR	0.22uF 25WVDC	x7R	1206 Ceramic capacitor
X1/U2	DUAL_OPAMP	LT2078AIS8	N/A	S08 unknown
X1/C15	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/C16	CAPACITOR	0.047uF 50WVDC		0603 Ceramic capacitor
X1/R24	RESISTOR	54.9k 1%	0603	Resistor
X1/R23	RESISTOR	82.5k 1%	0603	Resistor
X1/R22	RESISTOR	604k 1%	0603	Resistor
X1/R21	RESISTOR	953k 1%	0603	Resistor
X1/R20	RESISTOR	200k 1%	0603	Resistor
X1/C14	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R19	RESISTOR	470 1% 1/101		0603 Resistor
X1/C13	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/R18	RESISTOR	54.9k 1%	0603	Resistor
X1/R17	RESISTOR	82.5k 1%	0603	Resistor
X1/R16	RESISTOR	604k 1%	0603	Resistor
X1/R15	RESISTOR	953k 1%	0603	Resistor
X1/R14	RESISTOR	200k 1%	0603	Resistor
X1/C12	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R13	RESISTOR	470 1% 1/10		0603 Resistor
X1/C11	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/R60	RESISTOR	49.9 1% 1/10		0603 Resistor
X1/R61	RESISTOR	49.9 1% 1/10		0603 Resistor
X1/C40	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/U11	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dual operational

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X1/U1	
X1/C9	
X1/R11 RESISTOR	
X1/R9	
X1/C7	
X1/C6	
X1/R5	cional
X1/R4	
X1/C5	
X1/R1 RESISTOR	
X1/X4/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor	
	pacito
r X1/X4/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic cap	
r   X1/X4/R28   RESISTOR   3.01k   1% 1/10W   0603   Resistor   X1/X4/R6   RESISTOR   1   1% 1/10W   0603   Resistor	
X1/X4/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic cap	
X1/X4/C30	ıpacıt
X1/X4/R40   RESISTOR   3.01k   1% 1/10W   0603   Resistor   X1/X4/C28   CAPACITOR   4.7uF   10WVDC   X7R   1812   Ceramic   cap	acito
r X1/X4/C25 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic cap	acito
X1/X4/R33 RESISTOR 330 1% 1/10W 0603 Resistor X1/X4/R20 RESISTOR 1 1/4W 1206 Resistor	
X1/X4/C23	acito
X1/X4/C10 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic cap	
X1/X4/U10 DUAL_OPAMP LM6142AIM N/A SO8 generic dua rational amplifier, SO8 X1/X4/C14 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic cap	_
r   X1/X4/R18   RESISTOR   5.11   1% 1/10W   0603   Resistor	
X1/X4/C13	acito

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X1/X4/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X4/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X4/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X4/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CHILICITOR	0.141	TOWVEC MIN	0005	ceramic capacito
X1/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/R23 X1/X4/R42	RESISTOR	4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X1/X4/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X4/Q2	MMBFJ309		unknown SOT23	n-channe	
X1/X4/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	DDGTG	4.5.4	10 1/10	0.665	
X1/X4/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X4/R41	RESISTOR	301k	1% 0603 unknown SC70-6	Resistor	
X1/X4/U6   X1/X4/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast opa	
X1/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X1/X4/C16	CAPACITOR	luF	10WVDC X7R	0805	Ceramic capacito
r					_
X1/X4/C4a  r	CAPACITOR	30pF	5% NPO Vitreous		Ceramic capacito
X1/X4/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X4/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X1/X4/U12	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X1/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R38	D₽CTCT∩D	3.00k	1% 0603	Resisto	
X1/X4/K36 X1/X4/U11	RESISTOR MAX4594DCKR		unknown SC70		alog switch
X1/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					222
X1/X4/U3	MAX4594DCKR		unknown SC70		alog switch
X1/X4/R25	RESISTOR	1.00Meg		Resisto	
X1/X4/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X1/X4/R15	RESISTOR	3.00k	1% 0603	Resistor	
X1/X4/C12  r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x1/x4/R4	RESISTOR	3.00k	1% 0603	Resisto	c
X1/X4/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r   X1/X4/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	CVI VCI IOM	TIIL	DOMANC COG	0000	ccramic capacito
X1/X4/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X4/U9	AD7984BRMZ		unknown MSOP10	ADC	
X1/X4/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X1/X4/C18   r	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
X1/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r	-	_		-	
r 56/62				_	buraday May 07, 2016

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X1/X4/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X4/R12	RESISTOR	3.00k	1%	0603	Resistor	
X1/X4/U7	MAX4594DCKR	unknown				alog switch
X1/X4/C4	CAPACITOR	100pF		Vitreous		Ceramic capacito
r	071171011011	TOOPI	30 141 0	VICICOUD	0303	ceramic capacito
x1/x4/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X4/R9	RESISTOR	3.00k	1%	0603	Resistor	
X1/X4/R8	RESISTOR	0	1%	0603	Resistor	
X1/X4/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X1/X3/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X1/X3/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r	071171011011	1.741	TOWVEC	21 / 10	1012	ceramic capacito
X1/X3/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r	0111101101	, , , , , , ,				
X1/X3/R28	RESISTOR	3.01k	1% 1/10	)W	0603	Resistor
X1/X3/R6	RESISTOR	1	1% 1/10		0603	Resistor
X1/X3/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	- <del></del>	<del></del>	23	•		
X1/X3/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or	<u>-</u>	- <del></del>	*	– 0		
X1/X3/R39	RESISTOR	15.0k	1% 1/10	) W	0603	Resistor
X1/X3/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X3/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r					-	
X1/X3/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						-
X1/X3/R33	RESISTOR	330	1% 1/10	) W	0603	Resistor
X1/X3/R20	RESISTOR	1	1/4W	1206	Resistor	
X1/X3/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						-
X1/X3/R26	RESISTOR	1.05k	1% 1/10	W	0603	Resistor
X1/X3/C10	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X3/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif	ier, SO8					
X1/X3/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X3/R18	RESISTOR	5.11	1% 1/10	Μ	0603	Resistor
X1/X3/C13	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X3/R17	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X3/C11	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X3/R16	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X3/C5	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r				_		_
X1/X3/R5	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X3/C9	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X3/R21	RESISTOR	330	1% 1/10		0603	Resistor
X1/X3/C8	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r	D=0=0=0=	222	10 1 · · ·		0.666	
X1/X3/R22	RESISTOR	330	1% 1/10		0603	Resistor
X1/X3/C7	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
r x1 (x2 (D02	DEGLESS	222	10 1 11	\	0.603	
X1/X3/R23	RESISTOR	330	1% 1/10		0603	Resistor
X1/X3/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X3/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X3/Q2	MMBFJ309	unknown	unknowr	n SOT23	n-channe	eı jiet

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X1/X3/C22	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X1/X3/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor
		301k	1% 1/10W 1% 0603	
X1/X3/R41	RESISTOR			Resistor
X1/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X1/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
X1/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X1/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X1/X3/R11	RESISTOR	2.00k	1% 0603	Resistor
X1/X3/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r v1/v2/p20	DEGTOMOD	2 001-	10. 0.000	Dogiator
X1/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X1/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X1/X3/R25	RESISTOR	1.00Meg	1% 0603	Resistor
X1/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X1/X3/R15	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r   X1/X3/R4	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r	C/11/1C1101C	T111	30WVDC C0G	ceramie capacite
X1/X3/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
x1/x3/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X1/X3/U9	AD7984BRMZ		unknown MSOP10	ADC
X1/X3/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X1/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	DIVI	23,000 21710	
X1/X3/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X1/X3/R10	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/R12	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C4	CAPACITOR	100pF	5% NPO Vitreous	
r X1/X3/R2	RESISTOR	2.00k	1% 0603	Resistor
X1/X3/R9	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/R8	RESISTOR	0	1% 0603	Resistor
X1/X3/K0 X1/X3/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic capacitor
X1/X3/C1 X1/X2/R27	RESISTOR	44.2k	1% 1/10W	0603 Resistor
X1/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r	31111011011	1. / 41		
X1/X2/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
X1/X2/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X1/X2/R20 X1/X2/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X1/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	C111 11CT T OIL	o. rar	TOMADO 77/17	ceramite capacite
F0/00				

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X1/X2/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X1/X2/R39	RESISTOR	15.0k	1% 1/10	ЭW	0603	Resistor
X1/X2/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X2/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r	011111011011	2 7 7 312				cclamic capacite
X1/X2/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R33	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/R20	RESISTOR	1	1/4W	1206	Resisto	
X1/X2/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r   X1/X2/R26	RESISTOR	1.05k	1% 1/10	ΟW	0603	Resistor
X1/X2/C10	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						<del>-</del>
X1/X2/U10 rational amplif	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
X1/X2/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X2/R18	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C13 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R17	RESISTOR	5.11	1% 1/10	WC	0603	Resistor
X1/X2/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r  X1/X2/R16	RESISTOR	5.11	1% 1/10	ТW	0603	Resistor
X1/X2/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAFACITOR	0.1ur	TOWADC	X/IC	0003	ceramic capacito
X1/X2/R5	RESISTOR	5.11	1% 1/10	WC	0603	Resistor
X1/X2/C9	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						_
X1/X2/R21	RESISTOR	330	1% 1/10		0603	Resistor
X1/X2/C8	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X1/X2/R22	RESISTOR	330	1% 1/10	) TAT	0603	Resistor
X1/X2/K22 X1/X2/C7	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAPACITOR	0.1ur	TOMADC	X/K	0003	ceramic capacito
X1/X2/R23	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/Q2	MMBFJ309	unknown			n-chann	el jfet
X1/X2/C22	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r				_		
X1/X2/R13	RESISTOR	46.4	1% 1/10		0603	Resistor
X1/X2/R41	RESISTOR	301k	1%	0603	Resisto	
X1/X2/U6	ADA4805-1AKSZ			n SC70-6	Fast op	<del>_</del>
X1/X2/U8	ADA4805-1AKSZ			n SC70-6	Fast op	
X1/X2/U5	ADA4805-1AKSZ			n SC70-6	Fast op	
X1/X2/U4	ADA4805-1AKSZ			n SC70-6	Fast op	
X1/X2/R24	RESISTOR	20	1% 1/10		0603	Resistor
X1/X2/C16 r	CAPACITOR	1uF	10WVDC	X'/R	0805	Ceramic capacito
X1/X2/C4a	CAPACITOR	30pF	5% NP0	Vitreous	0505	Ceramic capacito
r X1/X2/C2	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X1/X2/R11	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X2/K11 X1/X2/U12	MAX4594DCKR	unknown				alog switch
X1/X2/012 X1/X2/C17	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
Thursday May 07, 00		U.IUF	TOMADO	27 / 17	0000	Ceramic Capacito

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r						<u> </u>
X1/X2/R38	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/U11	MAX4594DCKR	unknown				alog switch
X1/X2/C6	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CHILICITOR	0.141	TOWVEC	21 / 10	0005	ceramic capacito
X1/X2/U3	MAX4594DCKR	unknown	unknowr	sc70	SPST ana	alog switch
X1/X2/R25	RESISTOR	1.00Meg		0603	Resisto	
X1/X2/R19	RESISTOR	62	5% 0.15		0805	Resistor
X1/X2/R15	RESISTOR	3.00k	1%	0603	Resisto	
X1/X2/C12	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CHILICITOR	0.141	TOWARC	21 / 10	0005	ceramic capacito
x1/x2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r	CHILICITOR	<b></b>	SOWVEC		0005	ceramic capacito
X1/X2/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r	0111110111011		3011120		0005	ceramic capacito
x1/x2/R14	RESISTOR	46.4	1% 1/10	)W	0603	Resistor
X1/X2/U9	AD7984BRMZ	unknown			ADC	11001001
X1/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X1/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r	0111110111011	2111	23,,,,,	11,10	0005	ceramic capacito
x1/x2/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r		-				
X1/X2/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/R12	RESISTOR	3.00k	1%	0603	Resisto	
X1/X2/U7	MAX4594DCKR	unknown				alog switch
X1/X2/C4	CAPACITOR	100pF		Vitreous	0505	Ceramic capacito
r						
X1/X2/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X2/R9	RESISTOR	3.00k	1%	0603	Resisto	
X1/X2/R8	RESISTOR	0	1%	0603	Resisto	
X1/X2/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X1/X1/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X1/X1/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r						
X1/X1/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X1/R28	RESISTOR	3.01k	1% 1/10	)W	0603	Resistor
X1/X1/R6	RESISTOR	1	1% 1/10		0603	Resistor
X1/X1/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	-				-	
X1/X1/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or				-		11, 11, 11, 11, 11, 11, 11, 11, 11, 11,
X1/X1/R39	RESISTOR	15.0k	1% 1/10	) W	0603	Resistor
X1/X1/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X1/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r						
X1/X1/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r	-	: <del>-</del>	9			1 1 1 2 1 3 2 3 3
X1/X1/R33	RESISTOR	330	1% 1/10	) W	0603	Resistor
X1/X1/R20	RESISTOR	1	1/4W	1206	Resisto	
X1/X1/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						-
X1/X1/R26	RESISTOR	1.05k	1% 1/10	) W	0603	Resistor
X1/X1/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						
X1/X1/U10	DUAL_OPAMP	LM6142A	IM	N/A	SO8	generic dual ope
rational amplif				•		
X1/X1/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
00/00						<u>.</u>

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r			eo.bom.txt		
X1/X1/R18 X1/X1/C13	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X1/X1/R17 X1/X1/C11	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X1/X1/R16 X1/X1/C5	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X1/X1/R5 X1/X1/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X1/X1/R21 X1/X1/C8	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X1/X1/R22 X1/X1/C7	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X1/X1/R23 X1/X1/R42 X1/X1/R1 X1/X1/Q2 X1/X1/C22	RESISTOR RESISTOR RESISTOR MMBFJ309 CAPACITOR	330 4.32k 4.32k unknown 0.1uF	1% 1/10W 1% 1/10W 1% 1/10W unknown SOT23 16WVDC X7R	0603 0603 0603 n-channo 0603	Resistor Resistor Resistor el jfet Ceramic capacito
r X1/X1/R13 X1/X1/R41 X1/X1/U6 X1/X1/U8 X1/X1/U5 X1/X1/U4 X1/X1/R24 X1/X1/C16	RESISTOR RESISTOR ADA4805-1AKSZ ADA4805-1AKSZ ADA4805-1AKSZ ADA4805-1AKSZ RESISTOR CAPACITOR	unknown unknown	1% 1/10W 1% 0603 unknown SC70-6 unknown SC70-6 unknown SC70-6 unknown SC70-6 1% 1/10W 10WVDC X7R	0603 Resistor Fast operated op	amp amp amp
r   X1/X1/C4a   r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X1/X1/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X1/R11 X1/X1/U12 X1/X1/C17	RESISTOR MAX4594DCKR CAPACITOR	2.00k unknown 0.1uF	1% 0603 unknown SC70 16WVDC X7R	Resistor SPST and 0603	r alog switch Ceramic capacito
X1/X1/R38 X1/X1/U11 X1/X1/C6	RESISTOR MAX4594DCKR CAPACITOR	3.00k unknown 0.1uF	1% 0603 unknown SC70 16WVDC X7R		r alog switch Ceramic capacito
X1/X1/U3 X1/X1/R25 X1/X1/R19 X1/X1/R15 X1/X1/C12	MAX4594DCKR RESISTOR RESISTOR RESISTOR CAPACITOR	unknown 1.00Meg 62 3.00k 0.1uF	unknown SC70 1% 0603 5% 0.15W 1% 0603 16WVDC X7R	SPST and Resistor 0805 Resistor 0603	Resistor
X1/X1/R4 X1/X1/C20	RESISTOR CAPACITOR	3.00k 1nF	1% 0603 50WVDC COG	Resistor 0603	r Ceramic capacito
r   X1/X1/C21   r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X1/X1/R14 X1/X1/U9	RESISTOR AD7984BRMZ	46.4 unknown	1% 1/10W unknown MSOP10	0603 ADC	Resistor

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X1/X1/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X1/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r				
X1/X1/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r				
X1/X1/R10	RESISTOR	3.00k	1% 0603	Resistor
X1/X1/R12	RESISTOR	3.00k	1% 0603	Resistor
X1/X1/U7	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X1/X1/C4	CAPACITOR	100pF	5% NPO Vitreou	s 0505 Ceramic capacito
r				
X1/X1/R2	RESISTOR	2.00k	1% 0603	Resistor
X1/X1/R9	RESISTOR	3.00k	1% 0603	Resistor
X1/X1/R8	RESISTOR	0	1% 0603	Resistor
X1/X1/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic capacitor

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1 Chain.1.ps sheets	1 to	1 ( 1) pages	1- 1	1 lines	
2 Chain.2.ps sheets	1 to	2 ( 2) pages	1- 2	1 lines	
3 DrainRegulator.ps sheets	2 to	3 ( 2) pages	2- 3	1 lines	
4 PerChip.1.ps sheets	3 to	4 ( 2) pages	3- 4	1 lines	
5 <i>PerChip.2.ps</i> sheets	4 to	5 ( 2) pages	4- 5	1 lines	
6 PerChip.3.ps sheets	5 to	6 ( 2) pages	5- 6	1 lines	
7 <i>PerChip.4.ps</i> sheets	6 to	7 ( 2) pages	6- 7	1 lines	
8 <i>PerChip.5.ps</i> sheets	7 to	8 ( 2) pages	7- 8	1 lines	
9 <i>PerChip.6.ps</i> sheets	8 to	9 ( 2) pages	8- 9	1 lines	
10 PerChip.7.ps sheets	9 to	10 ( 2) pages	9- 10	1 lines	
11 PerChip.8.ps sheets	10 to	11 ( 2) pages	10- 11	1 lines	
12 Pump.ps sheets	11 to	12 ( 2) pages	11- 12	1 lines	
13 <i>Video.1.ps</i> sheets	12 to	13 ( 2) pages	12- 13	1 lines	
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15 <i>Video.3.ps</i> sheets	14 to	15 ( 2) pages	14- 15	1 lines	
16 Video.4.ps sheets	15 to	16 ( 2) pages	15- 16	1 lines	
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18 <i>Video.6.ps</i> sheets	17 to	18 ( 2) pages	17- 18	1 lines	
19 <i>Video.7.ps</i> sheets	18 to	19 ( 2) pages	18- 19	1 lines	
20 <i>Video.8.ps</i> sheets	19 to	20 ( 2) pages	19- 20	1 lines	
21 <i>Video.bom.txt</i> sheets	21 to	62 (42) pages	21- 62	1926 lines	