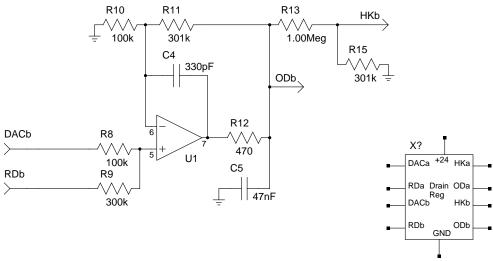
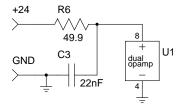


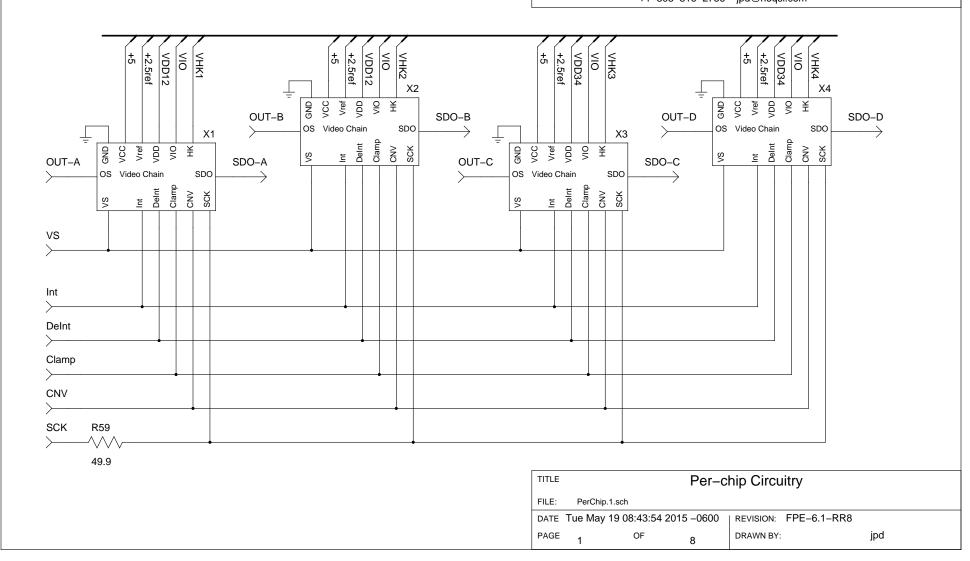
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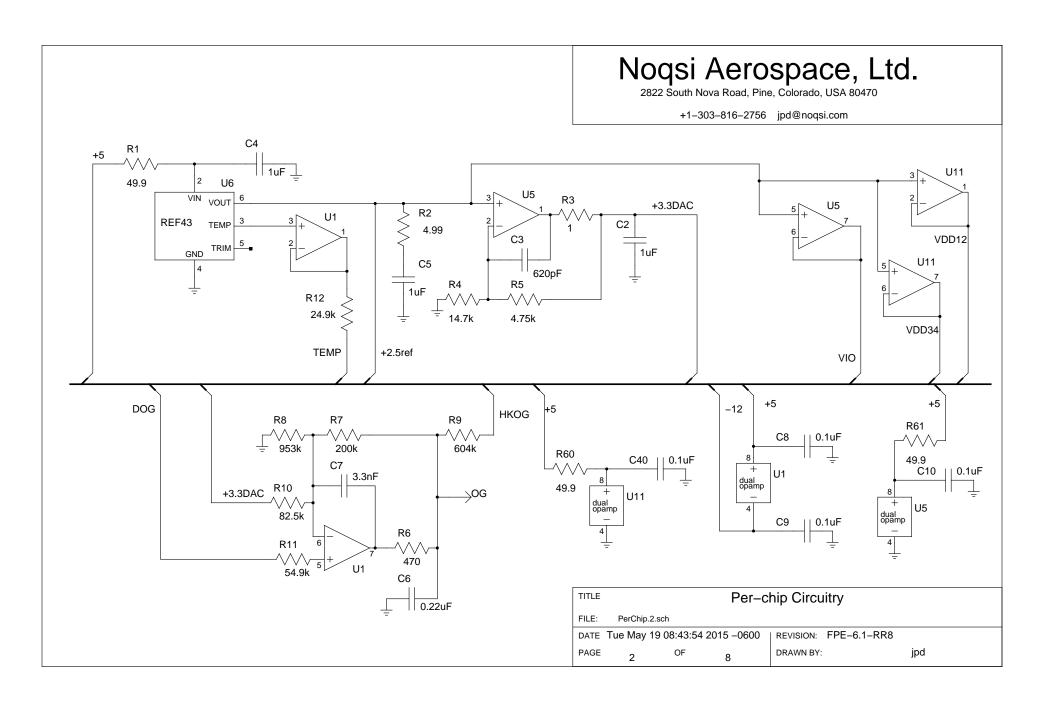


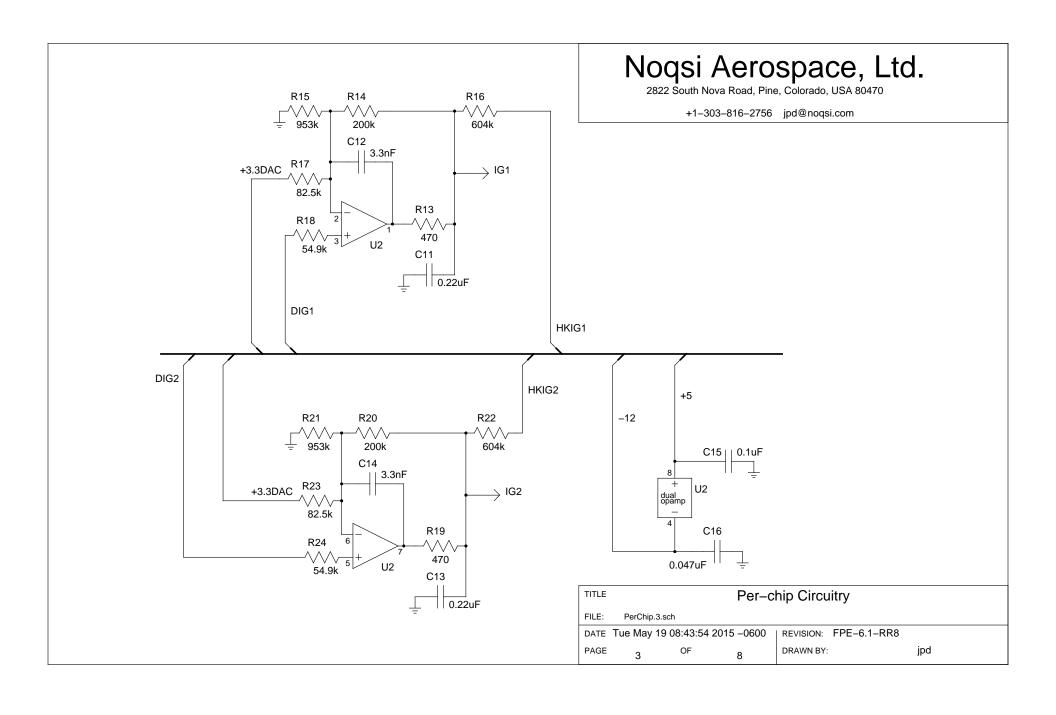


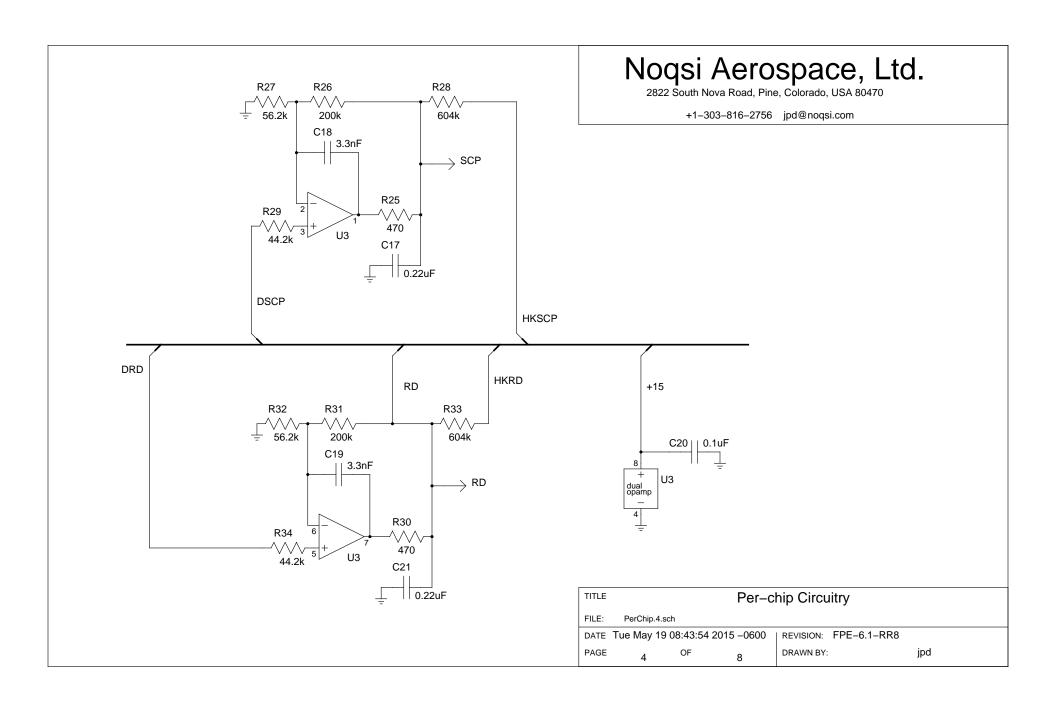
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FILE:	DrainRegulator.sch						
DATE	Tue May 19 08:43:54	2015 –0600	REVISION:	FPE-6.1-RR8			
PAGE	1 OF	1	DRAWN BY:		jpd		

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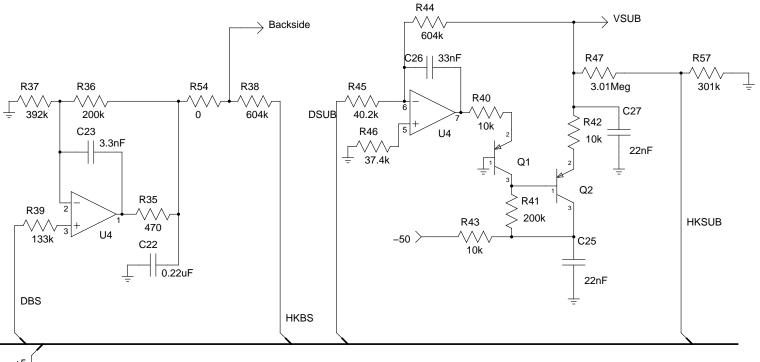


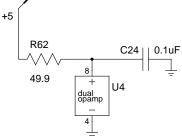
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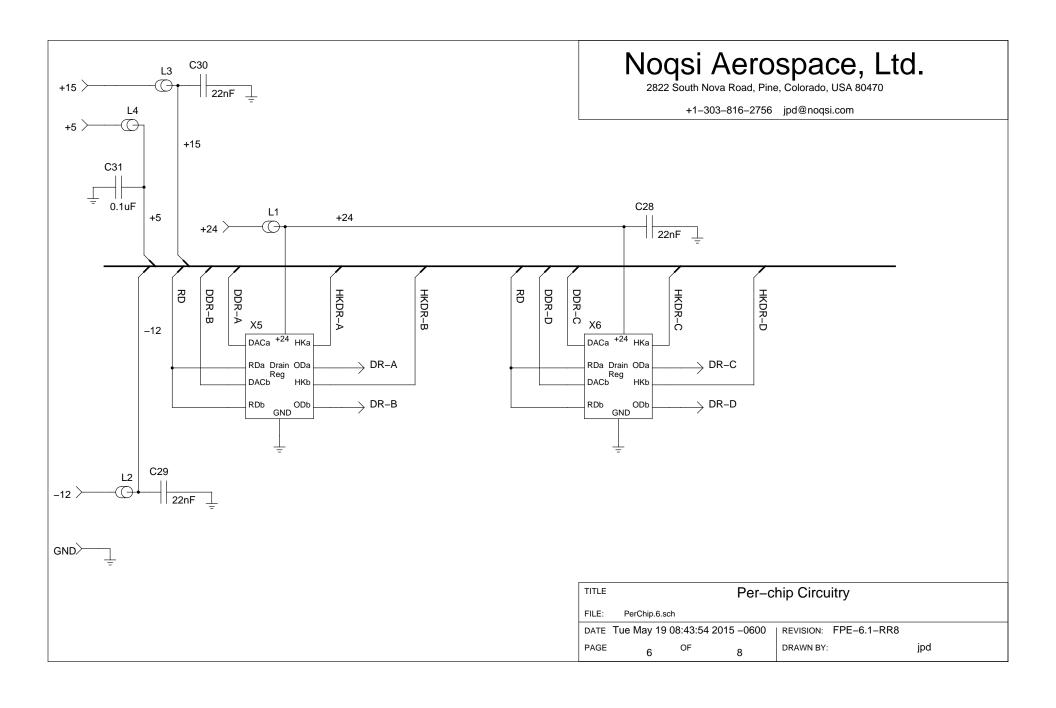
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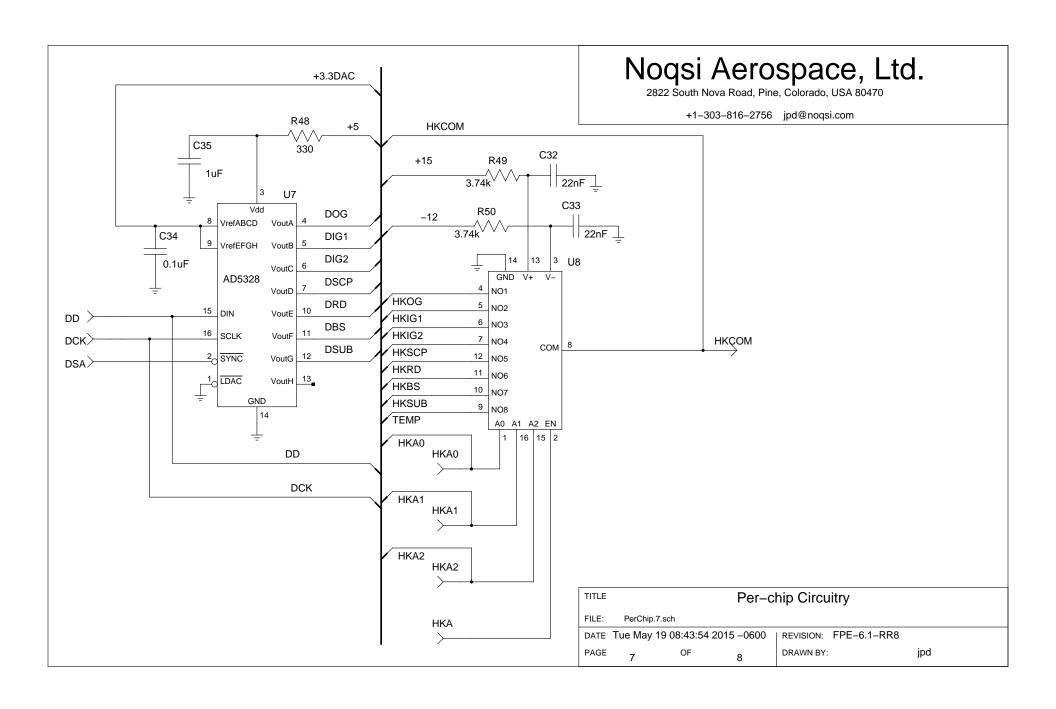
For a focal plane with common backside connections, populate R54 only for the channel you want to have control the backside bias.

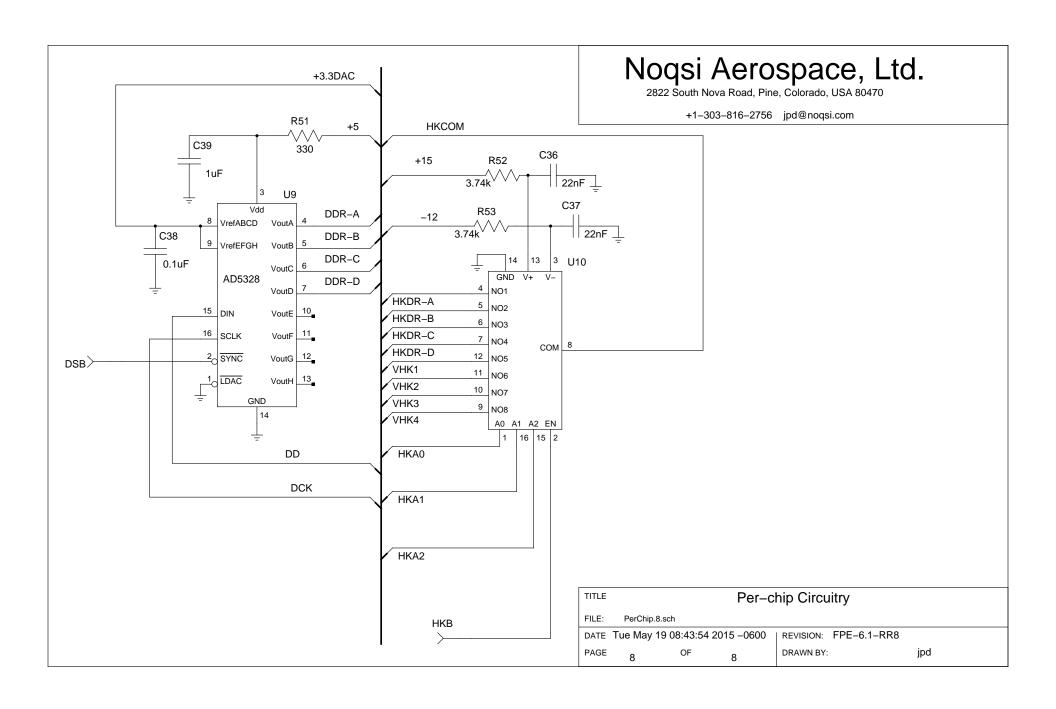


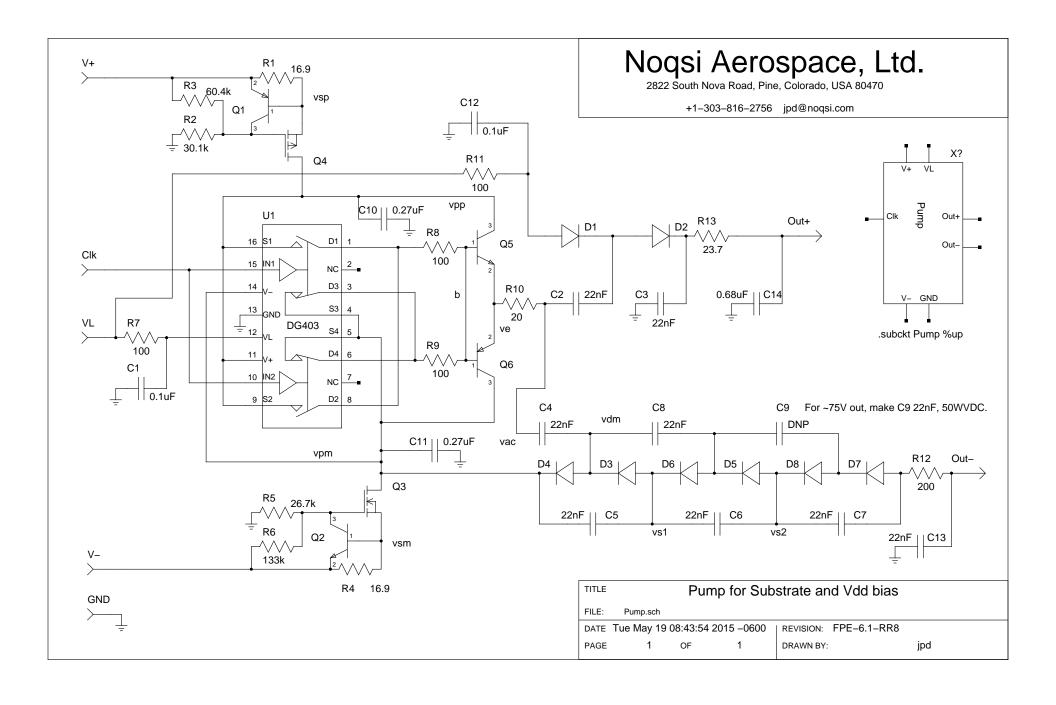


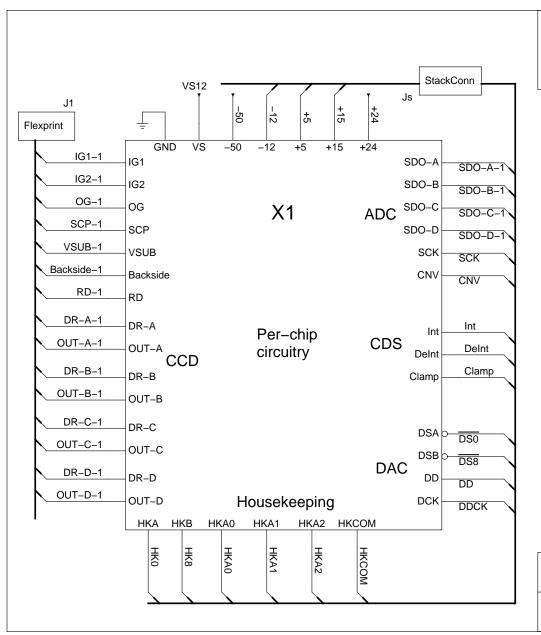
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FILE:	PerChip.5.	sch							
DATE	Tue May 1	9 08:43:54 2	2015 –0600	REVISION:	FPE-6.1-RR8				
PAGE	5	OF	8	DRAWN BY:		jpd			





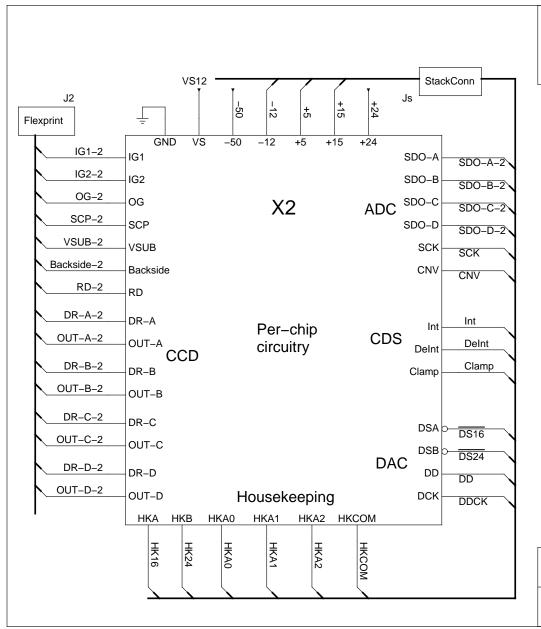






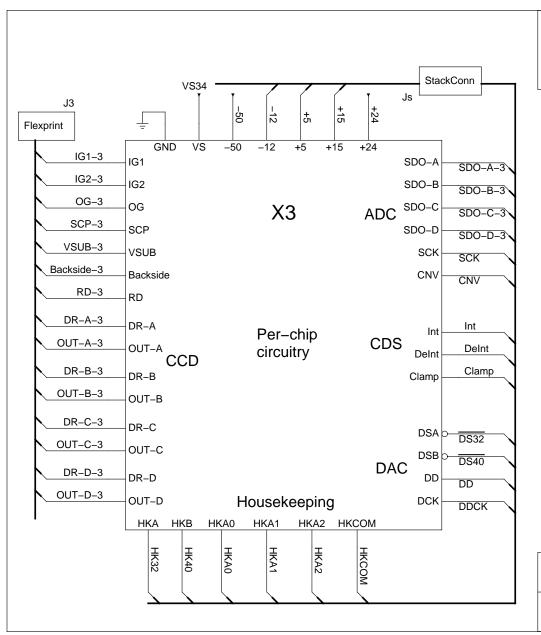
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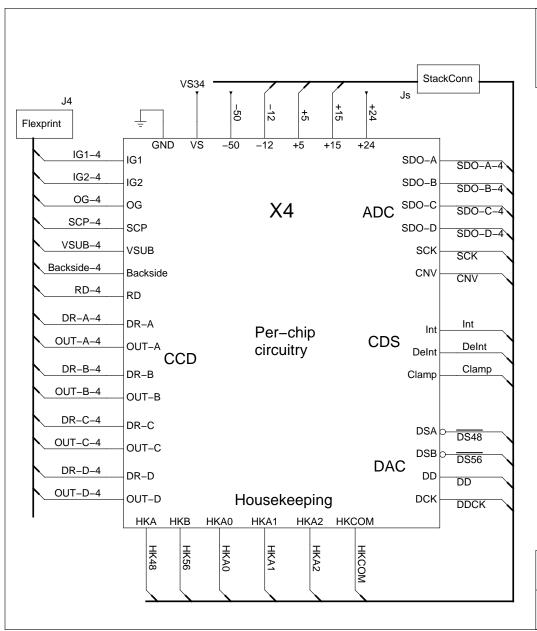
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TITLE		Video Board							
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DATE	Tue May 19	08:43:54	2015 –0600	REVISION: FPE-6.1-RR8					
PAGE	2	OF	8	DRAWN BY:	jpd				



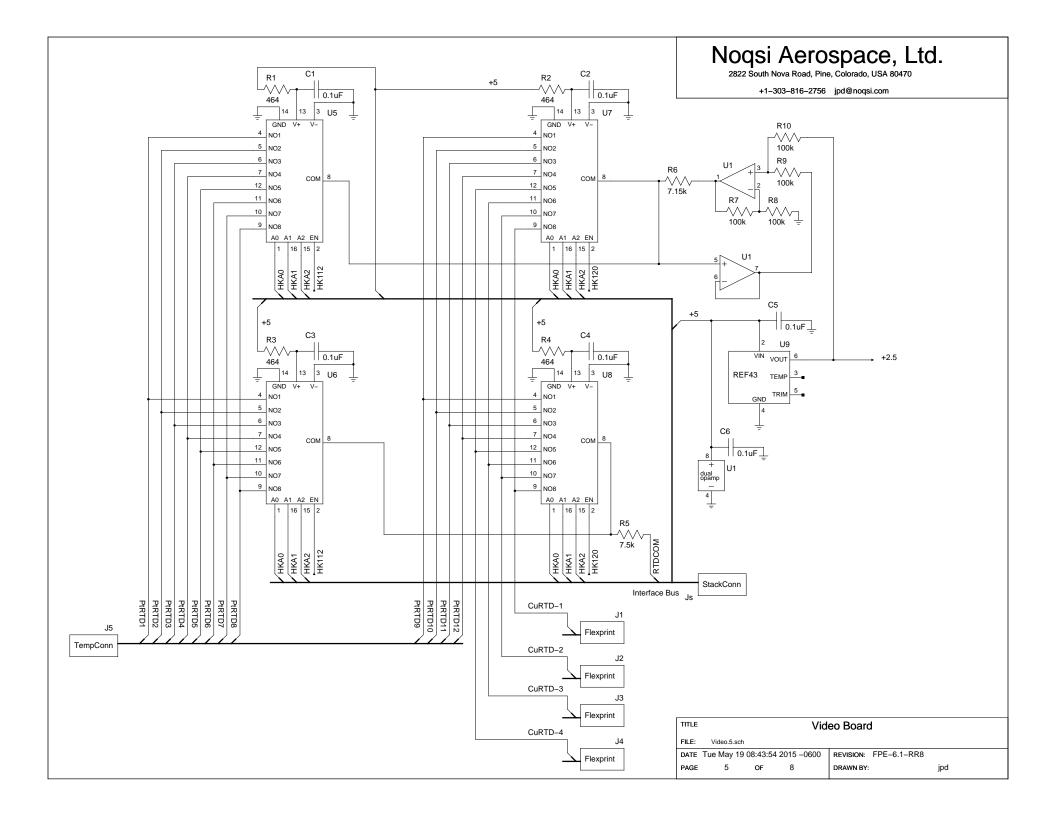
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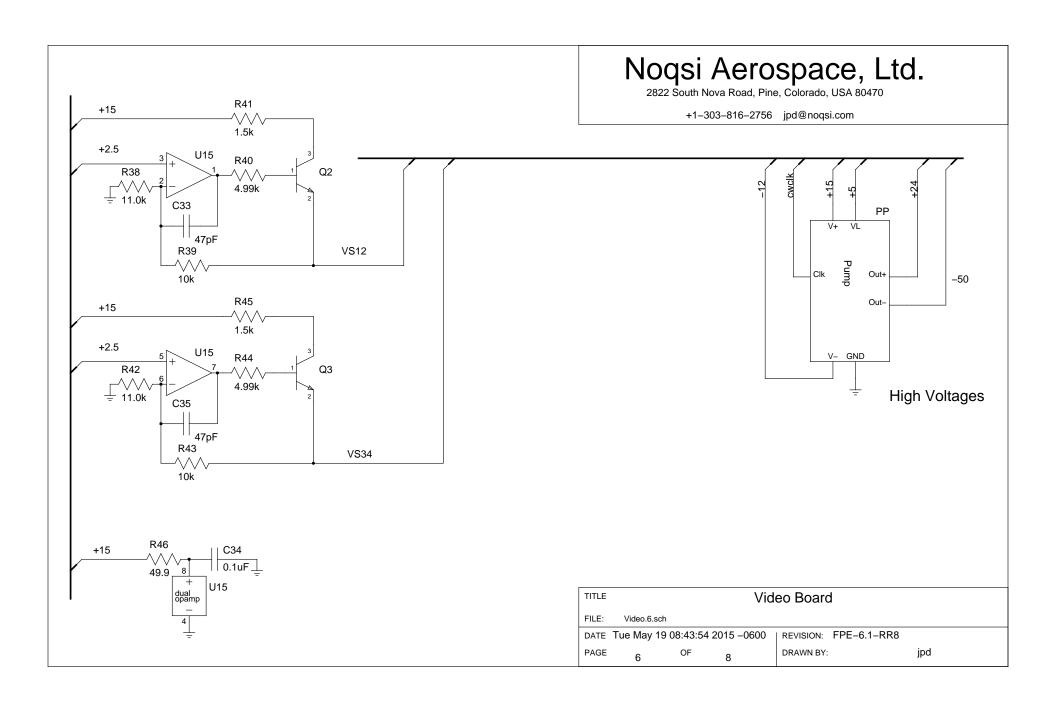
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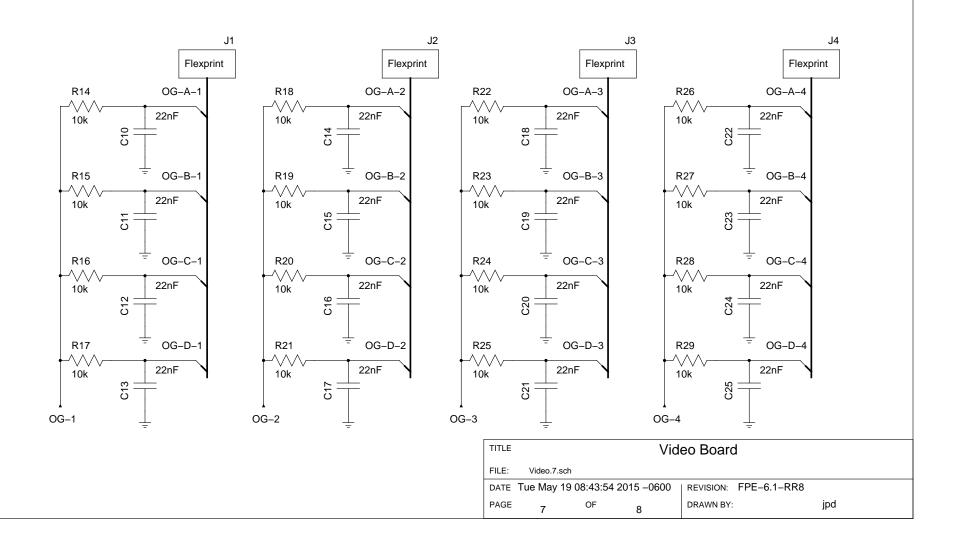
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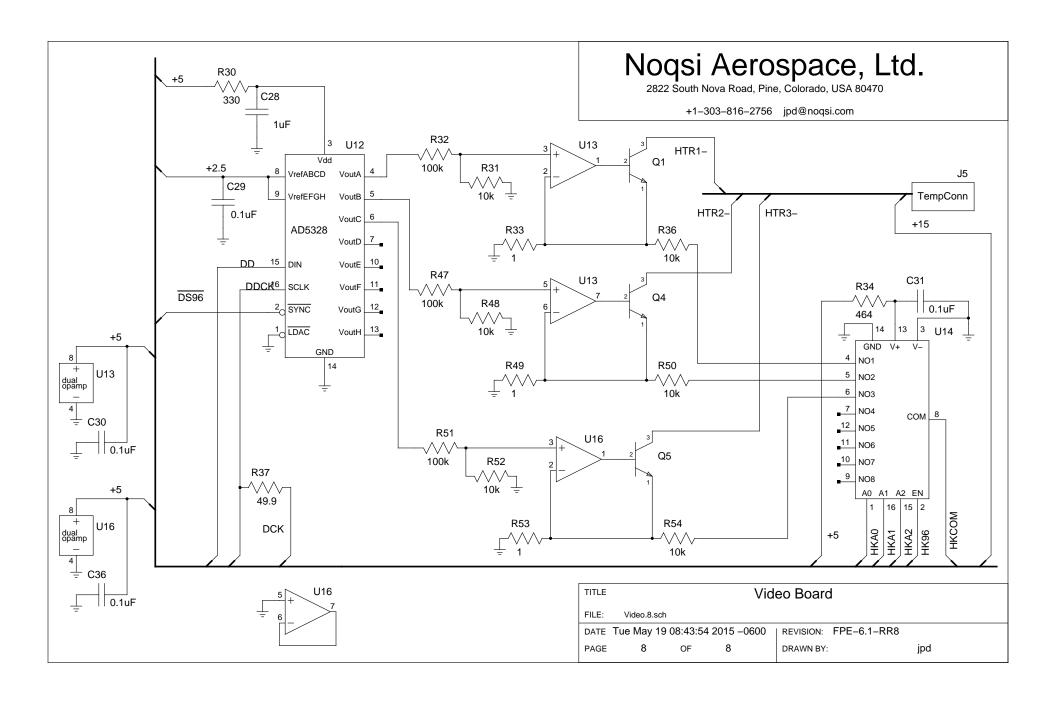
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			\ <i>!</i>	4 4		
	15 10:10		Video.bom.	txt		Page 1/42
refdes	device value	spec	footprint	descript		
C30	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
R54	RESISTOR	10k	1% 1/10W	0603	Resistor	
R53	RESISTOR	1	1% 1/10W	0603	Resistor	
Q5	LM195H unknown			0.500		
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			0.600	- · ·	
R47	RESISTOR	100k	1% 1/10W	0603	Resistor	
R48	RESISTOR	10k	1% 1/10W	0603	Resistor	
U16	DUAL_OPAMP	LT2078A1		S08	unknown	
C36	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
R36	RESISTOR	10k	1% 1/10W	0603	Resistor	
R33	RESISTOR	1	1% 1/10W	0603	Resistor	
Q1	LM195H unknown			0603	Danis at an	
R32	RESISTOR	100k	1% 1/10W	0603	Resistor	
R31	RESISTOR	10k	1% 1/10W	0603	Resistor	
U13	DUAL_OPAMP	LT2078AI		SO8	unknown	
C28	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacit	or
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	or
R34	RESISTOR	464	1% 1/10W	0603	Resistor	
U14	MAX308CSE+		unknown S016		analog mux	0.70
C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
U12		10k	TSSOP16 Octal D		Resistor	
R17 C13	RESISTOR CAPACITOR	22nF	1% 1/10W 50WVDC X7R	0603 0603	Ceramic capacit	016
R16	RESISTOR	10k	1% 1/10W	0603	Resistor	OL
C12	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	016
R15	RESISTOR	10k	1% 1/10W	0603	Resistor	OL
C11	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	٥x
R14	RESISTOR	10k	1% 1/10W	0603	Resistor	OI
C10	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R21	RESISTOR	10k	1% 1/10W	0603	Resistor	OI
C17	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R20	RESISTOR	10k	1% 1/10W	0603	Resistor	OI
C16	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R19	RESISTOR	10k	1% 1/10W	0603	Resistor	O1
C15	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R18	RESISTOR	10k	1% 1/10W	0603	Resistor	
C14	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R25	RESISTOR	10k	1% 1/10W	0603	Resistor	<del></del>
C21	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R24	RESISTOR	10k	1% 1/10W	0603	Resistor	= -
C20	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R23	RESISTOR	10k	1% 1/10W	0603	Resistor	- =
C19	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R22	RESISTOR	10k	1% 1/10W	0603	Resistor	
C18	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R29	RESISTOR	10k	1% 1/10W	0603	Resistor	
C25	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R28	RESISTOR	10k	1% 1/10W	0603	Resistor	
C24	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R27	RESISTOR	10k	1% 1/10W	0603	Resistor	
C23	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R26	RESISTOR	10k	1% 1/10W	0603	Resistor	
I						

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C22	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R46	RESISTOR	49.9	1% 1/10W	0603	Resistor	
C35	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacit	or
C33	CAPACITOR	47pF		0603	Ceramic capacit	
R45	RESISTOR	1.5k	1% 1/4W 0603	Resisto	_	
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 capacit	or
R41	RESISTOR	1.5k	1% 1/4W 0603	Resisto		
R40	RESISTOR	4.99k	1% 1/10W	0603	Resistor	
Q2	NPN_TRANSISTOR				unknown	
R39	RESISTOR	10k	1% 1/10W	0603	Resistor	
R38	RESISTOR	11.0k	1% 1/10W	0603	Resistor	
U15	DUAL_OPAMP	LM6142A		S08	generic dual op	erational
	ier, SO8			200	Jene	0_0.0_0.10.
_	CAPACITOR	0.68uF	50WVDC X7R	1812	Ceramic capacit	or
	RESISTOR	23.7	1% 1/10W	0603	Resistor	- =
	CAPACITOR	22nF	100WVDC X7R	0805	Ceramic capacit	or
	RESISTOR	200	1% 1/10W	0603	Resistor	<b>-</b>
	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
PP/R11	RESISTOR	100	5% 1/4W 1206	Resisto		<u>-</u>
PP/C10	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacit	or
PP/R3	RESISTOR	60.4k	1% 1/10W	0603	Resistor	01
PP/R2	RESISTOR	30.1k	1% 1/10W	0603	Resistor	
PP/R1	RESISTOR	16.9	1% 1/10W	0603 0603 0603	Resistor	
PP/Q4	PMOS_TRANSISTOR				generic P chann	el MOS tr
	r (enhancement t		0	. 10101111	301101 10 1 011011111	01 1100 01
PP/Q1	PNP_TRANSISTOR		7A unknown	UB	unknown	
PP/C11	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacit	or
PP/C9	CAPACITOR			0603	Ceramic capacit	
	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	
		22nF	50WVDC X7R	0603	Ceramic capacit	
		22nF	50WVDC X7R	0603	Ceramic capacit	
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 capacit	or
PP/D3	DIODE 1N914UR		DO213AA Signal			
PP/C4	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D2	DIODE 1N914UR		DO213AA Signal			- <del>-</del>
PP/C3	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/R10	RESISTOR	20	1% 1/10W	0603	Resistor	- <del>-</del>
PP/C2	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D1	DIODE 1N914UR		DO213AA Signal		columno capacit	<u>-</u>
PP/R9	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/Q6	PNP_TRANSISTOR				unknown	
PP/R8	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/Q5	NPN_TRANSISTOR				unknown	
PP/R7	RESISTOR	100	5% 1/10W	0603	Resistor	
PP/C1	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
PP/U1		unknown		DT switc		<u>-</u>
PP/R6	RESISTOR	133k	1% 1/10W	0603	Resistor	
PP/RO 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 chann	el MOS +~
/25	14110D_11(AII)D1D1OI(		., unitinowii	. 10232AA	generic in chann	CT 1.100 CT

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	r (enhancement ty	me)			9
PP/Q2	NPN_TRANSISTOR	MMBT2222	2A unknov	vn IJB	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	
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
C3	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
R4	RESISTOR	464	1% 1/10W	0603	Resistor
R3	RESISTOR	464	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 MDM31E		
U8	MAX308CSE+		unknown S016		analog mux
U7	MAX308CSE+		unknown S016		analog mux
U6	MAX308CSE+		unknown S016		analog mux
U5	MAX308CSE+		unknown S016		analog mux
R1 C1	RESISTOR	464	1% 1/10W 16WVDC X7R	0603 0603	Resistor
J4	CAPACITOR Flexprint	0.1uF	unknown NK-2M2		Ceramic capacitor Airborne 51 pin connecto
r	riexprinc	ulikilowii	UIIKIIOWII INK-ZMZ	2-031	Aliborne 31 pin connecto
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	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/C38	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
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		
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 50WVDC X7R	0603 0603	Ceramic capacitor
X4/C33 X4/U8	CAPACITOR MAX308CSE+	22nF	unknown S016		Ceramic capacitor analog mux
X4/08 X4/C32	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U7			TSSOP16 Octal		Ceramic Capacitor
X4/C31	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X4/L4	EXC-3BB102H		unknown 0603	EMI chi	
X4/C30	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/L3	EXC-3BB102H		unknown 0603	EMI chi	
	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
	EXC-3BB102H		unknown 0603	EMI chi	
X4/L1	EXC-3BB102H	unknown	unknown 0603	EMI chi	p
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/U	<del>-</del>		LT2078AIS8	N/A	SO8 unknown
X4/X6/R3			1.00Meg 1%	0603	Resistor
X4/X6/R8			100k 1%	0603	Resistor
X4/X6/R9	9 RESISTOR	ζ.	300k 1%	0603	Resistor

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X4/X6/R10	RESISTOR	?	100k	1%	0603	Resisto	r
X4/X6/R11	RESISTOR		301k	1%	0603	Resistor	
X4/X6/C4	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	CHILICITO	,10	330PI	SOWVEC	21 / 10	0005	cciamic capacito
X4/X6/R12	RESISTOR	)	470	1% 1/10	) TAT	0603	Resistor
X4/X6/C5	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r	CAFACIIC	/IC	4 / III.	JOWVDC	X/IC	0005	ceramic capacito
x4/x6/c3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
r	0111110110	,10	22111	SOWVEC	21 / 10	0005	ceramic capacito
X4/X6/R6	RESISTOR	)	49.9	1% 1/10	) W	0603	Resistor
X4/X6/R7	RESISTOR		1.00Meg	•	0603	Resisto	
X4/X6/R1	RESISTOR		100k	1%	0603	Resistor	
X4/X6/R2	RESISTOR		300k	1%	0603	Resistor	
X4/X6/R3	RESISTOR		100k	1%	0603	Resistor	
X4/X6/R4	RESISTOR		301k	1%	0603	Resistor	
X4/X6/C1	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	0111110110		000F1	3311123			ouramine caracies
X4/X6/R5	RESISTOR	)	470	1% 1/10	) W	0603	Resistor
X4/X6/C2	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r	0111110110	,10	1 / 111	SOWVEC	21 / 10	0005	ceramic capacito
X4/X5/R14	RESISTOR	)	301k	1%	0603	Resisto	r
X4/X5/R15	RESISTOR		301k	1%	0603	Resistor	
X4/X5/U1	DUAL_OPA		LT2078A		N/A	SO8	unknown
X4/X5/R13	RESISTOR		1.00Meg		0603	Resisto	
X4/X5/R8	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R9	RESISTOR		300k	1%	0603	Resistor	
X4/X5/R10	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R11	RESISTOR		301k	1%	0603	Resistor	
X4/X5/C4	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	CAPACITO	)K	330PF	JOWADC	X/K	0003	Ceramic Capacito
X4/X5/R12	RESISTOR	)	470	1% 1/10	) TAT	0603	Resistor
X4/X5/C5	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r	CHILICITO	,10	1 / 111	SOWVEC	21 / 10	0005	cciamic capacito
x4/x5/c3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
r	0111110110	,10	22111	SOWVEC	21 / 10	0005	ceramic capacito
X4/X5/R6	RESISTOR	)	49.9	1% 1/10	) W	0603	Resistor
X4/X5/R7	RESISTOR		1.00Meg		0603	Resisto	
X4/X5/R1	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R2	RESISTOR		300k	1%	0603	Resistor	
X4/X5/R3	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R4	RESISTOR		301k	1%	0603	Resistor	
X4/X5/C1	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	0111110110	,11	330P1	3011120	11,10	0005	ceramic capacite
X4/X5/R5	RESISTOR	2	470	1% 1/10	) W	0603	Resistor
X4/X5/C2	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r							
X4/R62 RESISTO	R	49.9	1% 1/10W	Ī	0603	Resisto	<u></u>
X4/R57 RESISTO		301k	1%	0603	Resisto		
X4/R54 RESISTO		0	1%	0603	Resisto		
X4/R47 RESISTOR		3.01Meg		0603	Resisto		
X4/R46 RESISTO		37.4k	1%	0603	Resisto		
X4/C27 CAPACITO		22nF	100WVDC		0805		capacitor
X4/R45 RESISTO		40.2k	1%	0603	Resisto		<u>-</u>
X4/C26 CAPACITO		33nF	25WVDC 2		0603		capacitor
X4/R44 RESISTO		604k	1%	0603	Resisto		_
X4/R43 RESISTO		10k	1%	0603	Resisto		
X4/C25 CAPACITO		22nF	100WVDC		0805		capacitor
X4/R42 RESISTOR		10k	1%	0603	Resisto		
			unknown		unknown		
			3 VV 11				

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X4/R41	RESISTOR	200k	1%	0603	Resisto	r
	RESISTOR	10k	1%	0603	Resisto	r
X4/Q1	PNP_TRANSISTOR	PMBTA92	unknown	UB	unknown	
	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/R39	RESISTOR	133k	1%	0603	Resisto:	
X4/U4	DUAL_OPAMP	LM6142A	IM	N/A	SO8	generic dual operational
amplif:	ier, SO8					_
X4/R38	RESISTOR	604k	1%	0603	Resisto:	r
X4/R37	RESISTOR	392k	1%	0603	Resisto:	r
X4/R36	RESISTOR	200k	1%	0603	Resisto:	
	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
	RESISTOR	470	1% 1/10		0603	Resistor
X4/C22	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/U3	DUAL_OPAMP	LT2078A		N/A	S08	unknown
	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
	RESISTOR	44.2k	1%	0603	Resisto	
	RESISTOR	604k	1%	0603	Resisto	
	RESISTOR	56.2k	1%	0603	Resisto	
	RESISTOR	200k	1%	0603	Resisto	
	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
X4/R30	RESISTOR	470	1% 1/10		0603	Resistor
X4/R29	RESISTOR	44.2k	1%	0603	Resisto:	
X4/R28	RESISTOR RESISTOR	604k 56.2k	1% 1%	0603 0603	Resisto:	
X4/R27 X4/R26	RESISTOR	200k	1%	0603	Resisto	
	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
	RESISTOR	470	1% 1/10		0603	Resistor
X4/R23	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/U2	DUAL_OPAMP	LT2078A		N/A	SO8	unknown
	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
	CAPACITOR		50WVDC		0603	Ceramic capacitor
	RESISTOR	54.9k	1%	0603	Resisto	
	RESISTOR	82.5k	1%	0603	Resisto:	r
X4/R22	RESISTOR	604k	1%	0603	Resisto:	r
X4/R21	RESISTOR	953k	1%	0603	Resisto	r
X4/R20	RESISTOR	200k	1%	0603	Resisto:	r
X4/C14	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
· ·	RESISTOR	470	1% 1/10		0603	Resistor
	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
	RESISTOR	54.9k	1%	0603	Resisto	
X4/R17	RESISTOR	82.5k	1%	0603	Resisto	
X4/R16	RESISTOR	604k	1%	0603	Resisto	
X4/R15	RESISTOR	953k	1%	0603	Resisto	
X4/R14	RESISTOR	200k	1%	0603	Resisto:	
X4/C12	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
X4/R13	RESISTOR	470	1% 1/10		0603	Resistor
X4/C11	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/R60 X4/R61	RESISTOR RESISTOR	49.9 49.9	1% 1/10 1% 1/10		0603 0603	Resistor Resistor
X4/R61 X4/C40	CAPACITOR	49.9 0.1uF	25WVDC		0603	Ceramic capacitor
X4/C40 X4/U11	DUAL_OPAMP	LM6142A		N/A	SO8	generic dual operational
	ier, SO8	LINO L 4 ZA.	T1,1	IN / FA	200	Actiente duat oberacional
X4/U1	DUAL_OPAMP	LT2078A	TS8	N/A	S08	unknown
X4/R12	RESISTOR	24.9k	1% 1/10		0603	Resistor
X4/C10	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/C9	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/C8	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/R11	RESISTOR	54.9k	1%	0603	Resisto	
'			-			

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X4/R10	RESISTOR	 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	CAPACITO		0.22uF	25WVDC		1206		capacitor
X4/U5	DUAL OP		LM6142A		N/A	S08		dual operational
	ier, SO8	. 11 11	1110112111		14/11	500	generie	addi operacionai
X4/R5	RESISTO	₹	4.75k	1% 1/10	M	0603	Resisto	r
X4/C3	CAPACIT		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		4.99	1% 1/10		0603	Resisto	
X4/C4	CAPACIT		luF	10WVDC		0805		capacitor
X4/R1	RESISTO		49.9	1% 1/10		0603	Resisto	
X4/U6	REFEREN			N/A	S08	2.5V Re		_
X4/R59	RESISTOR		49.9	1% 1/10		0603	Resisto	r
X4/X4/R2		RESISTOR		44.2k	1% 1/10		0603	Resistor
X4/X4/C		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	З.	3.01k	1% 1/10	W	0603	Resistor
X4/X4/R6		RESISTO		1	1% 1/10		0603	Resistor
X4/X4/C		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r X4/X4/C			ED_CAPACI		47uF	15WVDC	2711	Tantalum capacit
or								
X4/X4/R3	39	RESISTO	?	15.0k	1% 1/10	W	0603	Resistor
X4/X4/R4	40	RESISTO	?	3.01k	1% 1/10	W	0603	Resistor
x4/x4/C	28	CAPACITO	OR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
x4/x4/C	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	33	RESISTO	3	330	1% 1/10	W	0603	Resistor
X4/X4/R2		RESISTO		1	1/4W	1206	Resisto	r
X4/X4/C	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	10	DUAL_OPA	AMP	LM6142A	IM	N/A	S08	generic dual ope
	l amplif:							
x4/x4/C	14	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	18	RESISTO	2	5.11	1% 1/10	W	0603	Resistor
X4/X4/C	13	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								-
X4/X4/R3	17	RESISTO	2	5.11	1% 1/10	W	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		<del> </del>		51220 OSF 0.0100
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% 1/10W 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
X4/X4/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X4/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r				
X4/X4/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
r   X4/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAPACITOR	0.1ur	IOWVDC X/K	0003 Ceramic Capacico
X4/X4/R11	RESISTOR	2.00k	1% 0603	Resistor
X4/X4/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X4/X4/R38	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X4/X4/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
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	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				_
X4/X4/R4	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r x4/x4/001		1	FOLTING COC	0602
X4/X4/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
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	DDGTG-3-	2 22:	10 0.555	
X4/X4/R10	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/R12	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/U7 X4/X4/C4	MAX4594DCKR CAPACITOR	unknown 100pF	unknown SC70 5% NPO Vitreous	SPST analog switch 0505 Ceramic capacito
x4/x4/C4 r	CAPACIIOR	тоорг	2.0 MEO ATCLEOUS	0505 Ceramic CapaCICO
X4/X4/R2	RESISTOR	2.00k	1% 0603	Resistor
X4/X4/R9	RESISTOR	3.00k	1% 0603	Resistor
Marka and an Mari OO				

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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	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r 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
X4/X3/C25 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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   r	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
r x4/x2/p5	DEGLEROD	г 11	10 1/1077	0.603	Do and ant and
X4/X3/R5 X4/X3/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r   X4/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r v4/v2/p22		220	1 0 1 / 1 ∩ τ.τ	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 X4/X3/C22	MMBFJ309 CAPACITOR	unknown 0.1uF	unknown SOT23 16WVDC X7R	n-chann 0603	el jiet Ceramic capacito
r X4/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X3/R41	RESISTOR	301k	1% 0603	Resisto:	r
X4/X3/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X4/X3/U8	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	
X4/X3/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	
00/00					

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X4/X3/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp	
X4/X3/R24	RESISTOR	20	1% 1/10W		istor
X4/X3/C16	CAPACITOR	1uF	10WVDC X7R		amic capacito
r					
X4/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Cera	amic capacito
x4/x3/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Cera	amic capacito
r x4/x2/D11	DEGEGEOR	0 001-	1.0 0.000	D	
X4/X3/R11	RESISTOR	2.00k	1% 0603	Resistor	ما د د د د
X4/X3/U12	MAX4594DCKR		unknown SC70	SPST analog	
X4/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Cera	amic capacito
X4/X3/R38	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/U11	MAX4594DCKR		unknown SC70	SPST analog	awitah
X4/X3/C6	CAPACITOR	0.1uF	16WVDC X7R		amic capacito
r	CAFACITOR	O.Iur	TOWVDC X/K	0003 CEI	amic capacito
X4/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog	switch
X4/X3/R25	RESISTOR	1.00Meg		Resistor	2.1.2.0011
X4/X3/R19	RESISTOR	62	5% 0.15W		istor
X4/X3/R15	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/C12	CAPACITOR	0.1uF	16WVDC X7R		amic capacito
r					-
X4/X3/R4	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/C20	CAPACITOR	1nF	50WVDC COG	0603 Cera	amic capacito
r					_
X4/X3/C21	CAPACITOR	1nF	50WVDC COG	0603 Cera	amic capacito
r					
X4/X3/R14	RESISTOR	46.4	1% 1/10W		istor
X4/X3/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X3/R7	RESISTOR	DNP	1% 1/10W		istor
X4/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603 Cera	amic capacito
r x4/x2/010		O II		0.000	
X4/X3/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Cera	amic capacito
x4/x3/R10	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/R10 X4/X3/R12	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/U7	MAX4594DCKR	_	unknown SC70	SPST analog	awitch
X4/X3/C4	CAPACITOR	100pF	5% NPO Vitreous		amic capacito
r	C111 11C1 1 OIC	19001	JO NIO VICICOUD	0505 CCI	amic capacito
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	50WVDC 0805	Ceramic capa	acitor
X4/X2/R27	RESISTOR	44.2k	1% 1/10W		istor
X4/X2/C3	CAPACITOR	4.7uF	10WVDC X7R		amic capacito
r					_
X4/X2/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Cera	amic capacito
r					
X4/X2/R28	RESISTOR	3.01k	1% 1/10W		istor
X4/X2/R6	RESISTOR	1	1% 1/10W		istor
X4/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Cera	amic capacito
r	DOI 10		45 5 45	0011 -	
X4/X2/C30	POLARIZED_CAPAC	TTOR	47uF 15WVDC	2711 Tant	talum capacit
or v4/v2/p20	DEGLOSO	15 01-	10, 1/101.7	0603 5-	:
X4/X2/R39	RESISTOR	15.0k	1% 1/10W		istor
X4/X2/R40	RESISTOR	3.01k	1% 1/10W		istor
X4/X2/C28 r	CAPACITOR	4.7uF	10WVDC X7R	1812 Cera	amic capacito
x4/x2/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Cera	amic capacito
Mada and Marco		J. 1 U.F	1011 VDC 11/10		amic capacito

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r					5
x4/x2/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R20	RESISTOR	1	1/4W 1206	Resisto:	
X4/X2/C23	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	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
r   X4/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   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 r	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-chann	
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	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X4/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X2/U5	ADA4805-1AKSZ		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 r	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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X4/X2/R25	RESISTOR	1.00Meg		Resisto	r

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X4/X2/R19	RESISTOR	62	5% 0.15W	0805 I	Resistor
X4/X2/R15	RESISTOR	3.00k	1% 0603	Resistor	
X4/X2/C12	CAPACITOR	0.1uF	16WVDC X7R		Ceramic capacito
r					
X4/X2/R4	RESISTOR	3.00k	1% 0603	Resistor	
X4/X2/C20	CAPACITOR	1nF	50WVDC COG		Ceramic capacito
r					
X4/X2/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	0111101101		3311123 333		
X4/X2/R14	RESISTOR	46.4	1% 1/10W	0603 I	Resistor
X4/X2/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X2/R7	RESISTOR	DNP	1% 1/10W		Resistor
X4/X2/C18	CAPACITOR	DNP	25WVDC X7R		Ceramic capacito
r	C/11/1011 OIC	DIVI	25WVDC 21710	0005	ceramic capacito
X4/X2/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r	C/11/1011 OIC	ZPI	25WVDC 21710	0005	ceramic capacito
X4/X2/R10	RESISTOR	3.00k	1% 0603	Resistor	
X4/X2/R10 X4/X2/R12	RESISTOR	3.00k	1% 0603	Resistor	
X4/X2/R12 X4/X2/U7	MAX4594DCKR		unknown SC70		log switch
			5% NPO Vitreou		
X4/X2/C4 r	CAPACITOR	100pF	20 MED ATCLEOR	s 0505 (	Ceramic capacito
X4/X2/R2	RESISTOR	2.00k	1% 0603	Resistor	
X4/X2/R9	RESISTOR	3.00k	1% 0603	Resistor	
X4/X2/R8	RESISTOR	0	1% 0603	Resistor	
X4/X2/C1	CAPACITOR	220pF	50WVDC 0805		capacitor
X4/X1/R27	RESISTOR	44.2k	1% 1/10W		Resistor
X4/X1/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 (	Ceramic capacito
r					
X4/X1/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r					
X4/X1/R28	RESISTOR	3.01k	1% 1/10W		Resistor
X4/X1/R6	RESISTOR	1	1% 1/10W		Resistor
X4/X1/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X4/X1/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Fantalum capacit
or					
X4/X1/R39	RESISTOR	15.0k	1% 1/10W		Resistor
X4/X1/R40	RESISTOR	3.01k	1% 1/10W		Resistor
X4/X1/C28	CAPACITOR	4.7uF	10WVDC X7R	1812 (	Ceramic capacito
r					
X4/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X4/X1/R33	RESISTOR	330	1% 1/10W	0603 I	Resistor
X4/X1/R20	RESISTOR	1	1/4W 1206	Resistor	
X4/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X4/X1/R26	RESISTOR	1.05k	1% 1/10W	0603 I	Resistor
X4/X1/C10	CAPACITOR	0.1uF	16WVDC X7R		Ceramic capacito
r					-
X4/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08 9	generic dual ope
rational amplif			·	-	
X4/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	- -	<del>-</del>	- · <del></del>		
X4/X1/R18	RESISTOR	5.11	1% 1/10W	0603 I	Resistor
X4/X1/C13	CAPACITOR	0.1uF	16WVDC X7R		Ceramic capacito
r		J • ± α±	_ 311120 21/10		columno capacito
X4/X1/R17	RESISTOR	5.11	1% 1/10W	0603 I	Resistor
X4/X1/C11	CAPACITOR	0.1uF	16WVDC X7R		Ceramic capacito
r	CLIEVCTION	o. rar	TOMADO VIII	0005	ceramic capacito
Mada ada May 00					04/00

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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	CALACITOR	o.iur	TOWVDC A/IC	0003	cciamic capacito
X4/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAFACITOR	o.iur	IOWVDC X/K	0003	ceramic capacito
X4/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAFACITOR	o.iur	IOWVDC X/K	0003	ceramic capacito
X4/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAFACITOR	o.iur	IOWVDC X/K	0003	ceramic capacito
X4/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/R42	RESISTOR	4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X4/X1/R4Z X4/X1/R1	RESISTOR	4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X4/X1/Q2	MMBFJ309		unknown SOT23	n-chann	
X4/X1/Q2 X4/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	0.1ur	IOWVDC X/K	0003	Ceramic Capacito
X4/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/R13 X4/X1/R41	RESISTOR	301k	1% 1/10W 1% 0603	Resisto:	
X4/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U8	ADA4805-IAKSZ		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	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r	CAFACITOR	Iur	IOWVDC X/K	0003	ceramic capacito
X4/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r	CAFACITOR	30pr	3% NFO VICIEOUS	0303	ceramic capacito
X4/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C11111C11O1C	o.iui	10WVDC 21/10	0005	ceramic capacito
X4/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X4/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X4/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C11111C11O1C	o.iui	10WVDC 21/10	0005	ceramic capacito
X4/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X1/U11			unknown SC70		alog switch
X4/X1/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C11111C11O1C	o.iui	10WVDC 21/10	0005	ceramic capacito
X4/X1/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	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		Resisto:	
X4/X1/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		3.141			
X4/X1/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X1/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	0111101101		2020		
X4/X1/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r		<b>-</b>			22200200200
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				<del>-</del>	
X4/X1/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r		-T		<del>-</del>	
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	OCKR	unknown	unknown	n SC70	SPST ana	alog switch
X4/X1/C4		CAPACITO		100pF				Ceramic capacito
X4/X1/R2	2	RESISTOR	3	2.00k	1%	0603	Resistor	2
X4/X1/R9	)	RESISTOR	2	3.00k	1%	0603	Resistor	2
X4/X1/R8	3	RESISTOR	ξ	0	1%	0603	Resistor	<u>-</u>
X4/X1/C1		CAPACITO		220pF				capacitor
J3 r	Flexprin	nt	unknown	unknown	NK-2M2-	-051	Airborne	e 51 pin connecto
X3/C39	CAPACITO	OR	1uF	10WVDC 2	K7R	0805	Ceramic	capacitor
X3/R51	RESISTOR	3	330	5% 0.15V	<b>V</b>	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
X3/U10	MAX308CS	SE+		unknown	S016		analog m	nux
	CAPACITO		22nF	50WVDC 2		0603	Ceramic	capacitor
· ·		unknown						
	CAPACITO		1uF	10WVDC 2		0805		capacitor
			330	5% 0.15V		0805	Resistor	
X3/R50	RESISTOR	ર	3.74k	1% 1/100	V	0603	Resistor	<u>-</u>
X3/R49	RESISTOR	5	3.74k	1% 1/10V	V	0603	Resistor	<u>-</u>
X3/C34	CAPACITO	OR	0.1uF	16WVDC X	K7R	0603	Ceramic	capacitor
X3/C33	CAPACITO	)R	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/U8	MAX308CS	SE+	unknown	unknown	S016	8 input	analog m	nux
X3/C32	CAPACITO	)R	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/U7	AD5328	unknown	unknown	TSSOP16	Octal I	DAC		
X3/C31	CAPACITO	OR	0.1uF	25WVDC 2	K7R	0603	Ceramic	capacitor
X3/L4	EXC-3BB	L02H	unknown	unknown	0603	EMI chir	)	_
X3/C30	CAPACITO	OR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/L3	EXC-3BB	L02H	unknown	unknown	0603	EMI chir		_
X3/C29	CAPACITO	OR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/L2	EXC-3BB	L02H	unknown	unknown	0603	EMI chir	)	
X3/L1	EXC-3BB	L02H	unknown	unknown	0603	EMI chir	)	
X3/C28	CAPACITO	OR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/X6/R1	_4	RESISTOR	2	301k	1%	0603	Resistor	<u>-</u>
X3/X6/R1	.5	RESISTOR	2	301k	1%	0603	Resistor	<u> </u>
X3/X6/U1	_	DUAL_OPA	AMP	LT2078A	IS8	N/A	S08	unknown
X3/X6/R1	.3	RESISTOR	2	1.00Meg	1%	0603	Resistor	<u> </u>
X3/X6/R8	3	RESISTOR	2	100k	1%	0603	Resistor	<u>-</u>
X3/X6/R9	)	RESISTOR	2	300k	1%	0603	Resistor	
X3/X6/R1		RESISTOR	2	100k	1%	0603	Resistor	<u> </u>
X3/X6/R1	.1	RESISTOR		301k	1%	0603	Resistor	<u>c</u>
X3/X6/C4		CAPACITO		330pF	50WVDC	X7R	0603	Ceramic capacito
r				_				-
X3/X6/R1	_2	RESISTOR	2	470	1% 1/10	W	0603	Resistor
X3/X6/C5	5	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r								<del>-</del>
X3/X6/C3	3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R6	5	RESISTOR	2	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		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R4		RESISTOR		301k	1%	0603	Resistor	
X3/X6/C1		CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	-	0.1.1.0.1.0		22021	201110		3005	cordinate capacito
X3/X6/R5	5	RESISTOR	₹	470	1% 1/10	)W	0603	Resistor

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X3/X6/C2	2	CAPACITO	)R	47nF	50WVDC	X7R	0805	Ceramic capac	ito
r X3/X5/R1 X3/X5/R1	15	RESISTOR RESISTOR	5	301k 301k	1% 1%	0603 0603	Resistor Resistor	r	
X3/X5/U2 X3/X5/R2	13	DUAL_OPA	3	LT2078A	1%	N/A 0603	SO8 Resisto		
X3/X5/R8 X3/X5/R9	9	RESISTOR RESISTOR	5	100k 300k	1% 1%	0603	Resistor Resistor	r	
X3/X5/R3 X3/X5/R3	11	RESISTOR RESISTOR	5	100k 301k	1% 1%	0603 0603	Resistor Resistor	r	
x3/x5/C4		CAPACITO		330pF	50WVDC		0603	Ceramic capac	ito
X3/X5/R3 X3/X5/C5		RESISTOR CAPACITO		470 47nF	1% 1/10 50WVDC		0603 0805	Resistor Ceramic capac	ito
r   X3/X5/C3   r	3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capac	ito
X3/X5/R6 X3/X5/R5		RESISTOR RESISTOR		49.9 1.00Meg	1% 1/10		0603 Resistor	Resistor	
X3/X5/R3 X3/X5/R3	1	RESISTOR RESISTOR	3	100k 300k	1% 1%	0603	Resistor	r	
X3/X5/R3 X3/X5/R4	3	RESISTOR RESISTOR	5	100k 301k	1% 1%	0603 0603	Resistor	r	
X3/X5/C1		CAPACITO		330pF	50WVDC		0603	Ceramic capac	ito
X3/X5/R5 X3/X5/C2		RESISTOR CAPACITO		470 47nF	1% 1/10 50WVDC		0603 0805	Resistor Ceramic capac	ito
X3/R62 X3/R57 X3/R54	RESISTON RESISTON RESISTON	? ?	49.9 301k 0 3.01Meg	1% 1/10V 1% 1%	V 0603 0603 0603	0603 Resisto Resisto Resisto	r	r	
X3/R46 X3/C27	RESISTON CAPACITO RESISTON	R OR	37.4k 22nF 40.2k	1% 100WVDC 1%	0603	Resisto: 0805 Resisto:	r Ceramic	capacitor	
X3/C26 X3/R44	CAPACITO RESISTO	OR R	33nF 604k	25WVDC 2	K7R 0603	0603 Resisto	Ceramic r	capacitor	
X3/R42	RESISTOR CAPACITOR RESISTOR	OR R	10k 22nF 10k	1% 100WVDC 1%	0603	Resisto: 0805 Resisto:	Ceramic r	capacitor	
X3/Q2 X3/R41 X3/R40	PNP_TRAI RESISTOI RESISTOI		PMBTA92 200k 10k	unknown 1% 1%	UB 0603 0603	unknown Resisto Resisto	r		
X3/Q1 X3/C24 X3/R39	PNP_TRAICAPACITORESISTO	OR	PMBTA92 0.1uF 133k	unknown 25WVDC 2 1%		unknown 0603 Resisto		capacitor	
X3/U4	DUAL_OPA		LM6142A		N/A	S08		dual operation	nal
X3/R38 X3/R37	RESISTOR RESISTOR	R	604k 392k 200k	1% 1% 1%	0603 0603 0603	Resisto: Resisto: Resisto:	r		
X3/C23 X3/R35	CAPACITO RESISTO	OR R	3.3nF 470	50WVDC 2 1% 1/10V	ζ7R √	0603 0603	Ceramic Resistor		
X3/C22 X3/U3	CAPACITO DUAL_OPA	AMP	0.22uF LT2078A		N/A	1206 SO8	unknown		
X3/R34	CAPACITO CAPACITO RESISTO	OR R	0.22uF 0.1uF 44.2k	25WVDC 2 25WVDC 2 1%	ζ7R 0603	1206 0603 Resisto	Ceramic r	capacitor capacitor	,
X3/R33	RESISTO	R	604k	1%	0603	Resisto	r		

Marriago	45.40.40		Vidoo hom	4v4	Dama 45/40
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X3/R32	RESISTOR	56.2k	1% 0603	Resistor	
X3/R31	RESISTOR	200k	1% 0603	Resistor	<b>2</b>
X3/C19	CAPACITOR	3.3nF	50WVDC X7R		Ceramic capacitor
X3/R30	RESISTOR	470	1% 1/10W		Resistor
X3/R29 X3/R28	RESISTOR RESISTOR	44.2k 604k	1% 0603 1% 0603	Resistor Resistor	
X3/R20 X3/R27	RESISTOR	56.2k	1% 0603	Resistor	
X3/R26	RESISTOR	200k	1% 0603	Resistor	
X3/K20 X3/C18	CAPACITOR	3.3nF	50WVDC X7R		Ceramic capacitor
X3/R25	RESISTOR	470	1% 1/10W		Resistor
X3/C17	CAPACITOR	0.22uF	25WVDC X7R		Ceramic capacitor
X3/U2	DUAL_OPAMP	LT2078A			unknown
X3/C15	CAPACITOR	0.1uF	25WVDC X7R		Ceramic capacitor
X3/C16	CAPACITOR		50WVDC X7R		Ceramic capacitor
X3/R24	RESISTOR	54.9k	1% 0603	Resistor	_
X3/R23	RESISTOR	82.5k	1% 0603	Resistor	
X3/R22	RESISTOR	604k	1% 0603	Resistor	
X3/R21	RESISTOR	953k	1% 0603	Resistor	
X3/R20	RESISTOR	200k	1% 0603	Resistor	
X3/C14	CAPACITOR	3.3nF	50WVDC X7R		Ceramic capacitor
X3/R19	RESISTOR	470	1% 1/10W		Resistor
X3/C13	CAPACITOR	0.22uF	25WVDC X7R		Ceramic capacitor
X3/R18	RESISTOR	54.9k	1% 0603	Resistor	
X3/R17	RESISTOR	82.5k	1% 0603	Resistor	
X3/R16	RESISTOR	604k	1% 0603	Resistor	
X3/R15	RESISTOR	953k 200k	1% 0603 1% 0603	Resistor Resistor	
X3/R14 X3/C12	RESISTOR CAPACITOR	3.3nF	1% 0603 50WVDC X7R		Ceramic capacitor
X3/C12 X3/R13	RESISTOR	470	1% 1/10W		Resistor
X3/K13 X3/C11	CAPACITOR	0.22uF	25WVDC X7R		Ceramic capacitor
X3/R60	RESISTOR	49.9	1% 1/10W		Resistor
X3/R61	RESISTOR	49.9	1% 1/10W		Resistor
X3/C40	CAPACITOR	0.1uF	25WVDC X7R		Ceramic capacitor
X3/U11	DUAL_OPAMP	LM6142A			generic dual operational
	ier, SO8			•	_
X3/U1	DUAL_OPAMP	LT2078A	IS8 N/A	S08 1	unknown
X3/R12	RESISTOR	24.9k	1% 1/10W	0603 I	Resistor
X3/C10	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C9	CAPACITOR	0.1uF	25WVDC X7R		Ceramic capacitor
X3/C8	CAPACITOR	0.1uF	25WVDC X7R		Ceramic capacitor
X3/R11	RESISTOR	54.9k	1% 0603	Resistor	
X3/R10	RESISTOR	82.5k	1% 0603	Resistor	
X3/R9	RESISTOR	604k	1% 0603	Resistor	
X3/R8	RESISTOR	953k	1% 0603	Resistor	
X3/R7	RESISTOR	200k	1% 0603	Resistor	a
X3/C7	CAPACITOR	3.3nF	50WVDC X7R		Ceramic capacitor
X3/R6	RESISTOR	470	1% 1/10W		Resistor
X3/C6 X3/U5	CAPACITOR DUAL_OPAMP	0.22uF LM6142A	25WVDC X7R IM N/A		Ceramic capacitor generic dual operational
	ier, SO8	⊔иот≠∠А	T1.1 IN / FA	200	Scherre duar Oberacional
X3/R5	RESISTOR	4.75k	1% 1/10W	0603 I	Resistor
X3/C3	CAPACITOR	620pF	10WVDC X7R		Ceramic capacitor
X3/R4	RESISTOR	14.7k	1% 1/10W		Resistor
X3/R3	RESISTOR	1	1% 1/10W		Resistor
X3/C2	CAPACITOR	1uF	10WVDC X7R		Ceramic capacitor
X3/C5	CAPACITOR	1uF	10WVDC X7R		Ceramic capacitor
X3/R2	RESISTOR	4.99	1% 1/10W		Resistor
X3/C4	CAPACITOR	1uF	10WVDC X7R		Ceramic capacitor
X3/R1	RESISTOR	49.9	1% 1/10W	0603 I	Resistor

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X3/U6 REFEREN	ICE REF43GS	N/A	S08	2.5V Re	ference	
X3/R59 RESISTO		1% 1/10		0603	Resisto	r
X3/X4/R27	RESISTOR	44.2k	1% 1/10	) W	0603	Resistor
X3/X4/C3	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
x3/x4/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r 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	W	0603	Resistor
X3/X4/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X3/X4/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
x3/x4/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R33	RESISTOR	330	1% 1/10 1/4W		0603	Resistor
X3/X4/R20	RESISTOR	1	•		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   r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R18	RESISTOR	5.11	1% 1/10	זאז (	0603	Resistor
X3/X4/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r   X3/X4/R17	RESISTOR	5.11	1% 1/10	)W	0603	Resistor
X3/X4/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r   X3/X4/R16	RESISTOR	5.11	1% 1/10	) TaT	0603	Resistor
X3/X4/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r					0.500	
X3/X4/R5 X3/X4/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10 16WVDC		0603 0603	Resistor Ceramic capacito
r   X3/X4/R21	RESISTOR	330	1% 1/10	ז געז (	0603	Resistor
X3/X4/R21 X3/X4/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	51111011011	J UI	1011VDC			Januara Capacito
X3/X4/R22	RESISTOR	330	1% 1/10	) W	0603	Resistor
X3/X4/C7	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R23	RESISTOR	330	1% 1/10	) W	0603	Resistor
X3/X4/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
		4.32k 4.32k	1% 1/10		0603	
X3/X4/R1	RESISTOR					Resistor
X3/X4/Q2	MMBFJ309	unknown 0.1uF	unknowr 16WVDC		n-chann 0603	
X3/X4/C22 r	CAPACITOR	U. TUF	TOMADO	A/K	0003	Ceramic capacito
x3/x4/R13	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X3/X4/R41	RESISTOR	301k	1%	0603	Resisto	
X3/X4/U6	ADA4805-1AKSZ			n SC70-6	Fast op	
X3/X4/U8	ADA4805-1AKSZ			SC70-6	Fast op	
X3/X4/U5	ADA4805-1AKSZ			sc70-6	Fast op	

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X3/X4/C16 CAPACTTOR	X3/X4/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X3/X4/C16   CAPACITOR   1uF   10WVDC X7R   0805   Ceramic capacito Y X3/X4/C4a   CAPACITOR   30pF   5% NF0 Vitreous   0505   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/R11   MAX4594DCKR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C17   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C17   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C18   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   MeWDC X7R   0603   Ceramic capacito Y X3/X4/C1   CAPACITOR   0.1uF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/R15   RESISTOR   0.0wF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/R15   RESISTOR   0.0wF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/R15   RESISTOR   0.0wF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/R15   RESISTOR   0.0wF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/C12   CAPACITOR   0.1uF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/C12   CAPACITOR   0.1uF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/C12   CAPACITOR   0.1uF   16WVDC X7R   0603   Ceramic capacito Y X3/X4/C13   CAPACITOR   0.1uF   0.0wF   0.0wF					
X3/X4/C4a					
X3/X4/C4a					
X3/X4/C2	X3/X4/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X3/X4/R11	X3/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X3/X4/U12		DECICTOR	2 001	19 0602	Pogiator
X3/X4/C17   CAPACITOR   1-6WVDC X7R   0-603   Ceramic capacito r					
x3/x4/R18					
X3/X4/R18		CAPACITOR	U.luf	TOWVDC X/R	0003 Ceramic Capacito
X3/X4/U1		DECICTOD	3 NNF	19 0603	Posistor
X3/X4/C6					
X3/X4/V3					
X3/X4/V3/C4/C5         MAX459ADCKR         unknown         SC70         SPST analog switch           X3/X4/R15         RESISTOR         1.00Meg         1% 0603         Resistor           X3/X4/R15         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R15         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/C12         CAPACITOR         1nF         50WVDC C0G         0603         Ceramic capacito           X3/X4/C20         CAPACITOR         1nF         50WVDC C0G         0603         Ceramic capacito           X3/X4/C21         CAPACITOR         1nF         50WVDC C0G         0603         Ceramic capacito           X3/X4/R14         RESISTOR         46.4         1% 1/10W         0603         Resistor           X3/X4/R19         AD7984BRMZ         unknown         unknown MSOP10         ADC         ADC           X3/X4/R16         CAPACITOR         DNP         25WVDC X7R         0603         Ceramic capacito           X3/X4/R19         CAPACITOR         2pF         25WVDC X7R         0603         Ceramic capacito           X3/X4/R10         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R12         RESISTOR		CAPACITOR	U.lur	TOWVDC X/R	0003 Ceramic Capacito
X3/X4/R19 RESISTOR 62 \$\$ 0.15W 0805 Resistor X3/X4/R15 RESISTOR 62 \$\$ 0.15W 0805 Resistor X3/X4/R15 RESISTOR 3.00k 1\$ 0603 Resistor X3/X4/R16 RESISTOR 3.00k 1\$ 0603 Resistor X3/X4/R4 RESISTOR 1nF 50WVDC COG 0603 Ceramic capacito X3/X4/R2 CAPACITOR 1nF 50WVDC COG 0603 Ceramic capacito X3/X4/R2 RESISTOR 1nF 50WVDC COG 0603 Ceramic capacito X3/X4/R14 RESISTOR 1nF 50WVDC COG 0603 Ceramic capacito X3/X4/R14 RESISTOR 1nF 50WVDC COG 0603 Resistor X3/X4/R14 RESISTOR 46.4 1\$ 1/10W 0603 Resistor X3/X4/R14 RESISTOR DNP 1\$ 1/10W 0603 Resistor X3/X4/R14 RESISTOR DNP 1\$ 1/10W 0603 Resistor X3/X4/R15 CAPACITOR DNP 25WVDC X7R 0603 Ceramic capacito X3/X4/R16 CAPACITOR DNP 25WVDC X7R 0603 Ceramic capacito X3/X4/R10 CAPACITOR 2pF 25WVDC X7R 0603 Ceramic capacito X3/X4/R10 RESISTOR 3.00k 1\$ 0603 Resistor X3/X4/R10 CAPACITOR 100pF 58 NPO Vitreous 0505 Ceramic capacito X3/X4/R2 RESISTOR 3.00k 1\$ 0603 Resistor X3/X4/R9 RESISTOR 3.00k 1\$ 0603 Resistor X3/X3/R27 RESISTOR 44.2k 18/1/10W 0603 Resistor X3/X3/R27 RESISTOR 47.2k 1812 Ceramic capacito CAPACITOR 1.0 PO		$M \times M = 0 $	unknown	unknown cc70	CDCT analog gwitch
X3/X4/R19         RESISTOR         62         5% 0.15W         0.803         Resistor           X3/X4/R15         RESISTOR         3.00k         1% 0603         Ceramic capacito           X3/X4/R20         CAPACITOR         1nF         50WVDC COG         0603         Ceramic capacito           X3/X4/C20         CAPACITOR         1nF         50WVDC COG         0603         Ceramic capacito           X3/X4/C21         CAPACITOR         1nF         50WVDC COG         0603         Ceramic capacito           X3/X4/R14         RESISTOR         46.4         1% 1/10W         0603         Resistor           X3/X4/R19         AD7984BRMZ         unknown         MSOP10         ADC         ADC         X3/X4/R1           X3/X4/R18         CAPACITOR         DNP         25WVDC X7R         0603         Resistor           X3/X4/C19         CAPACITOR         2pF         25WVDC X7R         0603         Ceramic capacito           X3/X4/R10         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R12         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R21         RESISTOR         100pF         5% NPO Vitreous         5055         Ceramic capacito <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
X3/X4/R15					
X3/X4/C12					
x3/x4/R4					
X3/X4/C20		CAPACITOR	U.IUF	TOWVDC X/R	0603 Ceramic Capacito
X3/X4/C20		DECICEOD	2 001-	1% 0602	Dogiator
x         x	1				
X3/X4/C21         CAPACITOR         lnF         50WDC C0G         0603         Ceramic capacitor           X3/X4/R14         RESISTOR         46.4         1% 1/10W         0603         Resistor           X3/X4/U9         AD7984BRMZ         unknown         unknown MSOP10         ADC           X3/X4/R17         RESISTOR         DNP         1% 1/10W         0603         Resistor           X3/X4/C18         CAPACITOR         DNP         25WVDC X7R         0603         Ceramic capacito           X3/X4/C19         CAPACITOR         2pF         25WVDC X7R         0603         Ceramic capacito           X3/X4/R10         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R12         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R2         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R2         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R2         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R3         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R4         RESISTOR         4.2k         1% 10W         0603         Resistor <td></td> <td>CAPACITOR</td> <td>TUE</td> <td>SUWVDC CUG</td> <td>0603 Ceramic capacito</td>		CAPACITOR	TUE	SUWVDC CUG	0603 Ceramic capacito
X3/X4/R14       RESISTOR       46.4       1% 1/10W       0603       Resistor         X3/X4/U7       RESISTOR       DNP       1% 1/10W       0603       Resistor         X3/X4/C18       CAPACITOR       DNP       25WVDC X7R       0603       Ceramic capacito         x3/X4/C19       CAPACITOR       2pF       25WVDC X7R       0603       Ceramic capacito         x3/X4/R10       RESISTOR       3.00k       1% 0603       Resistor         X3/X4/R12       RESISTOR       3.00k       1% 0603       Resistor         X3/X4/C19       MAX4594DCKR       unknown       unknown       SC70       SPST analog switch         X3/X4/C24       CAPACITOR       100pF       5% NPO Vitreous       0505       Ceramic capacito         X3/X4/R9       RESISTOR       2.00k       1% 0603       Resistor         X3/X4/R8       RESISTOR       3.00k       1% 0603       Resistor         X3/X3/X27       RESISTOR       3.00k       1% 0603       Resistor         X3/X3/X27       RESISTOR       4.2k       1% 1/10W       0603       Resistor         X3/X3/C24       CAPACITOR       7.5nF       16WVDC X7R       0603       Ceramic capacito         X3/X3/R28       RE		CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X3/X4/U9         AD7984BRMZ         unknown         unknown         MSOP10         ADC           X3/X4/C18         RESISTOR         DNP         1% 1/10W         0603         Resistor           X3/X4/C18         CAPACITOR         DNP         25WVDC         X7R         0603         Ceramic capacito           X3/X4/C19         CAPACITOR         2pF         25WVDC         X7R         0603         Ceramic capacito           X3/X4/R10         RESISTOR         3.00k         1% 0603         Resistor         Assistor           X3/X4/V17         MAX4594DCKR         unknown         unknown         SPST analog switch           X3/X4/C4         CAPACITOR         100pF         5% NPO Vitreous         0505         Ceramic capacito           X3/X4/R2         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R8         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R8         RESISTOR         3.00k         1% 0603         Resistor           X3/X3/C3         CAPACITOR         220pF         50WVDC         0803         Resistor           X3/X3/R27         RESISTOR         44.2k         1% 1/10W         0603         Resistor           X3/X3/R28<	r				
X3/X4/R7         RESISTOR         DNP         1% 1/10W         0603         Resistor           X3/X4/C18         CAPACITOR         DNP         25WVDC         X7R         0603         Ceramic capacito           X3/X4/C19         CAPACITOR         2pF         25WVDC         X7R         0603         Ceramic capacito           X3/X4/R10         RESISTOR         3.00k         1% 0603         Resistor         Assistor           X3/X4/U7         MAX4594DCKR         unknown         unknown         SC70         SPST analog switch           X3/X4/C4         CAPACITOR         100pF         5% NPO Vitreous         0505         Ceramic capacito           X3/X4/R2         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R8         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R8         RESISTOR         0.1% 0603         Resistor           X3/X3/Z27         RESISTOR         10 0603         Resistor           X3/X3/X3/C2         CAPACITOR         7.5nF         16WVDC X7R         1812         Ceramic capacito           X3/X3/C24         CAPACITOR         7.5nF         16WVDC X7R         0603         Resistor           X3/X3/R6         RESISTOR <td>X3/X4/R14</td> <td>RESISTOR</td> <td>46.4</td> <td>1% 1/10W</td> <td>0603 Resistor</td>	X3/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X3/X4/C18	X3/X4/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC
x         x         2pF         25WVDC X7R         0603         Ceramic capacito           x         x3/X4/R10         RESISTOR         3.00k         1%         0603         Resistor           X3/X4/R12         RESISTOR         3.00k         1%         0603         Resistor           X3/X4/U7         MAX4594DCKR         unknown unknown SC70         SPST analog switch           X3/X4/C4         CAPACITOR         100pF         5% NPO Vitreous         0505         Ceramic capacito           x3/X4/R2         RESISTOR         2.00k         1%         0603         Resistor           X3/X4/R9         RESISTOR         2.00k         1%         0603         Resistor           X3/X4/R8         RESISTOR         3.00k         1%         0603         Resistor           X3/X3/R27         RESISTOR         2.0pF         50WVDC         0805         Ceramic capacitor           X3/X3/R27         RESISTOR         4.7uF         10WVDC         X7R         0603         Resistor           X3/X3/R28         RESISTOR         3.01k         1% 1/10W         0603         Resistor           X3/X3/R28         RESISTOR         3.01k         1% 1/10W         0603         Resistor	X3/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X3/X4/C19	X3/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
x       x	r				
X3/X4/R10		CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X3/X4/R12       RESISTOR       3.00k       1% 0603       Resistor         X3/X4/C4       MAX4594DCKR       unknown 100pF       5% NPO Vitreous       0505       Ceramic capacito         X3/X4/C4       CAPACITOR       100pF       5% NPO Vitreous       0505       Ceramic capacito         X3/X4/R2       RESISTOR       2.00k       1% 0603       Resistor         X3/X4/R9       RESISTOR       3.00k       1% 0603       Resistor         X3/X4/R8       RESISTOR       0 1% 0603       Resistor         X3/X4/C1       CAPACITOR       220pF       50WVDC       0805       Ceramic capacitor         X3/X3/R27       RESISTOR       4.7uF       10WVDC       X7R       1812       Ceramic capacitor         X3/X3/C3       CAPACITOR       7.5nF       16WVDC       X7R       0603       Resistor         X3/X3/R28       RESISTOR       3.01k       1% 1/10W       0603       Resistor         X3/X3/C29       CAPACITOR       0.1uF       16WVDC       X7R       0603       Ceramic capacitor         X3/X3/R39       RESISTOR       1       1% 1/10W       0603       Resistor         X3/X3/R40       RESISTOR       15.0k       1% 1/10W       0603       Resistor </td <td></td> <td>DECICTOD</td> <td>3 በበራ</td> <td>19 0603</td> <td>Posistor</td>		DECICTOD	3 በበራ	19 0603	Posistor
X3/X4/U7         MAX4594DCKR CAPACITOR         unknown by threous         SPST analog switch           X3/X4/C4         CAPACITOR         100pF         5% NPO Vitreous         0505         Ceramic capacito           X3/X4/C4         RESISTOR         2.00k         1% 0603         Resistor           X3/X4/R9         RESISTOR         3.00k         1% 0603         Resistor           X3/X4/R8         RESISTOR         0         1% 0603         Resistor           X3/X3/R27         RESISTOR         220pF         50WDC         Ceramic capacitor           X3/X3/R27         RESISTOR         44.2k         1% 1/10W         0603         Resistor           X3/X3/C3         CAPACITOR         7.5nF         16WVDC         X7R         0603         Ceramic capacitor           X3/X3/R28         RESISTOR         3.01k         1% 1/10W         0603         Resistor           X3/X3/R29         CAPACITOR         0.1uF         16WVDC         X7R         0603         Resistor           X3/X3/R30         POLARIZED_CAPACITOR         47uF         15WVDC         2711         Tantalum capacit           x3/X3/R39         RESISTOR         15.0k         1% 1/10W         0603         Resistor           X3/X3/R40					
X3/X4/C4	i i		_		
r X3/X4/R2 RESISTOR 2.00k 1% 0603 Resistor X3/X4/R9 RESISTOR 3.00k 1% 0603 Resistor X3/X4/R8 RESISTOR 0 1% 0603 Resistor X3/X4/R8 RESISTOR 220pF 50WVDC 0805 Ceramic capacitor X3/X3/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor X3/X3/C3 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacitor x3/X3/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacitor x3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R28 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor x3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacitor x3/X3/R39 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R40 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 capacitor x3/X3/C28 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacitor CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacitor CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacitor CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacitor CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacitor CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacitor					OFOE Commis conscits
X3/X4/R2 RESISTOR 2.00k 1% 0603 Resistor X3/X4/R9 RESISTOR 3.00k 1% 0603 Resistor X3/X4/R8 RESISTOR 0 1% 0603 Resistor X3/X4/C1 CAPACITOR 220pF 50WVDC 0805 Ceramic capacitor X3/X3/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor X3/X3/C3 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C4 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacito r X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or X3/X3/R39 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/C28 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C28 CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacito r X3/X3/C28 CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacito		CAPACITOR	TOOPE	5% NPO VILLEOUS	0505 Ceramic Capacito
X3/X4/R9 RESISTOR 3.00k 1% 0603 Resistor X3/X4/R8 RESISTOR 0 1% 0603 Resistor X3/X4/C1 CAPACITOR 220pF 50WVDC 0805 Ceramic capacitor X3/X3/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor X3/X3/C3 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacito r X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or X3/X3/R39 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/C28 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C28 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacito		DECICTOD	2 001	19 0602	Pogiator
X3/X4/R8 RESISTOR 0 1% 0603 Resistor X3/X4/C1 CAPACITOR 220pF 50WVDC 0805 Ceramic capacitor X3/X3/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor X3/X3/C3 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacito r X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or X3/X3/R39 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R40 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/C28 CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacito r X3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 1812 Ceramic capacito					
X3/X4/C1					
X3/X3/R27 RESISTOR 44.2k 1% 1/10W 0603 Resistor X3/X3/C3 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacito r X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or X3/X3/R39 RESISTOR 15.0k 1% 1/10W 0603 Resistor X3/X3/R40 RESISTOR 3.01k 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			-		
X3/X3/C3					
r       X3/X3/C24       CAPACITOR       7.5nF       16WVDC X7R       0603       Ceramic capacito         x3/X3/R28       RESISTOR       3.01k       1% 1/10W       0603       Resistor         X3/X3/R6       RESISTOR       1       1% 1/10W       0603       Resistor         X3/X3/C29       CAPACITOR       0.1uF       16WVDC X7R       0603       Ceramic capacito         r       X3/X3/C30       POLARIZED_CAPACITOR       47uF       15WVDC       2711       Tantalum capacit         or       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					
X3/X3/C24 CAPACITOR 7.5nF 16WVDC X7R 0603 Ceramic capacito r X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or 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		CAPACITOR	4. /ur	TOWVDC X/R	1012 Ceramic Capacito
X3/X3/R28 RESISTOR 3.01k 1% 1/10W 0603 Resistor X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito r X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or 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	X3/X3/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
X3/X3/R6 RESISTOR 1 1% 1/10W 0603 Resistor X3/X3/C29 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito  x3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit  or 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  x3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito		DEGLESS	2 217	10 1/10	0603
X3/X3/C29					
r X3/X3/C30			_		
X3/X3/C30 POLARIZED_CAPACITOR 47uF 15WVDC 2711 Tantalum capacit or 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		CAPACITOR	0.luF	16WVDC X'/R	U6U3 Ceramic capacito
or 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			THOD	47D 15	0711
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		POLARIZED_CAPAC	TTOR	4/ur 15WVDC	2/11 Tantalum capacit
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		DEGLAMOS	15 01	10 1/10**	0603
X3/X3/C28 CAPACITOR 4.7uF 10WVDC X7R 1812 Ceramic capacito r X3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito					
r X3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito					
X3/X3/C25 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacito		CAPACITOR	4.7uF	TUWVDC X7R	1812 Ceramic capacito
Mada ada May 00, 0045	X3/X3/C25		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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X3/X3/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x2/x2/H10		T N/C 1 / O N :	TN/ NT/7	0.00	
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
r					
X3/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C13 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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/K10 X3/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x2/x2/p22	DEGLAMOD	220	10 1 /1017	0.602	Danii okan
X3/X3/R22 X3/X3/C7	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r	CAFACITOR	0.1ur	IOWVDC X/K	0003	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 X3/X3/Q2	RESISTOR MMBFJ309	4.32k	1% 1/10W unknown SOT23	0603 n-channe	Resistor
X3/X3/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X3/R41 X3/X3/U6	RESISTOR ADA4805-1AKSZ	301k	1% 0603 unknown SC70-6	Resistor Fast opa	
X3/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X3/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X3/X3/U4	ADA4805-1AKSZ RESISTOR		unknown SC70-6	Fast opa	
X3/X3/R24 X3/X3/C16	CAPACITOR	20 1uF	1% 1/10W 10WVDC X7R	0603 0805	Resistor Ceramic capacito
r	CHILICITOR	141	100000 11710	0005	ceramic capacito
X3/X3/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r X3/X3/C2	CADACTTOD	0.1uF	16WVDC X7R	0603	Ceramic capacito
x3/x3/C2	CAPACITOR	U.IUF	TOMANC VIK	0003	Ceramic Capacito
X3/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	
X3/X3/U12	MAX4594DCKR		unknown SC70		alog switch
X3/X3/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X3/X3/U3	MAX4594DCKR	unknown	unknown SC70	CDCT and	alog switch
X3/X3/R25	RESISTOR	1.00Meg		Resisto:	
00/00				1001000	

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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	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X3/X3/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X3/X3/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						-
X3/X3/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r   X3/X3/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X3/X3/U9	AD7984BRMZ			n MSOP10	ADC	110222002
X3/X3/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X3/X3/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r		DIVI	23,,,,,,	21 / 10	0005	ceramic capacito
X3/X3/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r		_				
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/K0 X3/X3/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X3/X3/C1 X3/X2/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X3/X2/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r x5/ x2/ C5	CAFACITOR	4.7 dr	TOWADC	X/IC	1012	Ceramic Capacito
x3/x2/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r   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
r		0.141	1011120	11,11	0005	deramine dapadree
X3/X2/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X3/X2/R39	RESISTOR	15.0k	1% 1/10	) W	0603	Resistor
X3/X2/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X3/X2/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r	C711 71C 1 TOTC	1.741	IOWVDC	22710	1012	ceramic capacito
X3/X2/C25 r	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	
X3/X2/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r x2/x2/D26	DEGTGEOD	1 051	10 1/1	) T. T	0.000	Danist
X3/X2/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X3/X2/C10	CAPACITOR	0.1uF	16WVDC	X/R	0603	Ceramic capacito
r  X3/X2/U10	DUAL_OPAMP	LM6142A	ТМ	N/A	S08	generic dual ope
rational amplif				11/11	200	generro adar ope
X3/X2/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X3/X2/R18	RESISTOR	5.11	1% 1/10	) TAT	0603	Resistor
X3/X2/R18 X3/X2/C13	CAPACITOR	0.1uF	16 1/10		0603	Ceramic capacito
x3/x2/C13	CAFACIIOR	U.IUF	TOMADC	Δ/Κ	0003	Ceramic Capacito
X3/X2/R17	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X3/X2/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r				= · = *		22200200200

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X3/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/C7 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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-chann	
X3/X2/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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 op	
X3/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X3/X2/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X3/X2/U4	ADA4805-1AKSZ RESISTOR	unknown 20	unknown SC70-6 1% 1/10W	Fast op	amp Resistor
X3/X2/R24 X3/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r					_
X3/X2/C4a r	CAPACITOR	30pF	5% NPO Vitreous		Ceramic capacito
X3/X2/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R11	RESISTOR	2.00k	1% 0603	Resisto	
X3/X2/U12	MAX4594DCKR		unknown SC70		alog switch
X3/X2/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/U11	MAX4594DCKR		unknown SC70		alog switch
X3/X2/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/U3	MAX4594DCKR		unknown SC70		alog switch
X3/X2/R25	RESISTOR	1.00Meg		Resisto	
X3/X2/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X3/X2/R15	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X2/R4	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X3/X2/C21 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X3/X2/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X2/U9	AD7984BRMZ		unknown MSOP10	ADC	
X3/X2/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X3/X2/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
X3/X2/C19 r	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
X3/X2/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/R12	RESISTOR	3.00k	1% 0603	Resisto	
40/00				10/2	

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	MA WAE O AD CIVID			GDGE	
X3/X2/U7 X3/X2/C4	MAX4594DCKR CAPACITOR	unknown 100pF	unknown SC70 5% NP0 Vitreous		alog switch Ceramic capacito
r   X3/X2/R2	RESISTOR	2.00k	1% 0603	Resisto:	r
X3/X2/R2 X3/X2/R9	RESISTOR	2.00k 3.00k	1% 0603	Resisto:	
X3/X2/R9 X3/X2/R8	RESISTOR	0	1% 0603	Resisto	
X3/X2/C1	CAPACITOR	220pF	50WVDC 0805		capacitor
X3/X1/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
x3/x1/c3	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r	0111101101				_
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
x3/X1/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
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	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r X3/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r wa (wa (paa	DEGLATOR	220	10 1/10;	0.602	<b>.</b>
X3/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/R20 X3/X1/C23	RESISTOR CAPACITOR	1 0.1uF	1/4W 1206 16WVDC X7R	Resisto: 0603	Ceramic capacito
r	CHILICITOR	0.141	10WVDC 21/10	0005	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		LI101 1211	11/11	500	generic ddai ope
X3/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x3/x1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C7	CAPACITOR	0.1uF	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	MMBFJ309		unknown SOT23	n-chann	
X3/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					

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X3/X1/R13	RESISTOR	46.4 1% 1/10W	▼ ▼	0603 Resistor
X3/X1/R41	RESISTOR	301k 1%	0603	Resistor
X3/X1/U6	ADA4805-1AKSZ	unknown unknown		Fast opamp
X3/X1/U8	ADA4805-1AKSZ	unknown unknown		Fast opamp
X3/X1/U5	ADA4805-1AKSZ	unknown unknown		Fast opamp
X3/X1/U4	ADA4805-1AKSZ	unknown unknown		Fast opamp
X3/X1/R24	RESISTOR	20 1% 1/10W		0603 Resistor
X3/X1/K24 X3/X1/C16	CAPACITOR	1uF 10WVDC X		0805 Ceramic capacito
r	CAPACITOR	TUF TOWADE A	Y/K	0005 Ceramic Capacito
X3/X1/C4a r	CAPACITOR	30pF 5% NPO V	/itreous	0505 Ceramic capacito
X3/X1/C2	CAPACITOR	0.1uF 16WVDC X	K7R	0603 Ceramic capacito
X3/X1/R11	RESISTOR	2.00k 1%	0603	Resistor
X3/X1/U12	MAX4594DCKR	unknown unknown		SPST analog switch
X3/X1/C17	CAPACITOR	0.1uF 16WVDC X		0603 Ceramic capacito
r	CHILCTION	0.1dl 10WVDC 1	1710	ceramic eapacies
X3/X1/R38	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/U11	MAX4594DCKR	unknown unknown		SPST analog switch
X3/X1/C6 r	CAPACITOR	0.1uF 16WVDC X	K7R	0603 Ceramic capacito
X3/X1/U3	MAX4594DCKR	unknown unknown	SC70	SPST analog switch
X3/X1/R25	RESISTOR	1.00Meg 1%	0603	Resistor
X3/X1/R19	RESISTOR	62 5% 0.15W	V	0805 Resistor
X3/X1/R15	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/C12	CAPACITOR	0.1uF 16WVDC >	K7R	0603 Ceramic capacito
x3/x1/R4	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/C20	CAPACITOR	1nF 50WVDC C		0603 Ceramic capacito
r				-
X3/X1/C21 r	CAPACITOR	1nF 50WVDC (	COG	0603 Ceramic capacito
X3/X1/R14	RESISTOR	46.4 1% 1/10W		0603 Resistor
X3/X1/U9	AD7984BRMZ	unknown unknown		ADC
X3/X1/R7	RESISTOR	DNP 1% 1/10V		0603 Resistor
X3/X1/C18 r	CAPACITOR	DNP 25WVDC X	K7R	0603 Ceramic capacito
X3/X1/C19 r	CAPACITOR	2pF 25WVDC 2	K7R	0603 Ceramic capacito
X3/X1/R10	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/R12	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/U7	MAX4594DCKR	unknown unknown		SPST analog switch
X3/X1/C4	CAPACITOR		/itreous	
r	CAPACITOR	100pr 3% NPO V	/ICIEOUS	0303 Ceramic Capacito
X3/X1/R2	RESISTOR	2.00k 1%	0603	Resistor
X3/X1/R9	RESISTOR	3.00k 1%	0603	Resistor
X3/X1/R8	RESISTOR	0 1%	0603	Resistor
X3/X1/C1	CAPACITOR	220pF 50WVDC	0805	Ceramic capacitor
J2 Flexpr		unknown NK-2M2-0		Airborne 51 pin connecto
r  X2/C39 CAPACI	TOR 1uF	10WVDC X7R	0805	Ceramic capacitor
X2/R51 RESIST		5% 0.15W	0805	Resistor
X2/R53 RESIST		1% 1/10W	0603	Resistor
X2/R52 RESIST		1% 1/10W	0603	Resistor
X2/C38 CAPACI		16WVDC X7R	0603	Ceramic capacitor
X2/C37 CAPACI		50WVDC X7R	0603	Ceramic capacitor
X2/U10 MAX308		unknown S016		analog mux
X2/C36 CAPACI		50WVDC X7R	0603	Ceramic capacitor
X2/U9 AD5328		. TSSOP16 Octal DA		CETAMITE CAPACITOI
77 AD3370	dimiowii dimiowi	. 1550FIO OCCAI DE		

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X2/C35	CAPACITO	OR	1uF	10WVDC 2		0805	Ceramic	capacitor
X2/R48	RESISTO		330	5% 0.15W		0805	Resisto	_
X2/R50	RESISTO		3.74k	1% 1/10V		0603	Resisto	
X2/R49	RESISTO		3.74k	1% 1/10V		0603	Resisto	
X2/C34	CAPACITO		0.1uF	16WVDC 2		0603		capacitor
X2/C33	CAPACITO		22nF	50WVDC 2		0603		capacitor
X2/U8	MAX308C			unknown			analog 1	
X2/C32	CAPACITO		22nF	50WVDC 2		0603		capacitor
X2/U7	AD5328		unknown					
X2/C31	CAPACITO	OR	0.1uF	25WVDC 2	K7R	0603	Ceramic	capacitor
X2/L4	EXC-3BB	102H	unknown	unknown	0603	EMI chi		-
X2/C30	CAPACITO	OR	22nF	50WVDC 2	ζ7R	0603	Ceramic	capacitor
X2/L3	EXC-3BB	102H	unknown	unknown	0603	EMI chi	p	
X2/C29	CAPACITO	OR	22nF	50WVDC 2	K7R	0603		capacitor
X2/L2	EXC-3BB			unknown		EMI chi	-	
X2/L1	EXC-3BB			unknown		EMI chi		
X2/C28	CAPACITO		22nF	50WVDC 2		0603		capacitor
X2/X6/R3		RESISTO		301k	1%	0603	Resisto	
X2/X6/R1		RESISTO		301k	1%	0603	Resisto:	
X2/X6/U		DUAL_OP		LT2078A		N/A	S08	unknown
X2/X6/R1		RESISTO		1.00Meg		0603	Resisto	
X2/X6/R8		RESISTO		100k	1%	0603	Resisto	
X2/X6/R9		RESISTO		300k	1%	0603	Resisto	
X2/X6/R3		RESISTO		100k	1%	0603	Resisto:	
X2/X6/R3		RESISTO		301k	1%	0603	Resisto:	
X2/X6/C4	<del>1</del>	CAPACITO	JR	330pF	50WVDC	A/R	0603	Ceramic capacito
X2/X6/R3	12	RESISTO	₹.	470	1% 1/10	WC	0603	Resistor
X2/X6/C	5	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
r   X2/X6/C3   r	3	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R6	б	RESISTO	2	49.9	1% 1/10	OW	0603	Resistor
X2/X6/R		RESISTO		1.00Meg	1%	0603	Resisto	r
X2/X6/R3	1	RESISTO	2.	100k	1%	0603	Resisto	r
X2/X6/R2	2	RESISTO	2.	300k	1%	0603	Resisto	r
X2/X6/R3	3	RESISTO	2	100k	1%	0603	Resisto:	
X2/X6/R4		RESISTO		301k	1%	0603	Resisto:	
x2/x6/C1		CAPACITO	OR	330pF	50WVDC		0603	Ceramic capacito
X2/X6/R		RESISTO		470	1% 1/10		0603	Resistor
X2/X6/C2	2	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
X2/X5/R3	14	RESISTO	3	301k	1%	0603	Resisto	r
X2/X5/R3		RESISTO		301k	1%	0603	Resisto	
X2/X5/U		DUAL_OP		LT2078A		N/A	S08	unknown
X2/X5/R2		RESISTO		1.00Meg		0603	Resisto	
X2/X5/R8		RESISTO		100k	1%	0603	Resisto	
X2/X5/R9		RESISTO		300k	1%	0603	Resisto	
X2/X5/R3	10	RESISTO	2	100k	1%	0603	Resisto	r
X2/X5/R3		RESISTO		301k	1%	0603	Resisto:	
X2/X5/C4	4	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
X2/X5/R1	1.2	RESISTO	₹	470	1% 1/10	ΩW	0603	Resistor
X2/X5/C		CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	-			- · - <b></b>	2 20			
x2/x5/C3	3	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X5/R6	6	RESISTO	2	49.9	1% 1/10	WC	0603	Resistor

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X2/X5/R	7 RESISTO		1.00Meg	1%	0603	Resisto	r
X2/X5/R			100k	1%	0603	Resistor	
X2/X5/R			300k	1%	0603	Resistor	
X2/X5/R			100k	1%	0603	Resistor	
X2/X5/R			301k	1%	0603	Resistor	
X2/X5/R			330pF	50WVDC		0603	Ceramic capacito
r	I CAPACIII	JR	330pr	SUWVDC	A/K	0003	Ceramic Capacito
X2/X5/R	5 RESISTO	₹	470	1% 1/10	NΩ	0603	Resistor
X2/X5/C			47nF	50WVDC		0805	Ceramic capacito
r		311	1,111	3011120	22,720	0000	ceramic capacite
X2/R62	RESISTOR	49.9	1% 1/10	W	0603	Resistor	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		capacitoi
X2/R43 X2/C26	CAPACITOR	33nF	25WVDC		0603		capacitor
X2/C20 X2/R44	RESISTOR	604k	23WVDC 1%	0603	Resisto		Capacitoi
X2/R44 X2/R43	RESISTOR	10k	1% 1%	0603	Resisto		
X2/R43 X2/C25	CAPACITOR	22nF	100WVDC		0805		capacitor
X2/C25 X2/R42	RESISTOR	2211F 10k	100WVDC	0603	Resisto		Capacitor
						<u>C</u>	
X2/Q2	PNP_TRANSISTOR				unknown	_	
X2/R41	RESISTOR	200k	1%	0603	Resistor		
X2/R40	RESISTOR	10k	1%	0603	Resistor	2	
X2/Q1	PNP_TRANSISTOR	PMBTA92			unknown	~ '	
X2/C24	CAPACITOR	0.1uF	25WVDC		0603		capacitor
X2/R39	RESISTOR	133k	1%	0603	Resistor		
X2/U4	DUAL_OPAMP	LM6142A	M	N/A	S08	generic	dual operational
	ier, SO8	6041	1.0	0.500			
X2/R38	RESISTOR	604k	1%	0603	Resistor		
X2/R37	RESISTOR	392k	1%	0603	Resistor		
X2/R36	RESISTOR	200k	1%	0603	Resisto		
X2/C23	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R35	RESISTOR	470	1% 1/10		0603	Resisto	
X2/C22	CAPACITOR	0.22uF	25WVDC		1206	_	capacitor
X2/U3	DUAL_OPAMP	LT2078A		N/A	S08	unknown	
X2/C21	CAPACITOR	0.22uF	25WVDC		1206		capacitor
X2/C20	CAPACITOR	0.1uF	25WVDC		0603		capacitor
X2/R34	RESISTOR	44.2k	1%	0603	Resisto		
X2/R33	RESISTOR	604k	1%	0603	Resisto		
X2/R32	RESISTOR	56.2k	1%	0603	Resisto	ſ	
X2/R31	RESISTOR	200k	1%	0603	Resisto		
X2/C19	CAPACITOR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X2/R30	RESISTOR	470	1% 1/10	W	0603	Resisto	
X2/R29	RESISTOR	44.2k	1%	0603	Resisto	_	
X2/R28	RESISTOR	604k	1%	0603	Resisto	<u>c</u>	
X2/R27	RESISTOR	56.2k	1%	0603	Resisto	ſ	
X2/R26	RESISTOR	200k	1%	0603	Resisto		
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	<u>-</u>
X2/C15	CAPACITOR	0.1uF	25WVDC		0603		capacitor
X2/C16	CAPACITOR	0.047uF			0603		capacitor
X2/R24	RESISTOR	54.9k	1%	0603	Resisto		<u>r</u>
X2/R23	RESISTOR	82.5k	1%	0603	Resistor		
X2/R23	RESISTOR	604k	1%	0603	Resisto		
X2/R22 X2/R21	RESISTOR	953k	1%	0603	Resistor		
44/00		2 0 0 1 1				=	

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X2/R20	RESISTO	 R	200k	1%	0603	Resisto	 r	<del>-</del>
	CAPACIT		3.3nF	50WVDC		0603		capacitor
	RESISTO		470	1% 1/10		0603	Resisto	
	CAPACIT		0.22uF	25WVDC		1206		capacitor
	RESISTO		54.9k	1%	0603	Resisto:		00.F 0.0 I 0 0 I
X2/R17	RESISTO		82.5k	1%	0603	Resisto		
	RESISTO		604k	1%	0603	Resisto		
	RESISTO		953k	1%	0603	Resisto		
	RESISTO		200k	1%	0603	Resisto		
X2/C12	CAPACIT		3.3nF	50WVDC		0603		capacitor
X2/R13	RESISTO		470	1% 1/10		0603	Resisto	
X2/C11	CAPACIT		0.22uF	25WVDC		1206		capacitor
X2/R60	RESISTO		49.9	1% 1/10		0603	Resisto	
X2/R61	RESISTO		49.9	1% 1/10		0603	Resisto	
	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/U11	DUAL OP		LM6142A		N/A	SO8		dual operational
	ier, SO8		<b> </b>		, ==	<del>-</del>	5	
X2/U1	DUAL_OP	AMP	LT2078A	IS8	N/A	S08	unknown	
	RESISTO		24.9k	1% 1/10°		0603	Resisto	r
X2/C10	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/C9	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/C8	CAPACIT		0.1uF	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		
X2/R7	RESISTO		200k	1%	0603	Resisto		
X2/C7	CAPACIT		3.3nF	50WVDC		0603		capacitor
X2/R6	RESISTO		470	1% 1/10		0603	Resisto	=
X2/C6	CAPACIT		0.22uF	25WVDC		1206		capacitor
X2/U5	DUAL_OP		LM6142A		N/A	SO8		dual operational
	ier, $\overline{S}08$				•		5	21 2 22 2
X2/R5	RESISTO	З.	4.75k	1% 1/10	W	0603	Resisto	r
	CAPACIT		620pF	10WVDC		0805		capacitor
	RESISTO		14.7k	1% 1/10		0603	Resisto	
X2/R3	RESISTO		1	1% 1/10		0603	Resisto	
X2/C2	CAPACIT		1uF	10WVDC		0805		capacitor
X2/C5	CAPACIT		1uF	10WVDC		0805		capacitor
X2/R2	RESISTO		4.99	1% 1/10		0603	Resisto	
X2/C4	CAPACIT		1uF	10WVDC		0805		capacitor
	RESISTO		49.9	1% 1/10		0603	Resisto	
	REFEREN		REF43GS		S08	2.5V Re:		
	RESISTO		49.9	1% 1/10		0603	Resisto	r
X2/X4/R2		RESISTOR		44.2k	 1% 1/10		0603	Resistor
X2/X4/C3		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r					16WVDC			_
x2/x4/c2 r		CAPACITO	)K	7.5nF	TOMADC	A/K	0603	Ceramic capacito
X2/X4/R2	28	RESISTOR	ર	3.01k	1% 1/10		0603	Resistor
X2/X4/R6		RESISTOR	ર	1	1% 1/10	) W	0603	Resistor
X2/X4/C2	29	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X2/X4/C3	30	POLARIZE	ED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or								-
X2/X4/R3	39	RESISTOR	5	15.0k	1% 1/10	W	0603	Resistor
X2/X4/R4	40	RESISTOR	5	3.01k	1% 1/10	W	0603	Resistor
X2/X4/C2		CAPACITO		4.7uF	10WVDC	X7R	1812	Ceramic capacito
r X2/X4/C2	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
<del> </del>	\ /							45/00

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r					0
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r vo/v//poo	DUGICUOD	330	10. 1 /101	0.603	Dogiator
X2/X4/R22 X2/X4/C7	RESISTOR CAPACITOR	0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r	CAPACITOR	0.1ur	IOWVDC 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-chann	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:	
X2/X4/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X2/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
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	C111 11C 1 1 OIL	o.rur	1011 V DO 21 / IX	5005	coramic capacito
X2/X4/R38	RESISTOR	3.00k	1% 0603	Resisto:	r
X2/X4/U11	MAX4594DCKR		unknown SC70		alog switch
X2/X4/C6 r	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				10/-	

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X2/X4/R19	RESISTOR	62	5% 0.15	5W	0805	Resistor
X2/X4/R15	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/C12	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
lr '						
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	01111011011		3311123			ociamic capacito
x2/x4/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X2/X4/U9	AD7984BRMZ			n MSOP10	ADC	11001001
X2/X4/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X2/X4/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r	CALACITOR	DIVI	ZJWVDC	22 / 10	0003	cciamic capacito
X2/X4/C19	CAPACITOR	2pF	25WVDC	<b>у</b> 7р	0603	Ceramic capacito
r	CAFACTION	ZPr	ZJWVDC	X/IC	0003	ceramic capacito
X2/X4/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/R10 X2/X4/R12	RESISTOR	3.00k	1% 1%	0603	Resisto:	
	MAX4594DCKR	unknown				
X2/X4/U7						alog switch
X2/X4/C4	CAPACITOR	100pF	D4 NLO	Vitreous	0505	Ceramic capacito
r   v2/v4/p2		2 001-	10	0602	Resisto:	70
X2/X4/R2	RESISTOR	2.00k	1%	0603		
X2/X4/R9	RESISTOR	3.00k	1%	0603	Resisto	
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	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						
X2/X3/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r						
X2/X3/R28	RESISTOR	3.01k	1% 1/10		0603	Resistor
X2/X3/R6	RESISTOR	1	1% 1/10	W	0603	Resistor
X2/X3/C29	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X2/X3/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or						
X2/X3/R39	RESISTOR	15.0k	1% 1/10	WC	0603	Resistor
X2/X3/R40	RESISTOR	3.01k	1% 1/10	DW	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						1
X2/X3/R33	RESISTOR	330	1% 1/10	DW	0603	Resistor
X2/X3/R20	RESISTOR	1	1/4W	1206	Resisto:	
X2/X3/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	<b> </b>					22220 23.640120
X2/X3/R26	RESISTOR	1.05k	1% 1/10	) W	0603	Resistor
X2/X3/K20 X2/X3/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	C211 11C 1 1 O1C	O • 1 (L)	T 0 11 1 D C	11/10	3003	capacito capacito
x2/x3/U10	DUAL_OPAMP	LM6142A	TM	N/A	S08	generic dual ope
rational amplif:		LITOT TZA.		T4/ T7	200	JOHN CHE CHAIL OPE
X2/X3/C14	CAPACITOR	0.1uF	16WVDC	x7p	0603	Ceramic capacito
r	CULUCTION	O. LUP	TOWVDC	27 / 17	0000	ccramic capacito
	D F C T C T C P	5.11	1% 1/10	זעז	0603	Resistor
X2/X3/R18	RESISTOR					
X2/X3/C13	CAPACITOR	0.1uF	16WVDC	A/K	0603	Ceramic capacito
r / / / / / / / / / / / / / / / / / /	DEGLOSS		10 1 /1	`	0.600	<b>.</b>
X2/X3/R17	RESISTOR	5.11	1% 1/10		0603	Resistor
X2/X3/C11	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
r						
Markon de la Maria OO						47/00

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X2/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X3/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C7  r	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	
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	
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	amp
X2/X3/U4	ADA4805-1AKSZ	unknown	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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/R25	RESISTOR	1.00Meg	1% 0603	Resisto	r
X2/X3/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X2/X3/R15	RESISTOR	3.00k	1% 0603	Resisto	r
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	1nF	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	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X3/R10 X2/X3/R12	RESISTOR	3.00k	1% 0603	Resisto	
40/00		J. 0011		NCSISCO.	

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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	1% 0603	Resisto	r
X2/X3/R9	RESISTOR	3.00k	1% 0603	Resisto:	r
X2/X3/R8	RESISTOR	0	1% 0603	Resisto:	r
X2/X3/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic	capacitor
X2/X2/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X2/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r X2/X2/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r X2/X2/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X2/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X2/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CALACITOR	o.iur	TOWVEC ATT	0003	cciamic capacito
x2/x2/C30 or	POLARIZED_CAPAC	ITOR	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	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X2/X2/C25 r	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	r
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X2/U10	DUAL_OPAMP	LM6142A	IM N/A	SO8	generic dual ope
rational amplif					5
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/R16 X2/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	0.1ur	TOWVDC A/K	0003	ceramic capacito
X2/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X2/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/R21 X2/X2/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X2/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X2/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X2/R1 X2/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X2/Q2	MMBFJ309		unknown SOT23	n-chann	
X2/X2/Q2 X2/X2/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0.11.11011011	J. IUI	TOWVDC MIN	3003	ceramic capacito

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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 SC70-6	Fast opamp
X2/X2/U8	ADA4805-1AKSZ		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	1uF	10WVDC X7R	0805 Ceramic capacito
r	CHILICITOR	141	100000 21710	ceramic 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	CAPACITOR	U.Iur	TOWVDC X/K	0003 Ceramic Capacito
X2/X2/R38	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/R38 X2/X2/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X2/X2/U11   X2/X2/C6	MAX4594DCKR CAPACITOR	unknown 0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAPACITOR			0603 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 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X2/X2/R4	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/R4 X2/X2/C20		1nF	50WVDC COG	
	CAPACITOR	TIIF	SOWVDC COG	0603 Ceramic capacito
r X2/X2/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r v2/v2/p14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X2/X2/R14 X2/X2/U9				
1 .	AD7984BRMZ		unknown MSOP10	ADC
X2/X2/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X2/X2/C18  r	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
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	
r			J. III VICICOUD	octamic capacito
X2/X2/R2	RESISTOR	2.00k	1% 0603	Resistor
X2/X2/R9	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/R8	RESISTOR	0	1% 0603	Resistor
X2/X2/K0 X2/X2/C1	CAPACITOR	0 220pF	50WVDC 0805	Ceramic capacitor
X2/X2/C1 X2/X1/R27	RESISTOR	44.2k	1% 1/10W	0603 Resistor
X2/X1/K2/ X2/X1/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r	CHINCIION	1. / UF	TOMADO VIV	TOTZ CETAMITE CAPACITO
X2/X1/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
r v2/v1/p20		2 011-	10, 1/101.7	0602
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
TO/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	C11111C11O10	1. / 41	100000 11710	1012	ceramic capacito
X2/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C11111C11O10	o.rar	100000 11710	0005	ceramic capacito
X2/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/R20	RESISTOR	1	1/4W 1206	Resisto:	
X2/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0111101101	0.141	1011/20 11/10	0005	ceramic capacito
X2/X1/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X1/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
x2/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif					J
X2/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	- <del></del>	<del></del>			
X2/X1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					-
X2/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					-
X2/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
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	unknown SOT23	n-chann	el jfet
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	Resisto:	
X2/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
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					
X2/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	
X2/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X2/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	D=G=G=G=	2 021	10 0000	_	
X2/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	r
Marko CO					E4/00

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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	12	CAPACITO	OR	0.1uF	16WVDC	X7R	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		DNP	25WVDC		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 CAPACITO	₹ ?	2.00k 3.00k 0 220pF	1% 1% 1% 50WVDC	0603 0603 0603 0805	Resistor Resistor Resistor Ceramic	c
Js or	StackCor	nn	unknown	unknown	RC422-2	00-101-30	000	Stacking connect
J1 r	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	CAPACITO RESISTOR RESISTOR RESISTOR	R R R DR DR SE+ DR unknown DR R R	22nF unknown 1uF 330 3.74k 3.74k	10WVDC 2 5% 0.15V 1% 1/10V 1% 1/10V	N N K7R K7R SO16 K7R Octal D K7R N	0603 PAC 0805 0805 0603 0603	Resistor Resistor Ceramic Ceramic analog r Ceramic Ceramic Resistor Resistor Resistor	capacitor capacitor mux capacitor capacitor capacitor
X1/C34 X1/C33 X1/U8 X1/C32 X1/U7 X1/C31	CAPACITO CAPACITO MAX308CS CAPACITO AD5328 CAPACITO	OR SE+ OR unknown	22nF	16WVDC 2 50WVDC 2 unknown 50WVDC 2 TSSOP16 25WVDC 2	K7R SO16 K7R Octal D	0603	Ceramic analog r Ceramic	capacitor capacitor mux capacitor capacitor
X1/L4 X1/C30 X1/L3 X1/C29 X1/L2	EXC-3BB CAPACITO EXC-3BB CAPACITO EXC-3BB	102H OR 102H OR 102H	unknown 22nF unknown 22nF unknown	unknown 50WVDC 2 unknown 50WVDC 2 unknown	0603 X7R 0603 X7R 0603	EMI chip 0603 EMI chip 0603 EMI chip	Ceramic Ceramic Ceramic	capacitor
X1/L1	EXC-3BB	102H	unknown	unknown	0603	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	01111011011	000F1	3311123			
X1/X6/R12	RESISTOR	470	1% 1/10	WC	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	WC	0603	Resistor
X1/X6/R7	RESISTOR	1.00Meg	1%	0603	Resisto	r
X1/X6/R1	RESISTOR	100k	1%	0603	Resisto	r
X1/X6/R2	RESISTOR	300k	1%	0603	Resisto	r
X1/X6/R3	RESISTOR	100k	1%	0603	Resisto	r
X1/X6/R4	RESISTOR	301k	1%	0603	Resisto	r
X1/X6/C1	CAPACITOR	330pF	50WVDC	X7R	0603	Ceramic capacito
r		_				_
X1/X6/R5	RESISTOR	470	1% 1/10	WC	0603	Resistor
X1/X6/C2	CAPACITOR	47nF	50WVDC	X7R	0805	Ceramic capacito
r						
X1/X5/R14	RESISTOR	301k	1%	0603	Resisto	r
X1/X5/R15	RESISTOR	301k	1%	0603	Resisto	r
X1/X5/U1	DUAL_OPAMP	LT2078A	IS8	N/A	S08	unknown
X1/X5/R13	RESISTOR	1.00Meg	1%	0603	Resisto	r
X1/X5/R8	RESISTOR	100k	1%	0603	Resisto	r
X1/X5/R9	RESISTOR	300k	1%	0603	Resisto	r
X1/X5/R10	RESISTOR	100k	1%	0603	Resisto	r
X1/X5/R11	RESISTOR	301k	1%	0603	Resisto	r
X1/X5/C4	CAPACITOR	330pF	50WVDC	X7R	0603	Ceramic capacito
r						
X1/X5/R12	RESISTOR	470	1% 1/10		0603	Resistor
X1/X5/C5	CAPACITOR	47nF	50WVDC	X7R	0805	Ceramic capacito
r						
X1/X5/C3	CAPACITOR	22nF	50WVDC	X7R	0603	Ceramic capacito
r				_		
X1/X5/R6	RESISTOR	49.9	1% 1/10		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	X7R	0603	Ceramic capacito
r	DDGTGE	480	10 1		0.600	
X1/X5/R5	RESISTOR	470	1% 1/10		0603	Resistor
X1/X5/C2	CAPACITOR	47nF	50WVDC	X7R	0805	Ceramic capacito
r		10 1 11 1		0.600	_	
X1/R62 RESISTOR		1% 1/10		0603	Resisto	r
X1/R57 RESISTOR		1%	0603	Resisto		
X1/R54 RESISTOR		1%	0603	Resisto		
X1/R47 RESISTOR	_		0603	Resisto		
X1/R46 RESISTOR		1%	0603	Resisto		anna ait
X1/C27 CAPACITO		100WVDC	A/K	0805		capacitor

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X1/R45	RESISTOR	40.2k 1% (	0603	Resistor	
X1/C26	CAPACITOR	33nF 25WVDC X	7R	0603 Ceramic cap	pacitor
X1/R44	RESISTOR	604k 1% (	0603	Resistor	
X1/R43	RESISTOR	10k 1% (	0603	Resistor	
X1/C25	CAPACITOR	22nF 100WVDC 2		0805 Ceramic cap	pacitor
X1/R42	RESISTOR			Resistor	
X1/Q2	PNP_TRANSISTOR	PMBTA92 unknown (	UB	unknown	
X1/R41	RESISTOR		0603	Resistor	
X1/R40	RESISTOR	10k 1% (	0603	Resistor	
X1/Q1	PNP_TRANSISTOR	PMBTA92 unknown (	UB	unknown	
X1/C24	CAPACITOR	0.1uF 25WVDC X	7R	0603 Ceramic cap	pacitor
X1/R39	RESISTOR	133k 1% (	0603	Resistor	
X1/U4	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dua	al operational
	ier, SO8				
X1/R38	RESISTOR			Resistor	
X1/R37	RESISTOR			Resistor	
X1/R36	RESISTOR			Resistor	
X1/C23	CAPACITOR	3.3nF 50WVDC X	7R	0603 Ceramic cap	pacitor
X1/R35	RESISTOR	470 1% 1/10W	_	0603 Resistor	
X1/C22	CAPACITOR	0.22uF 25WVDC X		1206 Ceramic car	pacitor
X1/U3	DUAL_OPAMP		N/A	SO8 unknown	
X1/C21	CAPACITOR	0.22uF 25WVDC X		1206 Ceramic car	
X1/C20	CAPACITOR	0.1uF 25WVDC X		0603 Ceramic car	pacitor
X1/R34	RESISTOR			Resistor	
X1/R33	RESISTOR			Resistor	
X1/R32	RESISTOR		0603	Resistor	
X1/R31	RESISTOR			Resistor	
X1/C19	CAPACITOR	3.3nF 50WVDC X	7R	0603 Ceramic car	pacitor
X1/R30	RESISTOR	470 1% 1/10W		0603 Resistor	
X1/R29	RESISTOR		0603	Resistor	
X1/R28	RESISTOR			Resistor	
X1/R27	RESISTOR			Resistor	
X1/R26	RESISTOR			Resistor	
X1/C18	CAPACITOR	3.3nF 50WVDC X	/R	0603 Ceramic cap	pacitor
X1/R25	RESISTOR	470 1% 1/10W 0.22uF 25WVDC X	7 D	0603 Resistor	
X1/C17	CAPACITOR			1206 Ceramic cap	Dacitor
X1/U2	DUAL_OPAMP		N/A	SO8 unknown	
X1/C15	CAPACITOR	0.1uF 25WVDC X 0.047uF 50WVDC X		0603 Ceramic cap	
X1/C16 X1/R24	CAPACITOR		7R 0603	0603 Ceramic cap Resistor	Dacitor
X1/R24 X1/R23	RESISTOR RESISTOR		0603	Resistor	
X1/R23 X1/R22	RESISTOR		0603	Resistor	
X1/R22 X1/R21	RESISTOR		0603	Resistor	
X1/R21 X1/R20	RESISTOR		0603	Resistor	
X1/C14	CAPACITOR	3.3nF 50WVDC X		0603 Ceramic cap	pacitor
X1/C14 X1/R19	RESISTOR	470 1% 1/10W	, 10	0603 Resistor	
X1/C13	CAPACITOR	0.22uF 25WVDC X	7R	1206 Ceramic car	pacitor
X1/R18	RESISTOR		0603	Resistor	
X1/R17	RESISTOR		0603	Resistor	
X1/R16	RESISTOR		0603	Resistor	
X1/R15	RESISTOR		0603	Resistor	
X1/R14	RESISTOR		0603	Resistor	
X1/C12	CAPACITOR	3.3nF 50WVDC X		0603 Ceramic cap	pacitor
X1/R13	RESISTOR	470 1% 1/10W		0603 Resistor	<del>-</del>
X1/C11	CAPACITOR	0.22uF 25WVDC X	7R	1206 Ceramic cap	pacitor
X1/R60	RESISTOR	49.9 1% 1/10W		0603 Resistor	
X1/R61	RESISTOR	49.9 1% 1/10W		0603 Resistor	
X1/C40	CAPACITOR	0.1uF 25WVDC X	7R	0603 Ceramic cap	pacitor
X1/U11	DUAL_OPAMP		N/A	-	al operational

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amplifier, SO8							<u> </u>
X1/U1 DUAL_OPA	AMP	LT2078A1	IS8	N/A	S08	unknown	
X1/R12 RESISTOR		24.9k	1% 1/10'		0603	Resisto	
X1/C10 CAPACITO		0.1uF	25WVDC		0603		capacitor
X1/C9 CAPACITO		0.1uF	25WVDC		0603		capacitor
X1/C8 CAPACITO		0.1uF	25WVDC		0603		capacitor
X1/R11 RESISTOR		54.9k	1%	0603	Resisto		
X1/R10 RESISTOR		82.5k	1%	0603	Resisto		
X1/R9 RESISTOR		604k	1%	0603	Resisto		
X1/R8 RESISTOR	R	953k	1%	0603	Resisto		
X1/R7 RESISTOR		200k	1%	0603	Resisto		
X1/C7 CAPACITO		3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X1/R6 RESISTOR	R	470	1% 1/10	W	0603	Resisto	
X1/C6 CAPACITO	OR	0.22uF	25WVDC	x7R	1206	Ceramic	capacitor
X1/U5 DUAL_OPA	AMP	LM6142A	IΜ	N/A	S08	generic	dual operational
amplifier, SO8						_	_
X1/R5 RESISTOR	R	4.75k	1% 1/10		0603	Resisto	
X1/C3 CAPACITO	OR	620pF	10WVDC		0805		capacitor
X1/R4 RESISTOR		14.7k	1% 1/10		0603	Resisto	
X1/R3 RESISTOR		1	1% 1/10		0603	Resisto	
X1/C2 CAPACITO		1uF	10WVDC		0805		capacitor
X1/C5 CAPACITO		1uF	10WVDC		0805		capacitor
X1/R2 RESISTOR		4.99	1% 1/10		0603	Resisto	
X1/C4 CAPACITO		1uF	10WVDC		0805		capacitor
X1/R1 RESISTOR		49.9	1% 1/10		0603	Resisto	r
X1/U6 REFERENCE		REF43GS		S08	2.5V Re		
X1/R59 RESISTOR		49.9	1% 1/10		0603	Resisto	
X1/X4/R27	RESISTOR		44.2k			0603	Resistor
X1/X4/C3 r	CAPACITO	OR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
X1/X4/C24 r	CAPACITO	OR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X1/X4/R28	RESISTOR	3	3.01k	1% 1/10	W	0603	Resistor
X1/X4/R6	RESISTOR	5	1	1% 1/10	W	0603	Resistor
X1/X4/C29 r	CAPACITO	)R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x1/x4/C30 or	POLARIZE	ED_CAPACI	ITOR	47uF	15WVDC	2711	Tantalum capacit
X1/X4/R39	RESISTOR	ર	15.0k	1% 1/10	) W	0603	Resistor
X1/X4/R40	RESISTOR		3.01k	1% 1/10		0603	Resistor
X1/X4/C28	CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
x1/x4/C25 r	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X4/R33	RESISTOR	ર	330	1% 1/10	W	0603	Resistor
X1/X4/R20	RESISTOR		1	1/4W	1206	Resisto	r
X1/X4/C23	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
X1/X4/R26	RESISTOR	ર	1.05k	1% 1/10	W	0603	Resistor
X1/X4/C10	CAPACITO	)R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r							
X1/X4/U10	DUAL_OPA	AMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif:		ND.	0 1	1 (1:11 75 ~	77D	0.000	Conservation and the
X1/X4/C14 r	CAPACITO	JK	0.1uF	16WVDC		0603	Ceramic capacito
X1/X4/R18	RESISTOR		5.11	1% 1/10		0603	Resistor
X1/X4/C13	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x1/x4/R17	RESISTOR	3	5.11	1% 1/10	M	0603	Resistor

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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/R16 X1/X4/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0111101101	0 1 2 0.2	2011/20 11/11		ociamic caracio
X1/X4/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X4/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	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	DEGICEOD	330	1% 1/10W	0603	Resistor
X1/X4/R22 X1/X4/C7	RESISTOR CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0111101101	0.141	1011/10	0005	ceramic capacito
X1/X4/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X4/R1 X1/X4/Q2	RESISTOR	4.32k	1% 1/10W unknown SOT23	0603 n-channe	Resistor
X1/X4/Q2 X1/X4/C22	MMBFJ309 CAPACITOR	0.1uF	16WVDC X7R	n-channe 0603	Ceramic capacito
r					_
X1/X4/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X4/R41	RESISTOR	301k	1% 0603	Resistor	
X1/X4/U6 X1/X4/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast opa	
X1/X4/U5	ADA4805-IAKSZ 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	1uF	10WVDC X7R	0805	Ceramic capacito
r X1/X4/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r X1/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R11	RESISTOR	2.00k	1% 0603	Resisto	v
X1/X4/K11 X1/X4/U12	MAX4594DCKR		unknown SC70		alog switch
X1/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X4/R38	RESISTOR	3.00k	1% 0603	Resistor	
X1/X4/U11   X1/X4/C6	MAX4594DCKR CAPACITOR	unknown 0.1uF	unknown SC70 16WVDC X7R	0603	alog switch Ceramic capacito
r	CUL ACTION	o.rur	TOMADO WILL	0003	ceramic capacito
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	Resisto	
X1/X4/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X4/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X1/X4/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r   X1/X4/C21   r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic 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					

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X1/X4/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X1/X4/R12	RESISTOR	3.00k	1% 0603		
X1/X4/U7	MAX4594DCKR		unknown SC70		alog switch
X1/X4/C4	CAPACITOR	100pF	5% NPO Vitre		Ceramic capacito
r	C11111C11O10	TOOPI	30 WIO VICIC	34B 0303	ceramic capacito
X1/X4/R2	RESISTOR	2.00k	1% 0603	Resisto	r
X1/X4/R9	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/R8	RESISTOR	0	1% 0603	Resisto	
X1/X4/C1	CAPACITOR	220pF	50WVDC 0805		- capacitor
X1/X3/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X1/X3/C3	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r	0111101101		2011/20 22/21		oolamic carecies
X1/X3/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X1/X3/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X1/X3/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	011111011011	0.141	101110	0000	ceramic capacite
X1/X3/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WV	DC 2711	Tantalum capacit
X1/X3/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X1/X3/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X1/X3/C28	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r X1/X3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/R20	RESISTOR	1	1/4W 1206	Resisto	
X1/X3/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R26	RESISTOR	1.05k	1% 1/10W	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			1 6	0.500	
X1/X3/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X3/C13 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X3/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X3/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		J. 141		0000	coramic capacito
X1/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	-	: <del>-</del>		<del>-</del>	<u>-</u>
X1/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C7 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/R23 X1/X3/R42	RESISTOR	4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X1/X3/R1 X1/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X3/Q2	MMBFJ309		unknown SOT2		el jfet
Mada and Mark OO		31117 WII			

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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
X1/X3/R41	RESISTOR	301k	1% 1/10W 1% 0603	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/K24 X1/X3/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r	CALACTION	Tur	TOWVEC X/IC	cclamic capacito
X1/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X1/X3/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	0.141	TOWVDC 1771	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	-	: <del>-</del>	- ·-	3 21.2 30
X1/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X1/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x1/x3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X1/X3/R25	RESISTOR	1.00Meg		Resistor
X1/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X1/X3/R15	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x1/x3/R4	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C20 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X1/X3/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
Y1 /Y2 /D1 4	DHGTGMOD	1.6 1	1 0. 1 /1 0 7.7	0603 Resistor
X1/X3/R14 X1/X3/U9	RESISTOR AD7984BRMZ	46.4	1% 1/10W unknown MSOP10	0603 Resistor ADC
X1/X3/R7 X1/X3/C18	RESISTOR CAPACITOR	DNP DNP	1% 1/10W 25WVDC X7R	0603 Resistor 0603 Ceramic capacito
r	CAPACITOR	DNP	ZOWVDC A/R	0003 Ceramic Capacito
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 r	CAPACITOR	100pF	5% NPO Vitreous	
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/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic capacitor
X1/X2/R27	RESISTOR	44.2k	1% 1/10W	0603 Resistor
X1/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r				
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/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X1/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	31111011011	J • 1 41		ceramic capacito
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	C/11/1C11010	1.741	TOWVDC	22 / 10	1012	ceramic capacito
X1/X2/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R33	RESISTOR	330	1% 1/10	ΟW	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		0603	Resistor
X1/X2/C10	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
r   X1/X2/U10	DUAL_OPAMP	LM6142A	TM	N/A	S08	generic dual ope
rational amplif				,	200	Series a draws of e
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	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X2/R17	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C11	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X1/X2/R16	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X1/X2/R16 X1/X2/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAPACITOR	U.IUF	TOWADC	A/K	0003	Ceramic Capacito
X1/X2/R5	RESISTOR	5.11	1% 1/10	λM	0603	Resistor
X1/X2/C9	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						
X1/X2/R21	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/C8	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X2/R22	RESISTOR	330	1% 1/10		0603	Resistor
X1/X2/C7	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r		222	10 1 /1/		0.500	
X1/X2/R23	RESISTOR	330	1% 1/10		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 CAPACITOR	unknown			n-chann	
X1/X2/C22 r	CAPACITUK	0.1uF	16WVDC	AIK	0003	Ceramic capacito
X1/X2/R13	RESISTOR	46.4	1% 1/10	ЭW	0603	Resistor
X1/X2/R41	RESISTOR	301k	1% 1/10	0603	Resisto	
X1/X2/U6	ADA4805-1AKSZ			n SC70-6	Fast op	
X1/X2/U8	ADA4805-1AKSZ			n SC70-6	Fast op	<del>-</del>
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	CAPACITOR	1uF	10WVDC	X7R	0805	Ceramic capacito
r						
X1/X2/C4a	CAPACITOR	30pF	5% NP0	Vitreous	0505	Ceramic capacito
r   X1/X2/C2	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r			20	- · - •		
X1/X2/R11	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X2/U12	MAX4594DCKR	unknown	unknow	n SC70	SPST and	alog switch
X1/X2/C17	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
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r						
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	0111110111011	0.141	1011120	11,10	0005	ceramic capacite
x1/x2/U3	MAX4594DCKR	unknown	unknown	sc70	SPST and	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	01121102201	0 1 2 3.2				ociamic caracio
X1/X2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r	01121102201		3311123			
x1/x2/C21	CAPACITOR	1nF	50WVDC	C0G	0603	Ceramic capacito
r						22200000
X1/X2/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X1/X2/U9	AD7984BRMZ	unknown			ADC	
X1/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X1/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r						-
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	Resistor	r
X1/X2/U7	MAX4594DCKR	unknown	unknown	n SC70	SPST and	alog switch
X1/X2/C4	CAPACITOR	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r		_				_
X1/X2/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X2/R9	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/R8	RESISTOR	0	1%	0603	Resisto	r
X1/X2/C1	CAPACITOR	220pF	50WVDC	0805	Ceramic	capacitor
X1/X1/R27	RESISTOR	44.2k	1% 1/10	) W	0603	Resistor
X1/X1/C3	CAPACITOR	4.7uF	10WVDC	X7R	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		0603	Resistor
X1/X1/R6	RESISTOR	1	1% 1/10		0603	Resistor
X1/X1/C29	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X1/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or						
X1/X1/R39	RESISTOR	15.0k	1% 1/10		0603	Resistor
X1/X1/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X1/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r				_		
X1/X1/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X1/R33	RESISTOR	330	1% 1/10		0603	Resistor
X1/X1/R20	RESISTOR	1	1/4W	1206	Resisto	
X1/X1/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r			40 4		0.555	_
X1/X1/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X1/X1/C10	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r				•		
X1/X1/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif						
X1/X1/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
00/00						

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r			eo.bom.txt		<u> </u>
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
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 ope Fast ope Fast ope 0603 0805	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	Resistor SPST and 0603	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   r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X1/X1/R10 X1/X1/R12 X1/X1/U7	RESISTOR RESISTOR MAX4594DCKR	3.00k 3.00k unknown		Resistor Resistor SPST analog switch
X1/X1/C4   r	CAPACITOR	100pF	5% NPO Vitreous	s 0505 Ceramic capacito
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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