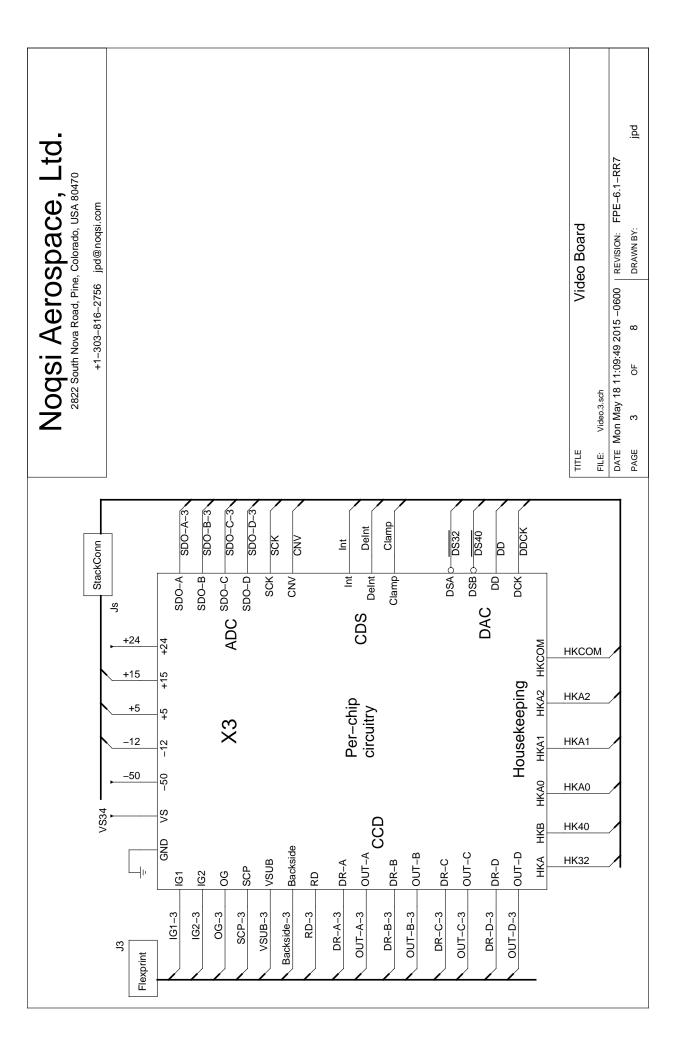
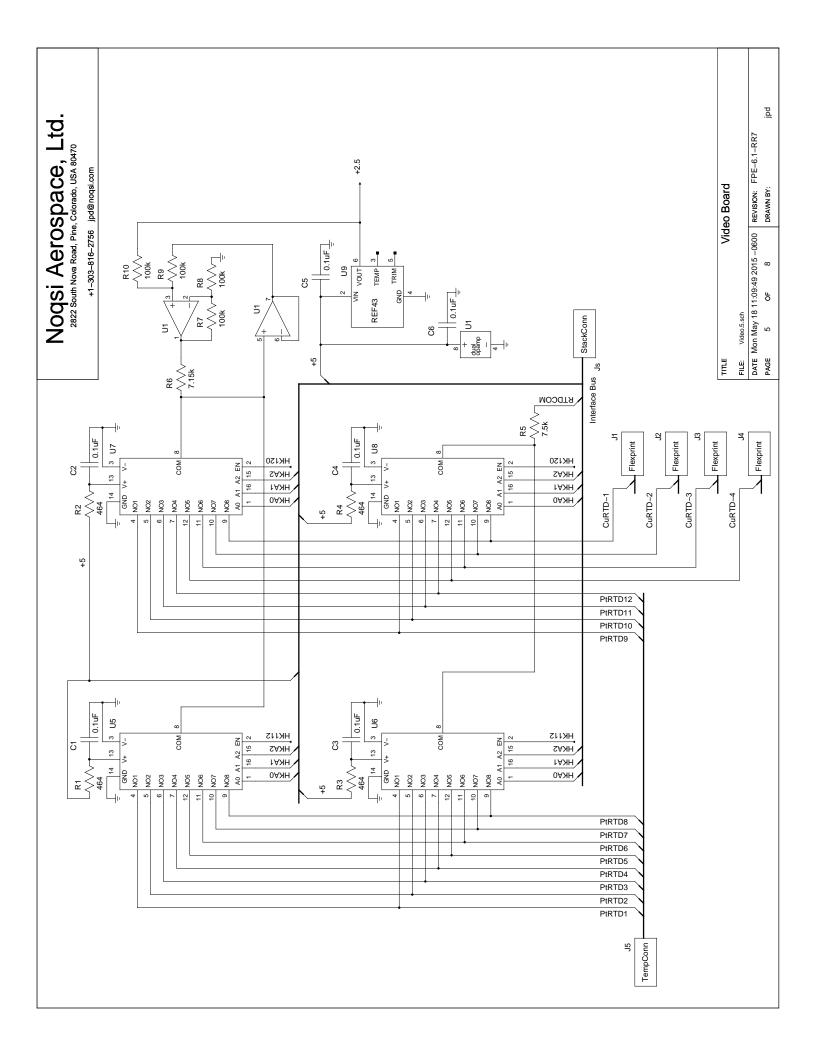
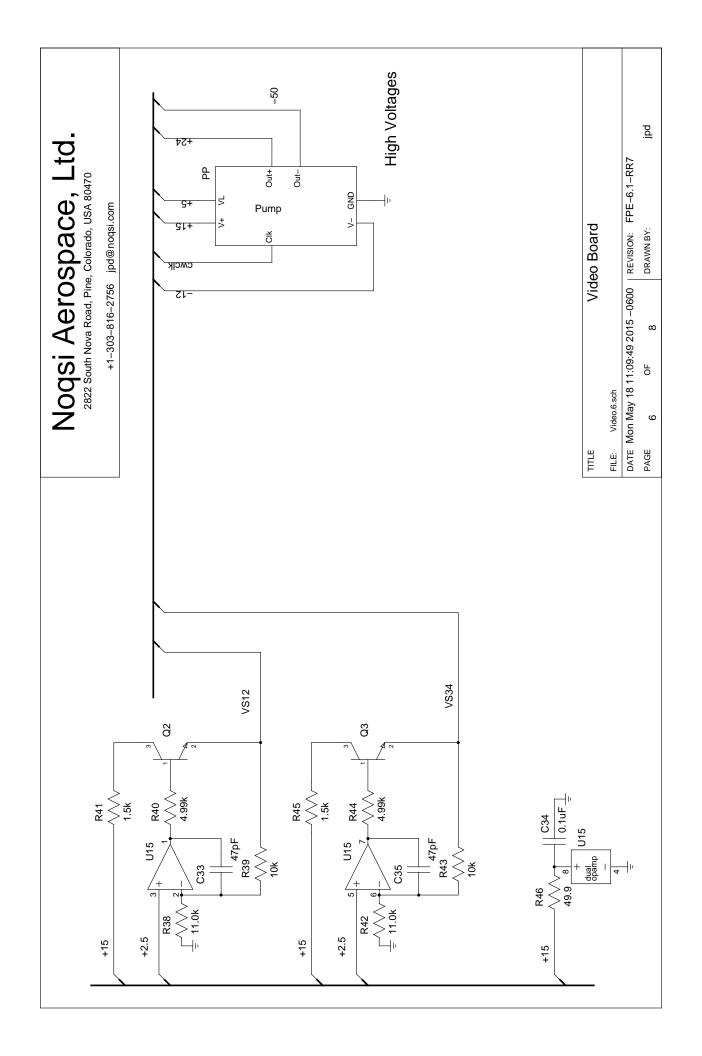


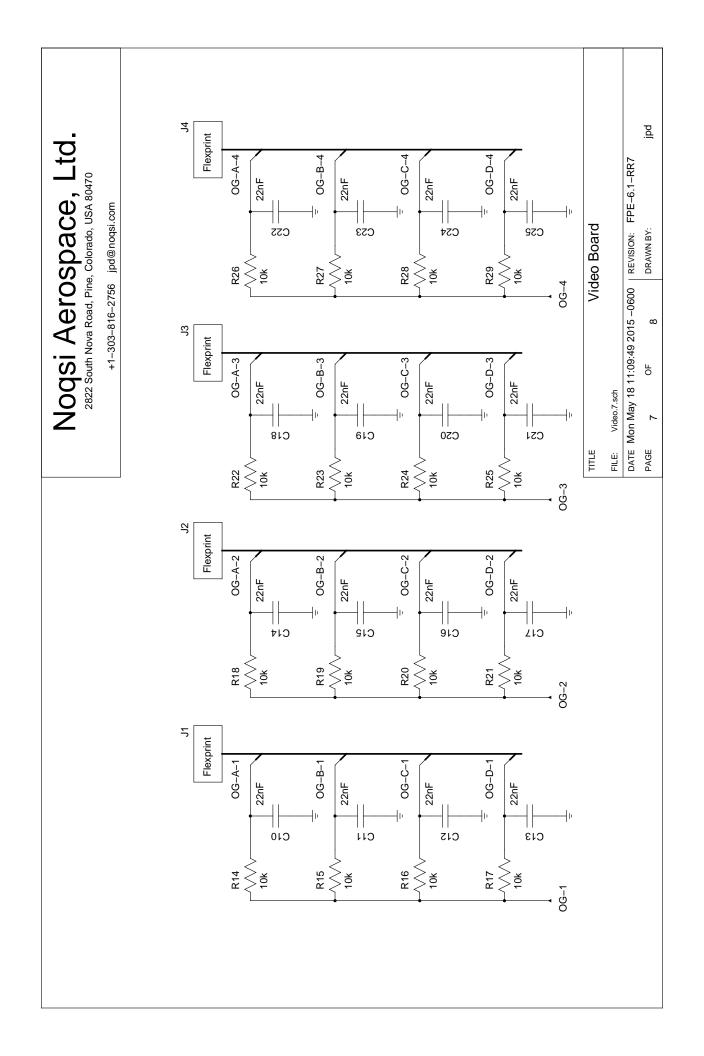
bd Nodsi Aerospace, Ltd DATE Mon May 18 11:09:49 2015 -0600 | REVISION: FPE-6.1-RR7 2822 South Nova Road, Pine, Colorado, USA 80470 +1-303-816-2756 jpd@noqsi.com Video Board DRAWN BY: FILE: Video.2.sch TITLE SDO-A-2 SDO-C-2 SDO-B-2 SDO-D-2 Clamp DeInt DDCK **DS16** CN/ Ħ StackConn 8 ADC SDO-C DSA DSB SDO-D t DeInt Clamp S SDO-A SDO-B SCK CNS 8 S DAC CDS +24 +24 HKA2 HKCOM HKCOM +15 Housekeeping HKA2 Per-chip circuitry +5 X HKA1 HKA1 -50 HKA0 HKA0 VS12 CCD HK24 HKA HKB GND Backside OUT-A OUT-B OUT-C OUT-D VSUB DR-B DR-C DR-D HK16 DR-A SCP 90 RD <u>6</u> DR-A-2 IG1-2 IG2-2 OG-2 SCP-2 VSUB-2 RD-2 Backside-2 OUT-A-2 DR-B-2 OUT-B-2 DR-C-2 OUT-C-2 DR-D-2 OUT-D-2 72 Flexprint

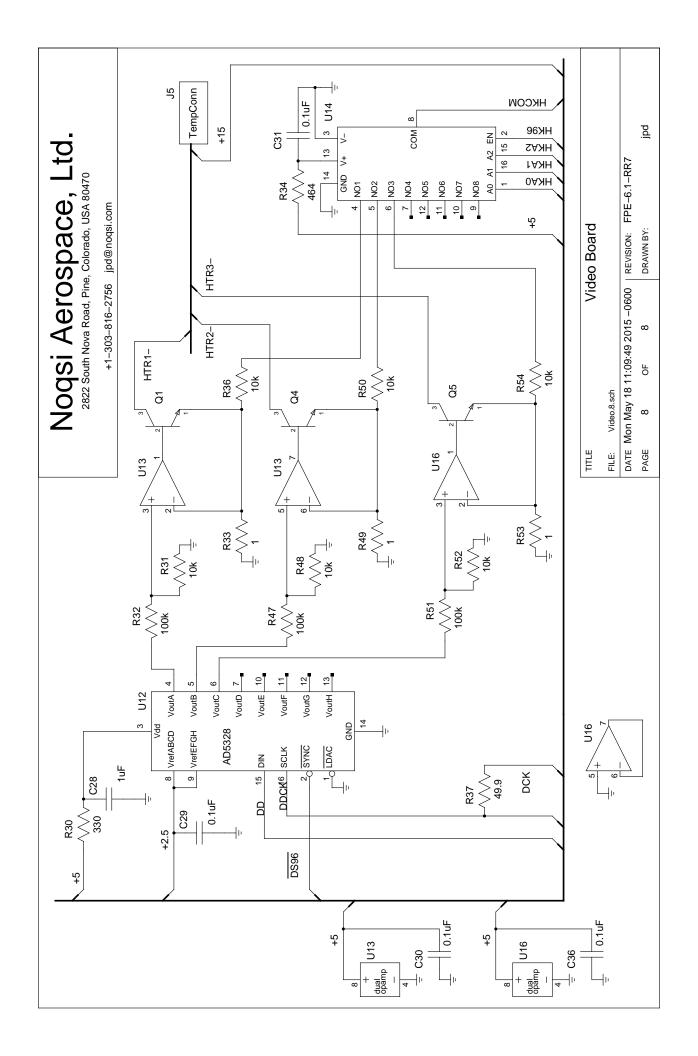


bd Nodsi Aerospace, Ltd DATE Mon May 18 11:09:49 2015 -0600 | REVISION: FPE-6.1-RR7 2822 South Nova Road, Pine, Colorado, USA 80470 +1-303-816-2756 jpd@noqsi.com Video Board DRAWN BY: FILE: Video.4.sch TITLE SD0-A-4 SDO-D-4 SDO-B-4 SDO-C-4 Clamp DeInt DDCK DS48 CN/ Ħ StackConn 8 ADC SDO-C DSA DSB t DeInt S SDO-A SDO-B SDO-D SCK CNS Clamp 8 S DAC CDS +24 +24 HKA2 HKCOM HKCOM +15 Housekeeping HKA2 Per-chip circuitry +5 **X** HKA1 HKA1 -50 HKA0 HKA0 VS34 CCD HK56 HKA HKB GND Backside OUT-A OUT-B OUT-C OUT-D VSUB DR-B DR-C DR-D HK48 DR-A SCP 90 RD <u>6</u> DR-A-4 IG1-4 IG2-4 OG-4 SCP-4 VSUB-4 RD-4 OUT-B-4 DR-D-4 DR-B-4 DR-C-4 OUT-D-4 Backside-4 OUT-A-4 OUT-C-4 4 Flexprint









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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					
R51	RESISTOR	100k	1% 1/10W	0603	Resistor	
R52	RESISTOR	10k	1% 1/10W	0603	Resistor	
R50	RESISTOR	10k	1% 1/10W	0603	Resistor	
R49	RESISTOR	1	1% 1/10W	0603	Resistor	
Q4	LM195H unknown					
R47	RESISTOR	100k	1% 1/10W	0603	Resistor	
R48	RESISTOR	10k	1% 1/10W	0603	Resistor	
U16	DUAL_OPAMP	LT2078A		S08	unknown	
C36	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
R36	RESISTOR	10k	1% 1/10W	0603	Resistor	
R33	RESISTOR	1	1% 1/10W	0603	Resistor	
Q1	LM195H unknown					
R32	RESISTOR	100k	1% 1/10W	0603	Resistor	
R31	RESISTOR	10k	1% 1/10W	0603	Resistor	
U13	DUAL_OPAMP	LT2078A		S08	unknown	
C28	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacit	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	
C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
U12			TSSOP16 Octal D			
R17	RESISTOR	10k	1% 1/10W	0603	Resistor	
C13	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R16	RESISTOR	10k	1% 1/10W	0603	Resistor	
C12	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R15	RESISTOR	10k	1% 1/10W	0603	Resistor	
C11	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R14	RESISTOR	10k	1% 1/10W	0603	Resistor	
C10	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R21	RESISTOR	10k	1% 1/10W	0603	Resistor	
C17	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R20	RESISTOR	10k	1% 1/10W	0603	Resistor	
C16	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R19	RESISTOR	10k	1% 1/10W	0603	Resistor	
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	
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	

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C22	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
R46	RESISTOR	49.9	1% 1/10W	0603	Resistor
C35	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacitor
C33	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacitor
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		25WVDC X7R	0603	Ceramic capacitor
R41	RESISTOR	1.5k	1% 1/4W 0603	Resisto	
R40	RESISTOR	4.99k	1% 1/4W 0003 1% 1/10W	0603	Resistor
Q2	NPN_TRANSISTOR				unknown
R39	RESISTOR	10k	1% 1/10W	0603	Resistor
R38		10k 11.0k	1% 1/10W 1% 1/10W	0603	Resistor
	RESISTOR				
U15	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual operational
	ier, SO8	0 (0		1010	
	CAPACITOR	0.68uF	50WVDC X7R	1812	Ceramic capacitor
	RESISTOR	23.7	1% 1/10W	0603	Resistor
	CAPACITOR	22nF	100WVDC X7R	0805	Ceramic capacitor
	RESISTOR	200	1% 1/10W	0603	Resistor
	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
	RESISTOR	100	5% 1/4W 1206	Resisto	
	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacitor
PP/R3	RESISTOR	60.4k	1% 1/10W	0603	Resistor
PP/R2	RESISTOR	30.1k	1% 1/10W	0603	Resistor
PP/R1	RESISTOR	16.9	1% 1/10W	0603	Resistor
PP/Q4	PMOS_TRANSISTOR		ON unknown	TO252AA	generic P channel MOS tr
	c (enhancement t				
PP/Q1	PNP_TRANSISTOR				unknown
PP/C11	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacitor
PP/C9	CAPACITOR	DNP	50WVDC X7R	0603	Ceramic capacitor
PP/C8	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/C7	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/C6	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/D8	DIODE 1N914UR	N/A	DO213AA Signal		
PP/D7	DIODE 1N914UR	N/A	DO213AA Signal	Diode	
PP/D6	DIODE 1N914UR	N/A	DO213AA Signal	Diode	
PP/D5	DIODE 1N914UR	N/A	DO213AA Signal	Diode	
PP/D4	DIODE 1N914UR	N/A	DO213AA Signal	Diode	
PP/C5	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/D3	DIODE 1N914UR		DO213AA Signal		-
PP/C4	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/D2	DIODE 1N914UR		DO213AA Signal		-
PP/C3	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/R10	RESISTOR	20	1% 1/10W	0603	Resistor
PP/C2	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
PP/D1	DIODE 1N914UR		DO213AA Signal		5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
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/Q3 PP/R7	RESISTOR	100	5% 1/10W	0603	Resistor
PP/R/ PP/C1	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
		unknown		DT switch	
PP/U1					
PP/R6	RESISTOR	133k	1% 1/10W	0603	Resistor
PP/R5	RESISTOR	26.7k	1% 1/10W	0603	Resistor
PP/R4	RESISTOR	16.9	1% 1/10W	0603	Resistor
PP/Q3	NMOS_TRANSISTOR	TKFKZZUI	unknown	10252AA	generic N channel MOS tr

Main	May 18.	15 11:13		Video.bor	n.txt	Page 3/42
PP/Q2			me)			. age 6/ :=
DIAL_OPAMP				2A unknov	vn IJB	unknown
C6 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor U9 REFERENCE RBF43GS N/A SO8 2.5V Reference R10 RESISTOR 100k 1\$ 1/10W 0603 Resistor R8 RESISTOR 100k 1\$ 1/10W 0603 Resistor R6 RESISTOR 7.15k 1\$ 1/10W 0603 Resistor R6 RESISTOR 7.15k 1\$ 1/10W 0603 Resistor R5 RESISTOR 7.15k 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 R2 RESISTOR 464 1\$ 1/10W 0603 Resistor R2 RESISTOR 404 1\$ 1/10W 0603 Resistor R5 TEMPCONN M						
C5						
The property The						
R9 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 R4 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Resistor MAX308CSB+ unknown unknown bolf 8 input analog mux M5 MAX308CSB+ unknown unknown sol6 8 input analog mux M1 RESISTOR 464 1% 1/10W 0603						
R8 RESISTOR 100k 1% 1/10w 0603 Resistor R6 RESISTOR 7.15k 1% 1/10w 0603 Resistor R6 RESISTOR 7.15k 1% 1/10w 0603 Resistor R5 RESISTOR 7.15k 1% 1/10w 0603 Resistor R6 RESISTOR 7.15k 1% 1/10w 0603 Resistor R6 RESISTOR 7.15k 1% 1/10w 0603 Resistor R6 RESISTOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R6 RESISTOR 464 1% 1/10w 0603 Resistor R7 RESISTOR 464 1% 1/10w 0603 Resistor R6 RESISTOR 464 1% 1/10w 0603 Resistor R7 RESISTOR 464 1% 1/10w 0603 Resistor R8 MAX308CSE+ unknown unknown S016 8 input analog mux R1 RESISTOR 464 1% 1/10w 0603 Resistor R6 MAX308CSE+ unknown unknown S016 8 input analog mux R1 RESISTOR 464 1% 1/10w 0603 Resistor R7 RESISTOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R6 RESISTOR 464 1% 1/10w 0603 Resistor R7 RESISTOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R7 RESISTOR 3.74k 1% 1/10w 0603 Resistor R8 R	R10	RESISTOR	100k	1% 1/10W	0603	Resistor
R7 RESISTOR 100k 1% 1/10W 0603 Resistor R5 RESISTOR 7.5k 1% 1/10W 0603 Resistor C4 CAPACITOR 0.1uF 16WDC X7R 0603 Ceramic capacitor C3 CAPACITOR 0.1uF 16WDC X7R 0603 Ceramic capacitor R4 RESISTOR 464 1% 1/10W 0603 Resistor R3 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Resistor U7 MAX308CSB+ unknown unknown Unknown S016 8 input analog mux U6 MAX308CSB+ unknown unknown S016 8 input analog mux U7 MAX308CSB+ unknown unknown S016 8 input analog mux U6 MAX308CSB+ unknown unknown S016 8 input analog mux U7 LEAPCITOR 0.1uF 16WVDC X7R 0603 Cerami	R9	RESISTOR	100k	1% 1/10W	0603	Resistor
R6 RESISTOR 7.15k 18 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 18 1/10W 0603 Resistor R2 RESISTOR 464 18 1/10W 0603 Resistor MAX308CSE+ unknown unknown sol6 8 input analog mux MAX308CSE+ unknown unknown sol6 8 input analog mux R1 RESISTOR 464 18 1/10W 0603 Resistor R4/C39 CAPACITOR 0.1uF 16WVDC X7R 0603 Resistor X4/C39 CAPACITOR 1uF 10WVDC X7R 0603 Cer	R8	RESISTOR	100k	1% 1/10W	0603	Resistor
R5 RESISTOR 7.5k 1% 1/10W 0603 Resistor C4 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R4 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Resistor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Resistor L8 RESISTOR 464 1% 1/10W 0603 Resistor L8 ARX308CSE+ unknown unknown both 10 unknown Winknown U6 MAX308CSE+ unknown unknown 10 unknown 8 input analog mux U5 MAX308CSE+ unknown unknown Winknown 10 unknown 10 unknown <td>R7</td> <td>RESISTOR</td> <td>100k</td> <td>1% 1/10W</td> <td>0603</td> <td>Resistor</td>	R7	RESISTOR	100k	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 C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R2 RESISTOR 464 1% 1/10W 0603 Resistor D5 TempConn MDM31P unknown unknown with unknown 0603 Resistor U7 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 MAX308CSE+ unknown unknown solfe 8 input analog mux U5 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor		RESISTOR		1% 1/10W		
C3 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R3 RESISTOR 464 1% 1/10W 0603 Resistor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor U8 MAX308CSE+ unknown unknown with withown unknown analog mux U5 MAX308CSE+ unknown unknown withown		RESISTOR				
R4 RESISTOR 464 1% 1/10W 0603 Resistor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R2 RESISTOR 464 1% 1/10W 0603 Resistor C2 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor R2 RESISTOR 464 1% 1/10W 0603 Resistor C3 RESISTOR MMM31P unknown Unknown S016 8 input analog mux MAX308CSE+ unknown unknown NR-2M2-051 Airborne 51 pin connector MAX308CSE+ unknown unknown NR-2M2-051 Airborne 51 pin connector MAX308CSE+ unknown unknown S016 8 input analog mux MAX308CSE+ unkno						
R3 RESISTOR 464 1% 1/10W 0603 Resistor R2 RESISTOR 464 1% 1/10W 0603 Ceramic capacitor R2 RESISTOR 464 1% 1/10W 0603 Resistor U8 MAX308CSE+ unknown unknown unknown S016 8 input analog mux U6 MAX308CSE+ unknown unknown S016 8 input analog mux U5 MAX308CSE+ unknown unknown S016 8 input analog mux U6 MAX308CSE+ unknown unknown S016 8 input analog mux U7 MAX308CSE+ unknown unknown S016 8 input analog mux U6 CAPACITOR 0.1uF 16WDC XTR 0603 Resistor U7 Flexprint unknown unknown NK-2M2-051 Airborne 51 pin connector X4/R51 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R53 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R51 RESISTOR 3.74k 1% 1/10W 0603 Resistor						
C2 CAPACITOR 0.1uF 16WDC X7R 0603 Ceramic capacitor J5 TempConn MDM31P unknown MDM31P unknown winknown S016 8 input analog mux U7 MAX308CSE+ unknown unknown winknown S016 8 input analog mux U6 MAX308CSE+ unknown unknown winknown S016 8 input analog mux U5 MAX308CSE+ unknown unknown winknown S016 8 input analog mux R1 RESISTOR 464 1½ 1/10W 0603 Resistor C1 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor X4/R51 RESISTOR 3.74 1/10W 0603 Resistor X4/R51 RESISTOR 3.74 1/10W 0603 Resistor X4/R52 RESISTOR 3.74 1/10W 0603 Resistor X4/R52 RESISTOR 3.74 1/10W 0603 Resistor X4/C36 CAPACITOR 0.1uF 16WVDC X7R						
RESISTOR						
TempCon						
U7 MAX308CSE+ unknown unknown S016 8 input analog mux U6 MAX308CSE+ unknown unknown S016 8 input analog mux U5 MAX308CSE+ unknown unknown S016 8 input analog mux U5 MAX308CSE+ unknown unknown S016 8 input analog mux R1 RESISTOR 464 1* 1/10W 6603 Ceramic capacitor C1 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor X4/R53 CAPACITOR 1uF 10WVDC X7R 0805 Ceramic capacitor X4/R53 RESISTOR 3.74k 1* 1/10W 0603 Resistor X4/R53 RESISTOR 3.74k 1* 1/10W 0603 Resistor X4/C35 CAPACITOR 21uF 16WVDC X7R 0603 Resistor X4/C37 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/C36 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/C31 CAPACITOR 3.74k 1* 1/10W <td></td> <td></td> <td></td> <td></td> <td></td> <td>kesistor</td>						kesistor
U7 MAX308CSE+ unknown unknown S016 8 input analog mux U5 MAX308CSE+ unknown unknown S016 8 input analog mux R1 RESISTOR 464 1% 1/10W 0603 Resistor C1 CAPACITOR 0.1uF 16WDC X7R 0603 Resistor J4 Flexprint unknown NK-2M2-051 Airborne 51 pin connecto X4/R51 RESISTOR 330 5% 0.15W 0805 Resistor X4/R51 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R52 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/C38 CAPACITOR 0.1uF 16WDC X7R 0603 Resistor X4/C38 CAPACITOR 2.1mF 50WDC X7R 0603 Ceramic capacitor X4/C35 CAPACITOR 2.2nF 50WDC X7R 0603 Ceramic capacitor X4/C35 CAPACITOR 1uF 10WDC X7R 0603 Ceramic capacitor X4/R48 RESISTOR 330 5% 0.15W<						1
U5 MAX308CSE+ MAX308CSE+ MAX308CSE+ Unknown unknown S016 8 input analog mux analog mu						
R5 MAX308CSE+ RESISTOR unknown unknown Sol6 16wyDC 8 input 16wyDC analog Resistor mux C1 CAPACITOR Flexprint 0.1uF 16wyDC X7R 0603 Ceramic capacitor X4/C39 CAPACITOR 1uF 10WVDC X7R 0805 Ceramic capacitor X4/R51 RESISTOR 330 5% 0.15W 0805 Resistor X4/R52 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R52 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R53 CAPACITOR 0.1uF 16wVDC X7R 0603 Ceramic capacitor X4/R53 CAPACITOR 0.1uF 16wVDC X7R 0603 Ceramic capacitor X4/101 MAX308CSE+ unknown unknown S016 8 input analog mux X4/780 CAPACITOR 1uF 16wVDC X7R 0603 Ceramic capacitor X4/R50 RESISTOR 3.74k 1½ 1/10W						
RESISTOR						
C1						
J4 Flexprint unknown unknown NK-2M2-051 Airborne 51 pin connector x4/C39 CAPACITOR luF 10WVDC X7R 0805 Ceramic capacitor X4/R51 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R52 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/C38 CAPACITOR 2.1uF 16WVDC X7R 0603 Ceramic capacitor X4/C37 CAPACITOR 2.2nF 50WVDC X7R 0603 Ceramic capacitor X4/U10 MAX308CSE+ unknown unknown Solve X7R 0603 Ceramic capacitor X4/C36 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/C35 CAPACITOR 1uF 10WVDC X7R 0805 Ceramic capacitor X4/R48 RESISTOR 3.74k 11/10W 0603 Resistor X4/R30 CAPACITOR 2.1uF 10WVDC X7R 0805 Resistor X4/C31 CAPACITOR 2.2nF			-			
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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/U10 MAX308CSE+ unknown unknown unknown sinput analog mux X4/U9 AD5328 unknown unknown TSSOP16 Octal DAC X4/C35 CAPACITOR 1uF 10WVDC X7R 0603 Ceramic capacitor X4/R50 RESISTOR 330 5% 0.15W 0805 Ceramic capacitor X4/R50 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/R49 RESISTOR 3.74k 1% 1/10W 0603 Resistor X4/C31 CAPACITOR 0.1uF 16WVDC X7R 0603 Ceramic capacitor X4/C34 CAPACITOR 2nF 50WVDC X7R 0603 Ceramic capacitor X4/U8 MAX308CSE+ unknown unknown unknown <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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X4/L4 EXC-3BB102H unknown unknown 0603 EMI chip X4/C30 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/L3 EXC-3BB102H unknown unknown 0603 Ceramic capacitor X4/C29 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/L1 EXC-3BB102H unknown unknown 0603 EMI chip X4/C28 CAPACITOR 22nF 50WVDC X7R 0603 Ceramic capacitor X4/X6/R14 RESISTOR 301k 1% 0603 Resistor X4/X6/U1 DUAL_OPAMP LT2078AIS8 N/A S08 unknown X4/X6/R13 RESISTOR 1.00Meg 1% 0603 Resistor X4/X6/R8 RESISTOR 100k 1% 0603 Resistor						Coromia appositor
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X4/X6/R13						
X4/X6/R8 RESISTOR 100k 1% 0603 Resistor						
X4/X6/R9 RESISTOR 300k 1% 0603 Resistor				100k 1%		Resistor
	X4/X6/R9	RESISTOR	?	300k 1%	0603	Resistor

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X4/X6/R10	RESISTO		100k	1%	0603	Resisto	
X4/X6/R11	RESISTO		301k	1%	0603	Resisto	
X4/X6/C4 r	CAPACIT	OR	330pF	50WVDC	X/R	0603	Ceramic capacito
X4/X6/R12	RESISTO:	D	470	1% 1/10	ראז (0603	Resistor
X4/X6/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	CAPACII	OK	4 / III.	JOWVDC	X/IC	0003	ceramic capacito
X4/X6/C3	CAPACIT	ΩP	22nF	50WVDC	у 7р	0603	Ceramic capacito
r	CHILICII	OIC	22111	JOWVDC	22 / 10	0003	ceramic capacito
X4/X6/R6	RESISTO	P	49.9	1% 1/10	רא ר	0603	Resistor
X4/X6/R7	RESISTO:		1.00Meg	•	0603	Resisto	
X4/X6/R1	RESISTO:		100k	1%	0603	Resisto	
X4/X6/R2	RESISTO:		300k	1%	0603	Resisto	
X4/X6/R3	RESISTO:		100k	1%	0603	Resisto	
X4/X6/R4	RESISTO		301k	1%	0603	Resisto	
X4/X6/C1	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r	CAPACIT	OK	330pr	30WVDC	A/R	0003	Ceramic Capacito
x4/x6/R5	RESISTO	D	470	1% 1/10	זער	0603	Resistor
						0805	
X4/X6/C2 r	CAPACIT	OK	47nF	50WVDC	AIK	0005	Ceramic capacito
x4/x5/R14	RESISTO	D	301k	1%	0603	Resisto	r
X4/X5/R14 X4/X5/R15	RESISTO		301k 301k	1%	0603	Resisto:	
	DUAL OP.		LT2078A				
X4/X5/U1	_				N/A	SO8	unknown
X4/X5/R13	RESISTO:		1.00Meg 100k	18	0603	Resisto:	
X4/X5/R8	RESISTO:		300k	1%	0603 0603	Resisto:	
X4/X5/R9	RESISTO:					Resisto:	
X4/X5/R10	RESISTO:		100k	1%	0603	Resisto	
X4/X5/R11	RESISTO:		301k	1%	0603	Resisto:	
X4/X5/C4 r	CAPACIT	OR	330pF	50WVDC	X/R	0603	Ceramic capacito
X4/X5/R12	RESISTO:	R	470	1% 1/10	λM	0603	Resistor
X4/X5/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	CALACII	OIC	4/111	JOWVDC	22 / 10	0003	ceramic capacito
x4/x5/C3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
r							
X4/X5/R6	RESISTO:	R	49.9	1% 1/10	WC	0603	Resistor
X4/X5/R7	RESISTO:	R	1.00Meg	1%	0603	Resisto:	r
X4/X5/R1	RESISTO:	R	100k	1%	0603	Resisto:	r
X4/X5/R2	RESISTO:	R	300k	1%	0603	Resisto:	
X4/X5/R3	RESISTO:	R	100k	1%	0603	Resisto:	r
X4/X5/R4	RESISTO:	R	301k	1%	0603	Resisto:	r
X4/X5/C1	CAPACIT	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
Y / / V F / D F	DHGTGTG	D	470	10. 1/1/) T-7	0.603	Danish
X4/X5/R5	RESISTO:		470	1% 1/10		0603	Resistor
X4/X5/C2	CAPACIT	OK	47nF	50WVDC	A/K	0805	Ceramic capacito
r X4/R62 RESISTO	D	49.9	1% 1/10V	ΑŢ	0603	Resisto	r
X4/R57 RESISTO		49.9 301k	18 1/10	v 0603	Resisto		<u> </u>
X4/R54 RESISTO		0 X	1%	0603	Resisto		
X4/R47 RESISTO		0 3.01Meg		0603	Resisto		
X4/R46 RESISTO		37.4k	1%	0603	Resisto		
X4/K46 RESISTO		37.4k 22nF	100WVDC		0805		capacitor
X4/C2/ CAPACITO		40.2k	100WVDC	0603	Resisto		Capacitor
X4/C26 CAPACITO		33nF	25WVDC 2		0603		capacitor
X4/R44 RESISTO		604k	1%	0603	Resisto		Capacitor
X4/R43 RESISTO		10k	1%	0603	Resisto		
X4/C25 CAPACITO		22nF	100WVDC		0805		capacitor
X4/C25 CAPACITO		10k	100WVDC	0603	Resisto		Capacitor
	K NSISTOR		unknown		unknown		
A4/QZ PNP_IRA	INDIDION	FNDIAJZ	diivii0MII	מט	UIINIIOWII		

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X4/R41	RESISTOR	200k	1%	0603	Resistor	
X4/R40	RESISTOR	10k	1%	0603	Resistor	
X4/Q1	PNP_TRANSISTOR	PMBTA92			unknown	~
X4/C24	CAPACITOR	0.1uF	25WVDC			Ceramic capacitor
X4/R39	RESISTOR	133k	1%	0603	Resistor	
X4/U4	DUAL_OPAMP	LM6142A	LIM	N/A	S08	generic dual operational
_	ier, SO8 RESISTOR	604k	1%	0603	Resistor	
X4/R37	RESISTOR	392k	1%	0603	Resistor	
X4/R36	RESISTOR	200k	1%	0603	Resistor	
X4/R30 X4/C23	CAPACITOR	3.3nF	50WVDC			Ceramic capacitor
X4/R35	RESISTOR	470	1% 1/10			Resistor
X4/C22	CAPACITOR	0.22uF	25WVDC			Ceramic capacitor
X4/U3	DUAL_OPAMP	LT2078A		N/A		unknown
X4/C21	CAPACITOR	0.22uF	25WVDC			Ceramic capacitor
X4/C20	CAPACITOR	0.1uF	25WVDC			Ceramic capacitor
X4/R34	RESISTOR	44.2k	1%	0603	Resistor	-
X4/R33	RESISTOR	604k	1%	0603	Resistor	
X4/R32	RESISTOR	56.2k	1%	0603	Resistor	
X4/R31	RESISTOR	200k	1%	0603	Resistor	
	CAPACITOR	3.3nF	50WVDC			Ceramic capacitor
X4/R30	RESISTOR	470	1% 1/10			Resistor
X4/R29	RESISTOR	44.2k	1%	0603	Resistor	
X4/R28	RESISTOR	604k	1%	0603	Resistor	
X4/R27	RESISTOR	56.2k	1%	0603	Resistor	
X4/R26	RESISTOR	200k	1%	0603	Resistor	
X4/C18	CAPACITOR	3.3nF	50WVDC			Ceramic capacitor
X4/R25	RESISTOR	470	1% 1/10			Resistor
X4/C17	CAPACITOR	0.22uF	25WVDC			Ceramic capacitor
X4/U2	DUAL_OPAMP	LT2078A		N/A		unknown
X4/C15	CAPACITOR	0.1uF 0.047uF	25WVDC			Ceramic capacitor Ceramic capacitor
X4/C16 X4/R24	CAPACITOR RESISTOR	54.9k	1%	0603	Resistor	ceramic capacitor
X4/R23	RESISTOR	82.5k	1%	0603	Resistor	
X4/R23 X4/R22	RESISTOR	604k	1%	0603	Resistor	
X4/R21	RESISTOR	953k	1%	0603	Resistor	
X4/R20	RESISTOR	200k	1%	0603	Resistor	
X4/C14	CAPACITOR	3.3nF	50WVDC			Ceramic capacitor
X4/R19	RESISTOR	470	1% 1/10			Resistor
X4/C13	CAPACITOR	0.22uF	25WVDC			Ceramic capacitor
X4/R18	RESISTOR	54.9k	1%	0603	Resistor	-
X4/R17	RESISTOR	82.5k	1%	0603	Resistor	
X4/R16	RESISTOR	604k	1%	0603	Resistor	
X4/R15	RESISTOR	953k	1%	0603	Resistor	
X4/R14	RESISTOR	200k	1%	0603	Resistor	
X4/C12	CAPACITOR	3.3nF	50WVDC			Ceramic capacitor
	RESISTOR	470	1% 1/10			Resistor
X4/C11	CAPACITOR	0.22uF	25WVDC			Ceramic capacitor
X4/R60	RESISTOR	49.9	1% 1/10			Resistor
X4/R61	RESISTOR	49.9	1% 1/10			Resistor
X4/C40	CAPACITOR	0.1uF	25WVDC			Ceramic capacitor
X4/U11	DUAL_OPAMP	LM6142A1	ΓΙΛΙ	N/A	S08	generic dual operational
_	ier, SO8	T m 2 0 7 0 7 7	r C 0	NT / 7A	GO 0	unlengen
X4/U1	DUAL_OPAMP	LT2078A		N/A		unknown
X4/R12	RESISTOR	24.9k	1% 1/10 25WVDC			Resistor
X4/C10 X4/C9	CAPACITOR CAPACITOR	0.1uF 0.1uF	25WVDC			Ceramic capacitor Ceramic capacitor
X4/C9 X4/C8	CAPACITOR	0.1uF 0.1uF	25WVDC			Ceramic capacitor Ceramic capacitor
X4/C8 X4/R11	RESISTOR	54.9k	1%	0603	Resistor	ceramic capacitor
77-1/IVII	KEDIDIOK	$\mathcal{I}_{\mathcal{I}}$. $\mathcal{I}_{\mathcal{K}}$	T 0	0003	TOJETOUL	

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X4/R10	RESISTOR	₹	82.5k	1%	0603	Resisto	 r	
X4/R9	RESISTOR		604k	1%	0603	Resisto		
X4/R8	RESISTOR		953k	1%	0603	Resisto		
X4/R7	RESISTOR		200k	1%	0603	Resisto		
X4/R7 X4/C7	CAPACIT(3.3nF	50WVDC		0603		capacitor
						0603		
X4/R6	RESISTOR		470	1% 1/10V			Resisto	
X4/C6	CAPACITO		0.22uF	25WVDC 2		1206		capacitor
X4/U5	DUAL_OPA	AMP	LM6142A	LM	N/A	S08	generic	dual operational
	ier, SO8							
X4/R5	RESISTOR		4.75k	1% 1/10		0603	Resisto:	
X4/C3	CAPACITO		620pF	10WVDC		0805		capacitor
X4/R4	RESISTO	?	14.7k	1% 1/10		0603	Resisto:	r
X4/R3	RESISTOR	2	1	1% 1/10	V	0603	Resisto:	r
X4/C2	CAPACITO	OR	1uF	10WVDC	K7R	0805	Ceramic	capacitor
X4/C5	CAPACITO	OR	1uF	10WVDC 2	K7R	0805	Ceramic	capacitor
X4/R2	RESISTOR		4.99	1% 1/10	V	0603	Resisto	
X4/C4	CAPACITO		1uF	10WVDC		0805		capacitor
X4/R1	RESISTOR		49.9	1% 1/10		0603	Resisto	
X4/U6	REFERENC		REF43GS		SO8	2.5V Re		_
X4/R59	RESISTO		49.9	1% 1/10V		0603	Resisto:	r
X4/X4/R		RESISTO		44.2k	1% 1/10		0603	Resistor
X4/X4/C		CAPACIT(4.7uF	10WVDC		1812	Ceramic capacito
	3	CAPACIIC	JK	4./ur	TOMADC	A/K	1012	Ceramic Capacito
x4/x4/C	24	CAPACITO	OR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r	0.0	DEGEGE	5	2 011-	10 1/10	17.7	0.602	De adamt and
X4/X4/R2		RESISTOR		3.01k	1% 1/10		0603	Resistor
X4/X4/R6		RESISTOR		1	1% 1/10		0603	Resistor
X4/X4/C2	29	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x4/x4/C	30	POLARIZI	ED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X4/X4/R3	39	RESISTOR	3	15.0k	1% 1/10	W	0603	Resistor
X4/X4/R4		RESISTOR		3.01k	1% 1/10		0603	Resistor
X4/X4/C		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r X4/X4/C	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r			_	0.0.6			0.555	
X4/X4/R		RESISTOR		330	1% 1/10		0603	Resistor
X4/X4/R2		RESISTOR		1	1/4W	1206	Resisto:	
X4/X4/C	23	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								
X4/X4/R2		RESISTOR		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	ĽΜ	N/A	S08	generic dual ope
	l amplif:			 		,	-	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
X4/X4/C		CAPACIT(OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R	1.8	RESISTOR	2	5.11	1% 1/10	1747	0603	Resistor
X4/X4/R		CAPACIT(0.1uF	16WVDC		0603	Ceramic capacito
	T 3	CAPACITO	717	U.IUF	TOMADO	Λ/Γ	0003	ceramic capacito
r v4/v4/p	1 7	DEGTORO	2	E 11	10, 1/10	17.7	0603	Dogiator
X4/X4/R3		RESISTOR		5.11	1% 1/10		0603	Resistor
X4/X4/C	ΤŢ	CAPACITO	JK	0.1uF	16WVDC	X/K	0603	Ceramic capacito
X4/X4/R3	16	RESISTOR	ર	5.11	1% 1/10	W	0603	Resistor
X4/X4/C!		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
$\begin{vmatrix} x_1/x_1/c_1 \\ r \end{vmatrix}$	-	210-10	-	3.141				
X4/X4/R!	5	RESISTOR	₹	5.11	1% 1/10	W	0603	Resistor
X4/X4/C		CAPACIT(0.1uF	16WVDC		0603	Ceramic capacito
221/227/03		CITE ACT I		J. 1 U.F	TOW VDC	22 / 10		Monday May 19, 2015

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r					
X4/X4/R21	RESISTOR	330	1% 1/10W	0603 Resistor	_
X4/X4/C8	CAPACITOR	0.1uF	16WVDC X7R		capacito
r					_
X4/X4/R22	RESISTOR	330	1% 1/10W	0603 Resistor	<u>c</u>
X4/X4/C7	CAPACITOR	0.1uF	16WVDC X7R		capacito
r					_
X4/X4/R23	RESISTOR	330	1% 1/10W	0603 Resistor	_
X4/X4/R42	RESISTOR	4.32k	1% 1/10W	0603 Resistor	<u>-</u>
X4/X4/R1	RESISTOR	4.32k	1% 1/10W	0603 Resistor	<u> </u>
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	<u>C</u>
X4/X4/R41	RESISTOR	301k	1% 0603	Resistor	
X4/X4/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp	
X4/X4/U4 X4/X4/R24	ADA4805-1AKSZ RESISTOR	unknown 20	unknown SC70-6 1% 1/10W	Fast opamp 0603 Resistor	
X4/X4/R24 X4/X4/C16	CAPACITOR	20 1uF	10WVDC X7R		capacito
x4/x4/C16	CAPACITOR	lur	IUWVDC A/R	0805 Ceramic	CapaCILO
X4/X4/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic	capacito
r	CAPACITOR	30pr	Jo NFO VICIEOUS	0303 CETAMITE	Capacito
X4/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r	01111011011	0.141	1011120 11710	ovos ceramino	Capacito
X4/X4/R11	RESISTOR	2.00k	1% 0603	Resistor	
X4/X4/U12	MAX4594DCKR		unknown SC70	SPST analog swit	ch
X4/X4/C17	CAPACITOR	0.1uF	16WVDC X7R		capacito
r					-
X4/X4/R38	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog swit	
X4/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r	150.4		1		,
X4/X4/U3	MAX4594DCKR		unknown SC70	SPST analog swit	cch
X4/X4/R25	RESISTOR	1.00Meg		Resistor	
X4/X4/R19	RESISTOR	62	5% 0.15W	0805 Resistor	_
X4/X4/R15	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
X4/X4/R4	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/R4 X4/X4/C20	CAPACITOR	1nF	50WVDC COG		capacito
r	C111 11C1 1 OIL	±111	3 3 W V D C C C C C C	CCIAMILE	Capacito
X4/X4/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic	capacito
r				2200 CCI Gillio	20100
X4/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor	<u>c</u>
X4/X4/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor	<u>-</u>
X4/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic	capacito
r		_			_
X4/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic	capacito
r		0 00:			
X4/X4/R10	RESISTOR	3.00k	1% 0603	Resistor	
X4/X4/R12	RESISTOR	3.00k	1% 0603	Resistor	1.
X4/X4/U7	MAX4594DCKR		unknown SC70	SPST analog swit	
X4/X4/C4	CAPACITOR	100pF	5% NPO Vitreous	usus Ceramic	capacito
r X4/X4/R2	RESISTOR	2.00k	1% 0603	Resistor	
X4/X4/R2 X4/X4/R9	RESISTOR	2.00k 3.00k	1% 0603	Resistor	
Manaday May 40, 004		3.002	± 0 0003	ICO I D COI	

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X4/X4/R8	RESISTOR	0	1% 0603	Resisto	r
X4/X4/C1	CAPACITOR	220pF	50WVDC 0805		capacitor
X4/X3/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X4/X3/C3 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X4/X3/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r X4/X3/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X4/X3/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X4/X3/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
X4/X3/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X4/X3/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X4/X3/C28	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r X4/X3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/R20	RESISTOR	1	1/4W 1206	Resisto	
X4/X3/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X4/X3/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
x4/x3/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C13 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
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	D D G T G D O D	- 11	10 1 /10**	0.602	5
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C7	CAPACITOR	0.1uF	16 I/IOW 16WVDC X7R	0603	Ceramic capacito
r x4/x2/D22	DEGICEOD	220	10, 1 /1 0 7.7	0603	Dogiator
X4/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X3/Q2	MMBFJ309		unknown SOT23	n-chann	
X4/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X3/R41	RESISTOR	301k	1% 0603	Resisto	
X4/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X3/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp

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X4/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X4/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X4/X3/C16	CAPACITOR	luF	10WVDC X7R	0805 Ceramic capacito
r	071171011011	141	1011/16	ceramic eapacies
X4/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X4/X3/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X4/X3/R11	RESISTOR	2.00k	1% 0603	Resistor
X4/X3/K11 X4/X3/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X3/012 X4/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAPACITOR	U.lur	10WVDC X/R	0003 Ceramic Capacito
X4/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CAFACITOR	0.1ur	IOWVDC X/R	0003 Celamic Capacico
X4/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X4/X3/R25	RESISTOR	1.00Meg		Resistor
X4/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X4/X3/R15 X4/X3/R15	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	011111011011	0.141	1011/20 11/10	cord ceramic capacito
x4/x3/R4	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r				
X4/X3/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
x4/x3/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X4/X3/U9	AD7984BRMZ		unknown MSOP10	ADC
X4/X3/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X4/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r	0111101101		2011/20 22/21	cora coramic caracter
X4/X3/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X4/X3/R10	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/R10 X4/X3/R12	RESISTOR	3.00k	1% 0603	Resistor
X4/X3/K12 X4/X3/U7	MAX4594DCKR	_	unknown SC70	SPST analog switch
X4/X3/C4	CAPACITOR	100pF	5% NPO Vitreous	
r	CAPACITOR	TOOPL	3% NFO VICIEOUS	0303 Ceramic 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 capacitor
X4/X2/R27	RESISTOR	44.2k	1% 1/10W	0603 Resistor
X4/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r	0111101101	- 7 7 512	2011/20 22/21	Toll oclamic capacito
X4/X2/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
X4/X2/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X4/X2/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X4/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	0.11.1101.1011	J . I UI	TOWADC 77/10	ceramic capacito
X4/X2/C30	POLARIZED_CAPAC	TTOR	47uF 15WVDC	2711 Tantalum capacit
or	1 OLIMITADD_CIM AC		1,41 15,44,00	1,11 rancaram capacit
X4/X2/R39	RESISTOR	15.0k	1% 1/10W	0603 Resistor
X4/X2/R40	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X4/X2/C28	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic capacito
r				
X4/X2/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito

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r					-
X4/X2/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R20	RESISTOR	1	1/4W 1206	Resisto	
X4/X2/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X4/X2/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif X4/X2/C14		0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR				_
X4/X2/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/R3 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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X4/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R42 X4/X2/R1	RESISTOR RESISTOR	4.32k 4.32k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X4/X2/R1 X4/X2/Q2	MMBFJ309		unknown SOT23	n-channe	
X4/X2/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X4/X2/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X2/R41	RESISTOR	301k	1% 0603	Resisto	
X4/X2/U6 X4/X2/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast op	
X4/X2/U5	ADA4805-IAKSZ		unknown SC70-6	Fast opa	=
X4/X2/U4	ADA4805-IAKSZ		unknown SC70-6	Fast op	
X4/X2/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X4/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r X4/X2/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r	C111 11CT T OIL	2051	OU INTO VICIEOUS	5505	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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X2/K36 X4/X2/U11	MAX4594DCKR		unknown SC70		alog switch
X4/X2/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X2/U3	MAX4594DCKR	unknown	unknown SC70	CDCT and	alog switch
X4/X2/U3 X4/X2/R25	RESISTOR	1.00Meg		Resisto:	
20/02					_

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X4/X2/R19	RESISTOR	62	5% 0.15		0805	Resistor
X4/X2/R15	RESISTOR	3.00k	1%	0603	Resisto	
X4/X2/C12	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X4/X2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						-
X4/X2/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r X4/X2/R14	RESISTOR	46.4	1% 1/10) TAT	0603	Resistor
X4/X2/U9	AD7984BRMZ			n MSOP10	ADC	RESISCOI
X4/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X4/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r	CALACITOR	DIVI	ZJWVDC	21 / 10	0005	ceramic capacito
X4/X2/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r		251	2311120	11,11	0005	ceramic capacites
X4/X2/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/R12	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/U7	MAX4594DCKR	unknown	unknowr	n SC70	SPST and	alog switch
X4/X2/C4	CAPACITOR	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r X4/X2/R2	DECICEOD	2.00k	1%	0603	Resisto	10
	RESISTOR	2.00k 3.00k	1% 1%	0603	Resisto	
X4/X2/R9	RESISTOR					
X4/X2/R8	RESISTOR	0	1%	0603	Resistor	
X4/X2/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X4/X1/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X4/X1/C3	CAPACITOR	4.7uF	10WVDC	X/R	1812	Ceramic capacito
r X4/X1/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r v4/v1/p20		3.01k	1% 1/10) T. T	0603	Resistor
X4/X1/R28	RESISTOR		18 1/10		0603	Resistor
X4/X1/R6	RESISTOR	1 0.1uF	16 T/TC		0603	
X4/X1/C29 r	CAPACITOR	U.luf	TOMADC	X/K	0603	Ceramic capacito
X4/X1/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or v4/v1/p20	DECICEOD	15.0k	1% 1/10	7.7	0603	Dogiator
X4/X1/R39	RESISTOR	3.01k	1% 1/10			Resistor Resistor
X4/X1/R40	RESISTOR		•		0603	
X4/X1/C28 r	CAPACITOR	4.7uF	10WVDC	X/K	1812	Ceramic capacito
X4/X1/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X4/X1/R33	RESISTOR	330	1% 1/10) [_W]	0603	Resistor
X4/X1/R33 X4/X1/R20	RESISTOR	1	1/4W	1206	Resisto	
X4/X1/K20 X4/X1/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAFACITOR	0.1ur	TOWVDC	27.10	0003	Ceramic Capacito
X4/X1/R26	RESISTOR	1.05k	1% 1/10) W	0603	Resistor
X4/X1/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						-
X4/X1/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif		0 1	1 (11777)	v7D	0602	Comomia sociality
X4/X1/C14 r	CAPACITOR	0.1uF	16WVDC	A/K	0603	Ceramic capacito
X4/X1/R18	RESISTOR	5.11	1% 1/10	ז געז	0603	Resistor
X4/X1/R16 X4/X1/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CALACTION	o. Lur	TOMADC	22 / IV	0003	ceramic capacito
X4/X1/R17	RESISTOR	5.11	1% 1/10) W	0603	Resistor
X4/X1/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r				= · = *		22200200200

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X4/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X1/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r		0.141	1011120 11710	0005	ceramic capacite
X4/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X4/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	DEGLAMOD	220	10 1/10**	0.600	
X4/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/R42 X4/X1/R1	RESISTOR RESISTOR	4.32k 4.32k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X4/X1/K1 X4/X1/Q2	MMBFJ309		unknown SOT23	n-channe	
X4/X1/Q2 X4/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CHILICITOR	0.141	100000 11710	0005	ceramic capacites
X4/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/R41	RESISTOR	301k	1% 0603	Resisto	r
X4/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X4/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	_
X4/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X4/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X4/X1/R24	RESISTOR	20 1	1% 1/10W	0603	Resistor
X4/X1/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X4/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r X4/X1/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X4/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X4/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	
r					
X4/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	
X4/X1/U11	MAX4594DCKR		unknown SC70		alog switch
X4/X1/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	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	1% 0603	Resisto	
X4/X1/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X4/X1/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X1/R4 X4/X1/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	C231 21C 1 C1C		3311120 000	5005	coramic capacito
X4/X1/C21 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X4/X1/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X1/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X4/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r					
X4/X1/C19 r	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
X4/X1/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X1/R12	RESISTOR	3.00k	1% 0603	Resisto	
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X4/X1/U	7	MAX4594I	OCKB	unknown	unknowi	n SC70	SPST ana	alog switch
X4/X1/C4		CAPACITO		100pF				Ceramic capacito
X4/X1/R2	2.	RESISTOR	₹	2.00k	1%	0603	Resisto	r
X4/X1/R9		RESISTOR		3.00k	1%	0603	Resisto	
X4/X1/R8		RESISTOR		0	1%	0603	Resisto	
X4/X1/C		CAPACITO		220pF				capacitor
J3	Flexpri			unknown				e 51 pin connecto
r	1 1011-11		0	0.1111110 1111		001	112230211	0 01 111 0011110000
X3/C39	CAPACITO	OR	1uF	10WVDC	ζ7R	0805	Ceramic	capacitor
X3/R51	RESISTO		330	5% 0.15		0805	Resisto	
X3/R53	RESISTO		3.74k	1% 1/10		0603	Resisto	r
	RESISTO		3.74k	1% 1/10		0603	Resisto	r
	CAPACITO	OR	0.1uF	16WVDC	K7R	0603	Ceramic	capacitor
X3/C37	CAPACITO	OR	22nF	50WVDC	۲7R	0603		capacitor
X3/U10	MAX308C	SE+	unknown	unknown	S016	8 input	analog r	mux
	CAPACITO		22nF	50WVDC	۲7R	0603		capacitor
X3/U9	AD5328	unknown		TSSOP16	Octal I	DAC		
X3/C35	CAPACITO	OR	1uF	10WVDC	K7R	0805	Ceramic	capacitor
X3/R48	RESISTO	R	330	5% 0.15	V	0805	Resisto	
X3/R50	RESISTO	R	3.74k	1% 1/100		0603	Resisto	
X3/R49	RESISTO	R	3.74k	1% 1/10	V	0603	Resisto	r
X3/C34	CAPACITO	OR	0.1uF	16WVDC	ζ7R	0603	Ceramic	capacitor
X3/C33	CAPACITO	OR	22nF	50WVDC	K7R	0603	Ceramic	capacitor
X3/U8	MAX308C	SE+		unknown	S016		analog r	
X3/C32	CAPACITO		22nF	50WVDC		0603	Ceramic	capacitor
X3/U7	AD5328	unknown	unknown	TSSOP16	Octal I	DAC		
X3/C31	CAPACITO	OR	0.1uF	25WVDC	K7R	0603		capacitor
X3/L4	EXC-3BB			unknown		EMI chi		
X3/C30	CAPACITO		22nF	50WVDC		0603		capacitor
X3/L3	EXC-3BB		unknown			EMI chi		
	CAPACITO		22nF	50WVDC		0603		capacitor
	EXC-3BB		unknown			EMI chi		
	EXC-3BB		unknown			EMI chi		
	CAPACITO		22nF	50WVDC		0603		capacitor
X3/X6/R3		RESISTOR		301k	1%	0603	Resisto	
X3/X6/R3		RESISTOR			1%	0603	Resisto	
X3/X6/U		DUAL_OPA		LT2078A		N/A	S08	unknown
X3/X6/R3		RESISTOR		1.00Meg		0603	Resisto	
X3/X6/R8		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R9		RESISTOR		300k	1%	0603	Resistor	
X3/X6/R3		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R3		RESISTOR		301k	1%	0603	Resistor	
X3/X6/C4		CAPACITO		330pF	50WVDC		0603	Ceramic capacito
X3/X6/R3		RESISTOR		470	1% 1/10		0603	Resistor
X3/X6/C	5	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
r								_
x3/x6/C3	3	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R6		RESISTOR	5	49.9	1% 1/10		0603	Resistor
X3/X6/R		RESISTOR	₹	1.00Meg		0603	Resisto	
X3/X6/R3		RESISTOR		100k	1%	0603	Resisto	
X3/X6/R2		RESISTOR		300k	1%	0603	Resisto	
X3/X6/R3		RESISTOR		100k	1%	0603	Resisto	
X3/X6/R4		RESISTOR		301k	1%	0603	Resisto	
x3/x6/C1	1	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R5	5	RESISTOR	3	470	1% 1/10	WC	0603	Resistor

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X3/X6/C2	2	CAPACITO	OR	47nF	50WVDC	X7R	0805		capacito
x3/X5/R3	1 4	RESISTO	₹	301k	1%	0603	Resisto	r	
		RESISTOR		301k	1%	0603	Resistor		
		DUAL_OP		LT2078A		N/A	SO8	unknown	
X3/X5/R3		RESISTO		1.00Meg		0603			
X3/X5/R8		RESISTOR		100k	1%	0603	Resistor		
X3/X5/R9		RESISTOR		300k	1%	0603	Resistor		
X3/X5/R3				100k	1%	0603 Resistor			
X3/X5/R3		RESISTOR		301k		0603	Resistor		
X3/X5/C4		CAPACITO		330pF	50WVDC		0603		capacito
X3/X5/R3		RESISTO		470	1% 1/10		0603	Resisto	
X3/X5/C!	5	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
x3/x5/C3	3	CAPACITO	OR	22nF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R6		RESISTO		49.9	1% 1/10		0603	Resisto	r
X3/X5/R		RESISTO		1.00Meg		0603	Resistor		
X3/X5/R3		RESISTO		100k	1%	0603	Resistor		
X3/X5/R2		RESISTO		300k	1%	0603	Resistor		
X3/X5/R3		RESISTO		100k	1%	0603	Resistor		
X3/X5/R4		RESISTO		301k	1%	0603	Resisto		
X3/X5/C1	1	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R5		RESISTO		470	1% 1/10		0603	Resisto	
X3/X5/C2	2	CAPACITO	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
X3/R62	RESISTOR	2	49.9	1% 1/10	M	0603	Resistor	r	
X3/R57	RESISTOR	2	301k	1%	0603	Resisto	r		
X3/R54	RESISTOR	2	0	1%	0603	Resisto	r		
X3/R47	RESISTOR	?	3.01Meg	1%	0603	Resisto	r		
X3/R46	RESISTOR	3	37.4k	1%	0603	Resisto	r		
X3/C27	CAPACITO	OR	22nF	100WVDC		0805	Ceramic	capacit	or
X3/R45	RESISTOR		40.2k	1%	0603	Resisto			
X3/C26	CAPACITO		33nF	25WVDC	X7R	0603	Ceramic	capacit	or
X3/R44	RESISTOR		604k	1%	0603	Resisto			
X3/R43	RESISTO		10k	1%	0603	Resisto			
X3/C25	CAPACITO		22nF	100WVDC		0805		capacit	or
X3/R42	RESISTOR		10k	1%	0603	Resisto			
X3/Q2	PNP_TRAI			unknown		unknown			
X3/R41			200k	1%	0603	Resisto			
X3/R40	RESISTOR		10k	1%	0603	Resisto			
X3/Q1	PNP_TRAI			unknown		unknown		aa	0.70
X3/C24	CAPACITO		0.1uF	25WVDC :		0603		capacit	Dτ.
X3/R39 RESISTOR X3/U4 DUAL_OPAMP		133k LM6142A	1% IM	0603 N/A	Resisto SO8		dual ope	erational	
amplifier, SO8							_		
X3/R38	RESISTO	3	604k	1%	0603	Resisto	r		
X3/R37			392k	1%	0603	Resisto	r		
X3/R36			200k	1%	0603	Resisto	r		
X3/C23			3.3nF	50WVDC		0603		capacit	or
X3/R35			470	1% 1/10		0603	Resisto		
X3/C22	CAPACITO		0.22uF	25WVDC		1206		capacit	or
X3/U3	DUAL_OPA		LT2078A		N/A	S08	unknown		
X3/C21	CAPACITO		0.22uF	25WVDC		1206		capacit	
X3/C20	CAPACITO		0.1uF	25WVDC		0603		capacit	or
X3/R34	RESISTOR		44.2k	1%	0603	Resisto			
X3/R33	RESISTOR	2	604k	1%	0603	Resisto	r		
0.4/00									

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X3/R32	RESISTOR	56.2k	1% 0603	Resisto	
X3/R31	RESISTOR	200k	1% 0603	Resisto	
X3/C19	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R30	RESISTOR	470	1% 1/10W	0603	Resistor
X3/R29	RESISTOR	44.2k	1% 0603	Resisto	
X3/R28	RESISTOR	604k	1% 0603	Resisto	
X3/R27	RESISTOR	56.2k	1% 0603	Resisto	
X3/R26	RESISTOR	200k 3.3nF	1% 0603	Resisto 0603	
X3/C18 X3/R25	CAPACITOR RESISTOR	3.311F	50WVDC X7R 1% 1/10W	0603	Ceramic capacitor Resistor
X3/R25 X3/C17	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/U2	DUAL_OPAMP	LT2078A		SO8	unknown
X3/C15	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C16	CAPACITOR		50WVDC X7R	0603	Ceramic capacitor
X3/R24	RESISTOR	54.9k	1% 0603	Resisto	
X3/R23	RESISTOR	82.5k	1% 0603	Resisto	
X3/R22	RESISTOR	604k	1% 0603	Resisto	
X3/R21	RESISTOR	953k	1% 0603	Resisto	
X3/R20	RESISTOR	200k	1% 0603	Resisto	
X3/C14	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R19	RESISTOR	470	1% 1/10W	0603	Resistor
	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/R18	RESISTOR	54.9k	1% 0603	Resisto	
X3/R17	RESISTOR	82.5k	1% 0603	Resisto	
X3/R16	RESISTOR	604k	1% 0603	Resisto	
X3/R15	RESISTOR	953k	1% 0603	Resisto	
X3/R14	RESISTOR	200k	1% 0603	Resisto	r
X3/C12	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R13	RESISTOR	470	1% 1/10W	0603	Resistor
X3/C11	CAPACITOR	0.22uF	25WVDC X7R	1206	Ceramic capacitor
X3/R60	RESISTOR	49.9	1% 1/10W	0603	Resistor
X3/R61	RESISTOR	49.9	1% 1/10W	0603	Resistor
X3/C40	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/U11	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual operational
	ier, SO8				_
X3/U1	DUAL_OPAMP	LT2078A		S08	unknown
X3/R12	RESISTOR	24.9k	1% 1/10W	0603	Resistor
X3/C10	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C9	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/C8	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X3/R11	RESISTOR	54.9k	1% 0603	Resisto	
X3/R10	RESISTOR	82.5k	1% 0603	Resisto	
X3/R9	RESISTOR	604k	1% 0603	Resisto	
X3/R8	RESISTOR	953k	1% 0603	Resisto	
X3/R7	RESISTOR	200k	1% 0603	Resisto	
X3/C7	CAPACITOR	3.3nF	50WVDC X7R	0603	Ceramic capacitor
X3/R6	RESISTOR	470	1% 1/10W	0603	Resistor
X3/C6 X3/U5	CAPACITOR	0.22uF LM6142A	25WVDC X7R	1206 SO8	Ceramic capacitor generic dual operational
	DUAL_OPAMP ier, SO8	тиот42А	IM N/A	500	generic quar operational
X3/R5	RESISTOR	4.75k	1% 1/10W	0603	Resistor
X3/K3 X3/C3	CAPACITOR	620pF	10WVDC X7R	0805	Ceramic capacitor
X3/C3 X3/R4	RESISTOR	14.7k	1% 1/10W	0603	Resistor
X3/R4 X3/R3	RESISTOR	14.78	1% 1/10W 1% 1/10W	0603	Resistor
X3/K3 X3/C2	CAPACITOR	1 1uF	10WVDC X7R	0805	Ceramic capacitor
X3/C2 X3/C5	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X3/C3 X3/R2	RESISTOR	4.99	1% 1/10W	0603	Resistor
X3/K2 X3/C4	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X3/C4 X3/R1	RESISTOR	49.9	1% 1/10W	0603	Resistor
253/101	101010101	10.0	10 1/10W	0005	ICDID COL

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X3/U6 REFEREN	CE REF43GS	N/A	S08	2.5V Re	ference	
X3/R59 RESISTO		1% 1/10		0603	Resisto	r
X3/X4/R27	RESISTOR	44.2k		DW	0603	Resistor
X3/X4/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
X3/X4/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R28	RESISTOR	3.01k	1% 1/10		0603	Resistor
X3/X4/R6	RESISTOR	1	1% 1/10		0603	Resistor
X3/X4/C29 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X3/X4/R39	RESISTOR	15.0k	1% 1/10	WC	0603	Resistor
X3/X4/R40	RESISTOR	3.01k	1% 1/10	WC	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 X3/X4/R20	RESISTOR RESISTOR	330 1	1% 1/10 1/4W	OW 1206	0603 Resisto	Resistor
X3/X4/R20 X3/X4/C23	CAPACITOR	1 0.1uF	1/4W 16WVDC		0603	r Ceramic capacito
r						_
X3/X4/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X3/X4/C10 r	CAPACITOR	0.1uF	16WVDC	X'/R	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	υ	0603	Resistor
x3/x4/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R17	RESISTOR	5.11	1% 1/10	ЭW	0603	Resistor
x3/x4/C11 r	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R16	RESISTOR	5.11	1% 1/10	זאד.	0603	Resistor
X3/X4/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r		- 11	70 7 /7 /	·	0.600	
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 זע	0603	Resistor
X3/X4/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r v2/v4/p22		220	10, 1/1/) Tu	0602	Dogi atom
X3/X4/R22 X3/X4/C7	RESISTOR CAPACITOR	330 0.1uF	1% 1/10 16WVDC		0603 0603	Resistor Ceramic capacito
r						
X3/X4/R23	RESISTOR	330	1% 1/10		0603	Resistor
X3/X4/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X3/X4/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X3/X4/Q2	MMBFJ309	unknown			n-channe	
X3/X4/C22 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/R13	RESISTOR	46.4	1% 1/10	WC	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			n SC70-6	Fast opa	
X3/X4/U5	ADA4805-1AKSZ			n SC70-6	Fast opa	
20/02						*

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X3/X4/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X3/X4/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X3/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r				
X3/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X3/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r x2/x4/D11	D II G I G II O D	0 001-	1.0. 0.0.2	Danisha
X3/X4/R11	RESISTOR	2.00k	1% 0603	Resistor
X3/X4/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r x2/x4/D20	DEGLAMOD	2 001-	1% 0603	Danisha
X3/X4/R38	RESISTOR	3.00k		Resistor
X3/X4/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X3/X4/U3	MAX4594DCKR	unknown	unknown SC70	CDCT analog gwitch
X3/X4/U3 X3/X4/R25	RESISTOR	1.00Meg		SPST analog switch Resistor
X3/X4/R25 X3/X4/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X3/X4/R19 X3/X4/R15	RESISTOR	6∠ 3.00k	1% 0603	Resistor
X3/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X3/X4/R4	RESISTOR	3.00k	1% 0603	Resistor
1			50WVDC COG	
X3/X4/C20	CAPACITOR	1nF	SUWVDC CUG	0603 Ceramic capacito
r X3/X4/C21	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r				
X3/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X3/X4/U9	AD7984BRMZ		unknown MSOP10	ADC
X3/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X3/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r				
X3/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r		_		_
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	
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/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_CAPAC	ITOR	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 x2/x2/c2F		0 1	1 (1111) (117)	0.602
X3/X3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito

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r					<u> </u>
X3/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/R20	RESISTOR	1	1/4W 1206	Resisto	r
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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X3/X3/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X3/C9	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
X3/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X3/Q2	MMBFJ309		unknown SOT23	n-channe	
X3/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X3/R41	RESISTOR	301k	1% 0603	Resisto	
X3/X3/U6 X3/X3/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast op	
X3/X3/U5	ADA4805-IAKSZ		unknown SC70-6	Fast opa	
X3/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X3/X3/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X3/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X3/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
x3/x3/c2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X3/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X3/X3/K11 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 SC70		alog switch
X3/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X3/U3	MAX4594DCKR		unknown SC70		alog switch
X3/X3/R25	RESISTOR	1.00Meg	1% 0603	Resisto	L

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X3/X3/R19	RESISTOR	62	5% 0.15		0805	Resistor
X3/X3/R15	RESISTOR	3.00k	1%	0603	Resistor	
X3/X3/C12 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X3/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X3/X3/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						
X3/X3/C21 r	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
X3/X3/R14	RESISTOR	46.4	1% 1/10) W	0603	Resistor
X3/X3/U9	AD7984BRMZ	unknown			ADC	
X3/X3/R7	RESISTOR	DNP	1% 1/10) W	0603	Resistor
X3/X3/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r						-
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	Resistor	
X3/X3/K12 X3/X3/U7	MAX4594DCKR	unknown				alog switch
X3/X3/C4	CAPACITOR	100pF		Vitreous	0505	Ceramic capacito
r	01111011011	10051	3 0 111 0	VICICOUD	0303	deramine dapadree
X3/X3/R2	RESISTOR	2.00k	1%	0603	Resistor	r
X3/X3/R9	RESISTOR	3.00k	1%	0603	Resistor	
X3/X3/R8	RESISTOR	0	1%	0603	Resistor	r
X3/X3/C1	CAPACITOR	220pF	50WVDC	0805	Ceramic	capacitor
X3/X2/R27	RESISTOR	44.2k	1% 1/10) W	0603	Resistor
X3/X2/C3	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						_
X3/X2/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X3/X2/R28	RESISTOR	3.01k	1% 1/10) W	0603	Resistor
X3/X2/R6	RESISTOR	1	1% 1/10		0603	Resistor
X3/X2/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r X3/X2/C30	POLARIZED_CAPAC:	TTOR	47uF	15WVDC	2711	Tantalum capacit
or	I OLIMITALD_CIMITIC	11010	1741	ISWVDC	2711	Tancaram capacic
X3/X2/R39	RESISTOR	15.0k	1% 1/10	W	0603	Resistor
X3/X2/R40	RESISTOR	3.01k	1% 1/10) W	0603	Resistor
X3/X2/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r X3/X2/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X3/X2/R33	RESISTOR	330	1% 1/10		0603	Resistor
X3/X2/R20	RESISTOR	1	1/4W	1206	Resistor	
X3/X2/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X2/R26	RESISTOR	1.05k	1% 1/10) W	0603	Resistor
X3/X2/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						_
X3/X2/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif: X3/X2/C14	ier, SO8 CAPACITOR	0.1uF	16WVDC	x7p	0603	Ceramic capacito
x3/x2/C14	CALACTION	o. rur	T 0 M A D C	22 / 10	0003	ceramic capacito
X3/X2/R18	RESISTOR	5.11	1% 1/10) W	0603	Resistor
X3/X2/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						_
X3/X2/R17	RESISTOR	5.11	1% 1/10		0603	Resistor
X3/X2/C11	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
Ĭ						

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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 16WVDC X7R	0603 Resistor 0603 Ceramic capacito
X3/X2/C7 r	CAPACITOR	0.1uF	TOWVDC X/R	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-channel jfet
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	Resistor
X3/X2/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X2/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X2/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X2/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X3/X2/C16 r	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
X3/X2/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X3/X2/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X3/X2/R11	RESISTOR	2.00k	1% 0603	Resistor
X3/X2/U12	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X3/X2/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X3/X2/R38	RESISTOR	3.00k	1% 0603	Resistor
X3/X2/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X3/X2/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X3/X2/U3	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X2/R25	RESISTOR	1.00Meg		Resistor
X3/X2/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X3/X2/R15	RESISTOR	3.00k	1% 0603	Resistor
X3/X2/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x3/x2/R4	RESISTOR	3.00k	1% 0603	Resistor
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
r X3/X2/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X3/X2/R10	RESISTOR	3.00k	1% 0603	Resistor
X3/X2/R12	RESISTOR	3.00k	1% 0603	Resistor
40/00	-			

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X3/X2/U7	MAX4594DCKR		unknown SC70		alog switch
X3/X2/C4	CAPACITOR	100pF	5% NPO Vitreous	0505	Ceramic capacito
r v2/v2/p2	DECTOTOD	2 001	1% 0603	Dogiator	
X3/X2/R2 X3/X2/R9	RESISTOR RESISTOR	2.00k 3.00k	1% 0603 1% 0603	Resistor Resistor	
X3/X2/R9 X3/X2/R8	RESISTOR	0	1% 0603	Resistor	
X3/X2/R6 X3/X2/C1	CAPACITOR	0 220pF	50WVDC 0805		capacitor
X3/X2/C1 X3/X1/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X3/X1/C3	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r	CALACTION	1.7 dr	TOWVEC ATR	1012	cciamic capacito
x3/x1/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r	011211022011		2011/20 22/21		coramic caracte
X3/X1/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X3/X1/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X3/X1/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					-
X3/X1/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
or					_
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					
X3/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/R20	RESISTOR	1	1/4W 1206	Resistor	
X3/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
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	DIIAI ODAMD	LM6142A	IM N/A	S08	gonoria dual ono
rational amplif	DUAL_OPAMP	LMO142A.	IM N/A	500	generic dual ope
X3/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	U.lur	IOWVDC A/R	0003	Ceramic Capacito
X3/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C111 11C1 1 OIC	0.141	10WVBC 21710	0003	ccramic capacito
X3/X1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	DEGLAMOS	220	10 1/10**	0.603	
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-channe	
X3/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					

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X3/X1/R13	RESISTOR	1	46.4	1% 1/10) W	0603	Resistor
X3/X1/R41	RESISTOR		301k	1%	0603	Resisto	
X3/X1/U6	ADA4805-		unknown	unknowr		Fast op	
X3/X1/U8	ADA4805-		unknown	unknowr	n SC70-6	Fast op	
X3/X1/U5	ADA4805-		unknown			Fast op	
X3/X1/U4	ADA4805-		unknown			Fast op	
X3/X1/R24	RESISTOR		20	1% 1/10		0603	Resistor
X3/X1/C16	CAPACITO		1uF	10WVDC		0805	Ceramic capacito
r							-
X3/X1/C4a r	CAPACITO)R	30pF	5% NP0	Vitreous	0505	Ceramic capacito
X3/X1/C2 r	CAPACITO	R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X1/R11	RESISTOR	2	2.00k	1%	0603	Resisto	r
X3/X1/U12	MAX4594D		unknown	unknowr			alog switch
X3/X1/C17	CAPACITO	R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X1/R38	RESISTOR	2	3.00k	1%	0603	Resisto	r
X3/X1/U11	MAX4594D		unknown				alog switch
X3/X1/C6	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
X3/X1/U3	MAX4594D	CKR	unknown	unknowr	n SC70	SPST an	alog switch
X3/X1/R25	RESISTOR		1.00Meg		0603	Resisto	_
X3/X1/R19	RESISTOR		62	5% 0.15		0805	Resistor
X3/X1/R15	RESISTOR		3.00k	1%	0603	Resisto	
X3/X1/C12 r	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
X3/X1/R4	RESISTOR)	3.00k	1%	0603	Resisto	r
X3/X1/C20	CAPACITO		1nF	50WVDC		0603	Ceramic capacito
r							_
X3/X1/C21 r	CAPACITO		1nF	50WVDC		0603	Ceramic capacito
X3/X1/R14	RESISTOR		46.4	1% 1/10		0603	Resistor
X3/X1/U9	AD7984BR		unknown			ADC	
X3/X1/R7	RESISTOR		DNP	1% 1/10		0603	Resistor
X3/X1/C18 r	CAPACITO)R	DNP	25WVDC	X7R	0603	Ceramic capacito
X3/X1/C19 r	CAPACITO)R	2pF	25WVDC	X7R	0603	Ceramic capacito
X3/X1/R10	RESISTOR	2	3.00k	1%	0603	Resisto	r
X3/X1/R12	RESISTOR	_	3.00k	1%	0603	Resisto	r
X3/X1/U7	MAX4594D	CKR	unknown	unknowr	n SC70	SPST an	alog switch
X3/X1/C4	CAPACITO	R	100pF		Vitreous		Ceramic capacito
r			_				-
X3/X1/R2	RESISTOR	2	2.00k	1%	0603	Resisto	r
X3/X1/R9	RESISTOR		3.00k	1%	0603	Resisto	r
X3/X1/R8	RESISTOR		0	1%	0603	Resisto	r
X3/X1/C1	CAPACITO		220pF	50WVDC	0805	Ceramic	capacitor
J2 Flexpri			unknown				e 51 pin connecto
X2/C39 CAPACIT	OR	1uF	10WVDC 2	ζ7R	0805	Ceramic	capacitor
X2/R51 RESISTO		330	5% 0.15V		0805	Resisto	
X2/R53 RESISTO		3.74k	1% 1/10V		0603	Resisto	
X2/R52 RESISTO		3.74k	1% 1/10V		0603	Resisto	
X2/C38 CAPACIT		0.1uF	16WVDC		0603		capacitor
X2/C37 CAPACIT		22nF	50WVDC		0603		capacitor
X2/U10 MAX308C			unknown		8 input		
X2/C36 CAPACIT		22nF	50WVDC		0603		capacitor
	unknown						<u>-</u>
40/00				-			

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X2/C35 CAPA	CITOR	1uF	10WVDC 2	 <7R	0805	Ceramic	capacitor
· ·	STOR	330	5% 0.15W		0805	Resisto	_
	STOR	3.74k	1% 1/10V		0603	Resisto	
	STOR	3.74k	1% 1/10V		0603	Resisto	
	CITOR	0.1uF	16WVDC 2		0603		capacitor
	CITOR	22nF	50WVDC 2		0603		capacitor
	308CSE+		unknown			analog 1	
	CITOR	22nF	50WVDC 2		0603		capacitor
X2/U7 AD53	328 unknown	unknown	TSSOP16	Octal I	DAC		-
X2/C31 CAPA	CITOR	0.1uF	25WVDC 2	K7R	0603	Ceramic	capacitor
X2/L4 EXC-	-3BB102H	unknown	unknown	0603	EMI chi	р	_
X2/C30 CAPA	CITOR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
	-3BB102H		unknown	0603	EMI chi	р	
	CITOR	22nF	50WVDC 2		0603		capacitor
	-3BB102H		unknown		EMI chi	-	
	-3BB102H		unknown		EMI chi		
	CITOR	22nF	50WVDC 2		0603		capacitor
X2/X6/R14	RESISTO:		301k	1%	0603	Resisto	
X2/X6/R15	RESISTO		301k	1%	0603	Resisto	
X2/X6/U1	DUAL_OP.		LT2078A1		N/A	S08	unknown
X2/X6/R13	RESISTO		1.00Meg		0603	Resisto	
X2/X6/R8	RESISTO		100k	1%	0603	Resisto:	
X2/X6/R9	RESISTO		300k	1%	0603	Resisto:	
X2/X6/R10	RESISTO:		100k 301k	1% 1%	0603 0603	Resisto:	
X2/X6/R11 X2/X6/C4	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r	CAPACII		330PF	JOWVDC	A/R	0003	Ceramic Capacito
X2/X6/R12	RESISTO	R	470	1% 1/10	ΩW	0603	Resistor
X2/X6/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r							
X2/X6/C3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
r		_	4.0		0	0.500	
X2/X6/R6	RESISTO		49.9	1% 1/10		0603	Resistor
X2/X6/R7	RESISTO		1.00Meg 100k	18 18	0603 0603	Resisto:	
X2/X6/R1 X2/X6/R2	RESISTO		300k	1%	0603	Resisto:	
X2/X6/R2 X2/X6/R3	RESISTO		100k	1%	0603	Resisto	
X2/X6/R3 X2/X6/R4	RESISTO:		301k	1%	0603	Resisto	
X2/X6/C1	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r	C111 11C 1 1		22221	301110	,		JJIAMIC CAPACICO
X2/X6/R5	RESISTO:		470	1% 1/10		0603	Resistor
X2/X6/C2	CAPACIT	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
r							
X2/X5/R14	RESISTO:		301k	1%	0603	Resisto	
X2/X5/R15	RESISTO		301k	1%	0603	Resisto:	
X2/X5/U1	DUAL_OP.		LT2078A1		N/A	SO8	unknown
X2/X5/R13	RESISTO		1.00Meg		0603	Resisto:	
X2/X5/R8	RESISTO		100k	1%	0603	Resisto:	
X2/X5/R9	RESISTO		300k 100k	1% 1%	0603 0603	Resisto:	
X2/X5/R10 X2/X5/R11	RESISTO: RESISTO		301k	1% 1%	0603	Resisto	
X2/X5/R11 X2/X5/C4	CAPACIT		301K 330pF	50WVDC		0603	Ceramic capacito
x2/x5/C4 r	CAPACII	O10	220br	J O W V DC	Z / I\	0003	Ceramic Capacito
X2/X5/R12	RESISTO	R	470	1% 1/10	ΩW	0603	Resistor
X2/X5/C5	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r	011111011			2011120			
X2/X5/C3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
r		_	40.0		0	0.555	
X2/X5/R6	RESISTO	K	49.9	1% 1/10	JW	0603	Resistor

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X2/X5/R	7 RESISTO	 R	1.00Meg	1%	0603	Resisto	<u> </u>
X2/X5/R3	1 RESISTO	R	100k	1%	0603	Resistor	r
X2/X5/R2	2 RESISTO	R	300k	1%	0603	Resistor	r
X2/X5/R3		R	100k	1%	0603	Resistor	r
X2/X5/R4			301k	1%	0603	Resistor	
X2/X5/C			330pF	50WVDC		0603	Ceramic capacito
r							
X2/X5/R	5 RESISTO	R	470	1% 1/10	ωC	0603	Resistor
X2/X5/C2			47nF	50WVDC		0805	Ceramic capacito
r	01111011	011	1,111	3011120	11,11	0000	ceramic capacite
X2/R62	RESISTOR	49.9	1% 1/10	W	0603	Resistor	r
X2/R57	RESISTOR	301k	1%	0603	Resisto		_
X2/R54	RESISTOR	0	1%	0603	Resistor		
X2/R47	RESISTOR	3.01Meg		0603	Resistor		
X2/R47	RESISTOR	37.4k	1%	0603	Resistor		
X2/R40 X2/C27	CAPACITOR	22nF	100WVDC		0805		capacitor
X2/R45	RESISTOR	40.2k	18	0603	Resisto		capacitoi
	CAPACITOR	33nF	25WVDC		0603		capacitor
X2/C26 X2/R44	RESISTOR	604k	25WVDC 1%	0603	Resisto		Capacitoi
X2/R44 X2/R43	RESISTOR RESISTOR	10k	18	0603	Resisto		
X2/R43 X2/C25	CAPACITOR	22nF	100WVDC		0805		capacitor
X2/C25 X2/R42		10k		0603			CapaCILOI
	RESISTOR	PMBTA92	1%		Resisto	<u>-</u>	
X2/Q2	PNP_TRANSISTOR				unknown	_	
X2/R41	RESISTOR	200k	1%	0603	Resistor		
X2/R40	RESISTOR	10k	1%	0603	Resistor	<u>-</u>	
X2/Q1	PNP_TRANSISTOR	PMBTA92			unknown	a '	• •
X2/C24	CAPACITOR	0.1uF	25WVDC		0603		capacitor
X2/R39	RESISTOR	133k	1%	0603	Resistor		
X2/U4	DUAL_OPAMP	LM6142A	LM	N/A	S08	generic	dual operational
	ier, SO8	C O 41-	1.0	0.602	D	_	
	RESISTOR	604k	1%	0603	Resistor		
X2/R37	RESISTOR	392k	1%	0603	Resistor		
X2/R36	RESISTOR	200k	1%	0603	Resistor		• •
	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R35	RESISTOR	470	1% 1/10		0603	Resistor	=
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	Resistor		
X2/R33	RESISTOR	604k	1%	0603	Resistor		
X2/R32	RESISTOR	56.2k	1%	0603	Resistor		
X2/R31	RESISTOR	200k	1%	0603	Resisto		
X2/C19	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R30	RESISTOR	470	1% 1/10		0603	Resistor	r
X2/R29	RESISTOR	44.2k	1%	0603	Resisto		
X2/R28	RESISTOR	604k	1%	0603	Resisto		
X2/R27	RESISTOR	56.2k	1%	0603	Resisto		
X2/R26	RESISTOR	200k	1%	0603	Resisto		
X2/C18	CAPACITOR	3.3nF	50WVDC		0603		capacitor
X2/R25	RESISTOR	470	1% 1/10		0603	Resisto	
X2/C17	CAPACITOR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/U2	DUAL_OPAMP	LT2078A	IS8	N/A	S08	unknown	
X2/C15	CAPACITOR	0.1uF	25WVDC	X7R	0603	Ceramic	capacitor
X2/C16	CAPACITOR	0.047uF	50WVDC	X7R	0603		capacitor
X2/R24	RESISTOR	54.9k	1%	0603	Resisto		_
X2/R23	RESISTOR	82.5k	1%	0603	Resisto		
X2/R22	RESISTOR	604k	1%	0603	Resisto		
X2/R21	RESISTOR	953k	1%	0603	Resisto		
44/00							

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X2/R20	RESISTO	R	200k	1%	0603	Resisto		
X2/C14	CAPACITO	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X2/R19	RESISTO	R	470	1% 1/10	M	0603	Resisto	r
X2/C13	CAPACITO	OR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/R18	RESISTO	R	54.9k	1%	0603	Resisto	r	_
X2/R17	RESISTO	R	82.5k	1%	0603	Resisto	r	
X2/R16	RESISTO	R	604k	1%	0603	Resisto	r	
X2/R15	RESISTO	R	953k	1%	0603	Resisto	r	
X2/R14	RESISTO	R	200k	1%	0603	Resisto	r	
X2/C12	CAPACITO	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X2/R13	RESISTO	R	470	1% 1/10	M	0603	Resisto	r
X2/C11	CAPACITO	OR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/R60	RESISTO	R	49.9	1% 1/10	M	0603	Resistor	r
X2/R61	RESISTO	R	49.9	1% 1/10	M	0603	Resisto	r
X2/C40	CAPACITO	OR	0.1uF	25WVDC	X7R	0603	Ceramic	capacitor
X2/U11	DUAL_OP	AMP	LM6142A	ĽΜ	N/A	SO8	generic	dual operational
amplifi	ier, SO8							_
X2/U1	DUAL_OP	AMP	LT2078A	IS8	N/A	S08	unknown	
X2/R12	RESISTO	R	24.9k	1% 1/10	M	0603	Resisto	r
X2/C10	CAPACITO	OR	0.1uF	25WVDC	X7R	0603	Ceramic	capacitor
X2/C9	CAPACITO		0.1uF	25WVDC		0603		capacitor
X2/C8	CAPACITO	OR	0.1uF	25WVDC	X7R	0603	Ceramic	capacitor
X2/R11	RESISTO	R	54.9k	1%	0603	Resisto	r	_
X2/R10	RESISTO	R	82.5k	1%	0603	Resisto	r	
X2/R9	RESISTO	R	604k	1%	0603	Resisto	r	
X2/R8	RESISTO	R	953k	1%	0603	Resisto	r	
X2/R7	RESISTO	R	200k	1%	0603	Resisto	r	
X2/C7	CAPACITO	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X2/R6	RESISTO	R	470	1% 1/10	M	0603	Resisto	
X2/C6	CAPACITO	OR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/U5	DUAL_OP	AMP	LM6142A	ĽΜ	N/A	SO8	generic	dual operational
amplifi	ier, SO8							_
X2/R5	RESISTO	R	4.75k	1% 1/10	M	0603	Resistor	r
X2/C3	CAPACITO	OR	620pF	10WVDC	X7R	0805	Ceramic	capacitor
X2/R4	RESISTO	R	14.7k	1% 1/10	M	0603	Resisto	r
X2/R3	RESISTO	R	1	1% 1/10	M	0603	Resisto	r
X2/C2	CAPACITO	OR	1uF	10WVDC	X7R	0805	Ceramic	capacitor
X2/C5	CAPACITO	OR	1uF	10WVDC	X7R	0805	Ceramic	capacitor
X2/R2	RESISTO	R	4.99	1% 1/10	M	0603	Resistor	r
X2/C4	CAPACITO	OR	1uF	10WVDC	X7R	0805	Ceramic	capacitor
X2/R1	RESISTO	R	49.9	1% 1/10	M	0603	Resisto	r
X2/U6	REFEREN	CE	REF43GS	N/A	S08	2.5V Re	ference	
	RESISTO	R	49.9	1% 1/10		0603	Resisto	r
X2/X4/R2	27	RESISTOR	3	44.2k	1% 1/10	W	0603	Resistor
X2/X4/C3	3	CAPACITO	OR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r	0.4	a			1 (***	0.600	_
X2/X4/C2	24	CAPACITO	JK	7.5nF	16WVDC	X/R	0603	Ceramic capacito
x2/x4/R2	28	RESISTOR	3	3.01k	1% 1/10	W	0603	Resistor
X2/X4/R6		RESISTOR		1	1% 1/10		0603	Resistor
X2/X4/C2	29	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x2/x4/C3	3.0	ΡΟΙΔΡΙΖΙ	ED_CAPAC	ΓΤΌΡ	47uF	15WVDC	2711	Tantalum capacit
or	<i>-</i> 0	TOTALLE	JD_CAFAC	- 1 010	I / UL	T 2 M A D C	८ / ⊥ ⊥	Tarreatum Capacit
X2/X4/R3	39	RESISTOR	ર	15.0k	1% 1/10	W	0603	Resistor
X2/X4/R4		RESISTOR		3.01k	1% 1/10		0603	Resistor
X2/X4/C2		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r X2/X4/C2	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito

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r					
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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X2/X4/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
x2/x4/C13	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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
x2/x4/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
x2/x4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
x2/x4/C7 r	CAPACITOR	0.1uF	16WVDC X7R	0603	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 SOT23	n-chann	
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 SC70-6	Fast op	
X2/X4/U8	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U5 X2/X4/U4	ADA4805-IAKSZ		unknown SC70-6 unknown SC70-6	Fast op	
X2/X4/04 X2/X4/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X4/C16	CAPACITOR	luF	10WVDC X7R	0805	Ceramic capacito
r X2/X4/C4a	CAPACITOR	30pF	5% NP0 Vitreous		Ceramic capacito
r	CHILICITOR	3021	30 WIO VICECOUS	0303	ceramic capacite
X2/X4/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X2/X4/U12	MAX4594DCKR		unknown SC70		alog switch
x2/x4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic 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 SC70		alog switch
X2/X4/R25	RESISTOR	1.00Meg	1% 0603	Resisto	r

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X2/X4/R19	RESISTOR	62	5% 0.15V		0805	Resistor
X2/X4/R15	RESISTOR	3.00k	1%	0603	Resisto	
X2/X4/C12	CAPACITOR	0.1uF	16WVDC 2	X7R	0603	Ceramic capacito
r X2/X4/R4	RESISTOR	3.00k	1%	0603	Resisto	^
X2/X4/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						
X2/X4/C21 r	CAPACITOR	1nF	50WVDC	C0G	0603	Ceramic capacito
X2/X4/R14	RESISTOR	46.4	1% 1/10V	M	0603	Resistor
X2/X4/U9	AD7984BRMZ		unknown		ADC	110222001
X2/X4/R7	RESISTOR	DNP	1% 1/10V		0603	Resistor
X2/X4/C18	CAPACITOR	DNP	25WVDC 2		0603	Ceramic capacito
r	CHILICITOR	DIVI	2311120 2	21 / 10	0003	ceramic capacite
x2/x4/C19	CAPACITOR	2pF	25WVDC 2	X7R	0603	Ceramic capacito
r		-				
X2/X4/R10	RESISTOR	3.00k	1%	0603	Resisto	
X2/X4/R12	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/U7	MAX4594DCKR	unknown	unknown	SC70	SPST and	alog switch
X2/X4/C4 r	CAPACITOR	100pF	5% NP0 V	Vitreous	0505	Ceramic capacito
x2/x4/R2	RESISTOR	2.00k	1%	0603	Resisto	<u></u>
X2/X4/R9	RESISTOR	3.00k	1%	0603	Resisto	
X2/X4/R8	RESISTOR	0	1%	0603	Resisto	
X2/X4/K0 X2/X4/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X2/X3/R27	RESISTOR	44.2k	1% 1/10V		0603	Resistor
X2/X3/K2/ X2/X3/C3	CAPACITOR	4.7uF	10WVDC 2		1812	Ceramic capacito
r	CAPACITOR	4./ur	TOWADC 2	A/R	1012	Ceramic Capacito
x2/x3/C24 r	CAPACITOR	7.5nF	16WVDC 2	X7R	0603	Ceramic capacito
X2/X3/R28	RESISTOR	3.01k	1% 1/10V	M	0603	Resistor
X2/X3/R6	RESISTOR	1	1% 1/10V		0603	Resistor
X2/X3/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						
X2/X3/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X2/X3/R39	RESISTOR	15.0k	1% 1/10V	M	0603	Resistor
X2/X3/R40	RESISTOR	3.01k	1% 1/10V		0603	Resistor
X2/X3/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r						_
X2/X3/C25 r	CAPACITOR	0.1uF	16WVDC 2	X7R	0603	Ceramic capacito
X2/X3/R33	RESISTOR	330	1% 1/10V	M	0603	Resistor
X2/X3/R20	RESISTOR	1	1/4W	1206	Resisto	r
X2/X3/C23	CAPACITOR	0.1uF	16WVDC X	X7R	0603	Ceramic capacito
r X2/X3/R26	RESISTOR	1.05k	1% 1/100	ĪΑĪ	0603	Resistor
X2/X3/K20 X2/X3/C10	CAPACITOR	0.1uF	16WVDC 2		0603	Ceramic capacito
r	CAPACITOR	o.iur	IOWVDC 2	22 / 10	0003	ceramic capacito
X2/X3/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif			a		0.555	
X2/X3/C14	CAPACITOR	0.1uF	16WVDC 2	X'/R	0603	Ceramic capacito
r	DEGLESS	F 11	10 1 110		0.600	
X2/X3/R18	RESISTOR	5.11	1% 1/10V		0603	Resistor
X2/X3/C13	CAPACITOR	0.1uF	16WVDC X	x/R	0603	Ceramic capacito
r X2/X3/R17	RESISTOR	5.11	1% 1/10V	ĪΑĪ	0603	Resistor
X2/X3/R1/ X2/X3/C11	CAPACITOR	0.1uF	16WVDC 2		0603	Ceramic capacito
r	C111 11C 1 1 OIL	o. rar	TOW VDC 2	/ IC	5005	ceramic capacito

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X2/X3/R16	RESISTOR	5.11	eo.bom.txt 1% 1/10W	0603	Resistor
X2/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X2/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X3/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X3/Q2	MMBFJ309		unknown 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	
X2/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X3/R24	RESISTOR	20_	1% 1/10W	0603	Resistor
X2/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X2/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X2/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X2/X3/U12	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/U3	MAX4594DCKR		unknown SC70		alog switch
X2/X3/R25	RESISTOR	1.00Meg		Resisto	
X2/X3/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X2/X3/R15	RESISTOR	3.00k	1% 0603	Resisto	
X2/X3/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R4	RESISTOR	3.00k	1% 0603	Resisto	
X2/X3/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X2/X3/C21	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	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	
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	MAXIAEO AD CIZD			GDGE	
X2/X3/U7 X2/X3/C4 r	MAX4594DCKR CAPACITOR	unknown 100pF	unknown SC70 5% NPO Vitreous		alog switch Ceramic capacito
X2/X3/R2 X2/X3/R9 X2/X3/R8	RESISTOR RESISTOR RESISTOR	2.00k 3.00k 0	1% 0603 1% 0603 1% 0603	Resistor Resistor Resistor	r
X2/X3/C1 X2/X2/R27	CAPACITOR RESISTOR	220pF 44.2k	50WVDC 0805 1% 1/10W	Ceramic 0603	capacitor Resistor
X2/X2/C3 r X2/X2/C24	CAPACITOR CAPACITOR	4.7uF 7.5nF	10WVDC X7R 16WVDC X7R	1812 0603	Ceramic capacito Ceramic capacito
x2/x2/C24 r x2/x2/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X2/R6 X2/X2/C29	RESISTOR CAPACITOR	1 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X2/X2/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
X2/X2/R39 X2/X2/R40	RESISTOR RESISTOR	15.0k 3.01k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X2/X2/C28 r X2/X2/C25	CAPACITOR CAPACITOR	4.7uF 0.1uF	10WVDC X7R 16WVDC X7R	1812 0603	Ceramic capacito Ceramic capacito
r X2/X2/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X2/R20 X2/X2/C23	RESISTOR CAPACITOR	1 0.1uF	1/4W 1206 16WVDC X7R	Resistor 0603	r Ceramic capacito
r X2/X2/R26 X2/X2/C10	RESISTOR CAPACITOR	1.05k 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X2/X2/U10 rational amplif.	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X2/X2/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X2/R18 X2/X2/C13 r	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X2/X2/R17 X2/X2/C11 r	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X2/X2/R16 X2/X2/C5	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X2/X2/R5 X2/X2/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X2/X2/R21 X2/X2/C8	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
X2/X2/R22 X2/X2/C7	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r X2/X2/R23 X2/X2/R42 X2/X2/R1 X2/X2/Q2 X2/X2/C22 r	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

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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 capacito
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	IOWVDC 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	unknown SC70 16WVDC X7R	0603 Ceramic capacito
r				_
X2/X2/U3	MAX4594DCKR		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/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r	CHILICITOR		3011120 000	ceramic capacito
X2/X2/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X2/X2/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X2/X2/U9	AD7984BRMZ		unknown MSOP10	ADC
X2/X2/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X2/X2/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r	CAFACITOR	DNE	ZJWVDC X/K	-
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		F-	_	Jeramie 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/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	1012 CETAMIC Capacito
X2/X1/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
r v2/v1/p20	DEGLOSO	2 011-	10, 1/101.7	0603
X2/X1/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X2/X1/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X2/X1/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x2/x1/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Tantalum capacit
F0/00				

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X2/X1/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X2/X1/R40	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X2/X1/C28	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r	C11111C11O10	1. / 41	100000 11710	1012	ceramic capacito
X2/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C11111C11O10	0.141	100000 11710	0003	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			,		2
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	- 	- · 			
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-channe	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 opa	
X2/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X2/X1/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X1/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r		–	50 0 1	0-0-	
X2/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r	02 D 2 0	0 1 =	16	0.600	
X2/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r / P.1.1	DEGLESS	0 007	10 0000	_	
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 v2/v1/p20	DECTOROR	2 001-	10. 0000	Dogdata	
X2/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	r 54/00

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X2/X1/U11 X2/X1/C6	MAX4594DC CAPACITOR		unknown 0.1uF	unknown 16WVDC		SPST and	alog switch Ceramic capacito
r X2/X1/U3 X2/X1/R25 X2/X1/R19 X2/X1/R15	MAX4594DC RESISTOR RESISTOR RESISTOR	CKR	unknown 1.00Meg 62 3.00k		0603	SPST and Resistor 0805 Resistor	Resistor
X2/X1/C12 r	CAPACITOR	2	0.1uF	16WVDC			Ceramic capacito
X2/X1/R4 X2/X1/C20 r	RESISTOR CAPACITOR	2	3.00k 1nF	1% 50WVDC	0603 C0G	Resistor 0603	Ceramic capacito
X2/X1/C21	CAPACITOR	}	1nF	50WVDC	C0G	0603	Ceramic capacito
X2/X1/R14 X2/X1/U9 X2/X1/R7	RESISTOR AD7984BRM RESISTOR	ſΖ	46.4 unknown DNP	1% 1/10 unknown 1% 1/10	MSOP10	0603 ADC 0603	Resistor Resistor
X2/X1/C18	CAPACITOR	2	DNP	25WVDC	X7R	0603	Ceramic capacito
x2/x1/C19 r	CAPACITOR	}	2pF	25WVDC	X7R	0603	Ceramic capacito
X2/X1/R10 X2/X1/R12 X2/X1/U7 X2/X1/C4	RESISTOR RESISTOR MAX4594DC CAPACITOR		3.00k 3.00k unknown 100pF		0603 0603 SC70 Vitreous	Resistor Resistor SPST and 0505	
X2/X1/R2 X2/X1/R9 X2/X1/R8 X2/X1/C1	RESISTOR RESISTOR RESISTOR CAPACITOR	8	2.00k 3.00k 0 220pF	1% 1% 1% 50WVDC	0603 0603 0603 0805	Resistor Resistor Resistor Ceramic	<u>-</u>
Js StackCo					00-101-30		Stacking connect
J1 Flexpri	.nt u	ınknown	unknown	NK-2M2-	051	Airborne	e 51 pin connecto
X1/C39 CAPACIT X1/R51 RESISTO X1/R53 RESISTO X1/R52 RESISTO X1/C38 CAPACIT X1/C37 CAPACIT X1/U10 MAX3080 X1/C36 CAPACIT X1/U9 AD5328 X1/C35 CAPACIT X1/R48 RESISTO X1/R50 RESISTO X1/R49 RESISTO X1/R49 RESISTO X1/C34 CAPACIT	OR 3 OR 3 OR 3 OR 0 COR 0 COR 2 CSE+ u COR 2 unknown u COR 1 OR 3 OR 3	22nF	10WVDC > 5% 0.15W 1/10W 1% 1/10W 16WVDC > 50WVDC > Unknown 50WVDC > TSSOP16 10WVDC > 5% 0.15W 1% 1/10W 1% 1/10W 16WVDC > 16WVDC > 16WVDC > 15% 0.15W 16WVDC > 16WVDC > 16WVDC > 15% 0.16WVDC > 16WVDC > 1	V V V V V V V V V V V V V V V V V V V	0603	Resistor Resistor Ceramic Ceramic analog m Ceramic Ceramic Resistor Resistor	capacitor capacitor mux capacitor capacitor
X1/C33 CAPACIT X1/U8 MAX308C X1/C32 CAPACIT X1/U7 AD5328 X1/C31 CAPACIT	SE+ u OR 2 unknown u	22nF	50WVDC > unknown 50WVDC > TSSOP16 25WVDC >	SO16 Y7R Octal D	0603	analog m Ceramic	capacitor mux capacitor capacitor
X1/L4 EXC-3BE X1/C30 CAPACIT X1/L3 EXC-3BE	3102H u COR 2	nknown 22nF	unknown 50WVDC 2 unknown	0603 K7R	EMI chir 0603 EMI chir	Ceramic	capacitor
X1/L2 EXC-3BE X1/L2 EXC-3BE X1/L1 EXC-3BE	OR 2 3102H u	22nF inknown	50WVDC 3 unknown unknown	K7R 0603	0603 EMI chir	Ceramic	capacitor

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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		33051	SOWVEC	21 / 10	0005	ceramic capacito
X1/X6/R12	RESISTOR	470	1% 1/10	УM	0603	Resistor
X1/X6/C5	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r	CALACITOR	4 / III	JOWVDC	22 / 10	0005	ceramic capacito
x1/x6/c3	CAPACITOR	22nF	50WVDC	V7D	0603	Ceramic capacito
r	CAPACITOR	Z Z I I I ·	JOWVDC	A/K	0003	Ceramic Capacito
X1/X6/R6	RESISTOR	49.9	1% 1/10	זעז	0603	Resistor
X1/X6/R7		1.00Meg		0603	Resisto:	
	RESISTOR RESISTOR	1.00Meg 100k	1% 1%	0603	Resisto	
X1/X6/R1						
X1/X6/R2	RESISTOR	300k	1%	0603	Resisto:	
X1/X6/R3	RESISTOR	100k	1%	0603	Resisto	
X1/X6/R4	RESISTOR	301k	1%	0603	Resisto:	
X1/X6/C1	CAPACITOR	330pF	50WVDC	X'/R	0603	Ceramic capacito
r		450	70 7 /7 /		0.600	
X1/X6/R5	RESISTOR	470	1% 1/10		0603	Resistor
X1/X6/C2	CAPACITOR	47nF	50WVDC	X'/R	0805	Ceramic capacito
r					_	
X1/X5/R14	RESISTOR	301k	1%	0603	Resisto:	
X1/X5/R15	RESISTOR	301k	1%	0603	Resisto:	
X1/X5/U1	DUAL_OPAMP	LT2078A		N/A	S08	unknown
X1/X5/R13	RESISTOR	1.00Meg		0603	Resisto:	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) W	0603	Resistor
X1/X5/C5	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r						
x1/x5/C3	CAPACITOR	22nF	50WVDC	X7R	0603	Ceramic capacito
r	-					
X1/X5/R6	RESISTOR	49.9	1% 1/10) W	0603	Resistor
X1/X5/R7	RESISTOR	1.00Meg		0603	Resisto:	
X1/X5/R1	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R2	RESISTOR	300k	1%	0603	Resisto	
X1/X5/R2 X1/X5/R3	RESISTOR	100k	1%	0603	Resisto	
X1/X5/R3 X1/X5/R4	RESISTOR	301k	1%	0603	Resisto	
X1/X5/R4 X1/X5/C1	CAPACITOR	330pF	50WVDC		0603	Ceramic capacito
r	CAPACTIOK	330Pt	20MADC	AIR	0003	Ceramic Capacito
x1/x5/R5	RESISTOR	470	1% 1/10) W	0603	Resistor
X1/X5/R5 X1/X5/C2	CAPACITOR	470 47nF	50WVDC		0805	Ceramic capacito
	CAPACIIOR	-I / IIL	20MADC	ΔΙΚ	0005	Ceramic Capacito
r v1/p62 pretemot	R 49.9	1% 1/10	T _A T	0603	Resisto	r
X1/R62 RESISTOR						T
X1/R57 RESISTOR		1%	0603	Resisto		
X1/R54 RESISTOR		1%	0603	Resisto		
X1/R47 RESISTOR	_		0603	Resisto		
X1/R46 RESISTOR		1%	0603	Resisto		• .
X1/C27 CAPACITO	OR 22nF	100WVDC	X7R	0805	Ceramic	capacitor

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X1/R45	RESISTOR	40.2k 1%	0603	Resistor
X1/C26	CAPACITOR	33nF 25WVDC		0603 Ceramic capacitor
X1/R44	RESISTOR	604k 1%	0603	Resistor
X1/R43	RESISTOR	10k 1%	0603	Resistor
X1/C25	CAPACITOR	22nF 100WVD		0805 Ceramic capacitor
X1/R42	RESISTOR	10k 1%	0603	Resistor
x1/Q2	PNP_TRANSISTOR	PMBTA92 unknow		unknown
X1/R41	RESISTOR	200k 1%	0603	Resistor
X1/R40	RESISTOR	10k 1%	0603	Resistor
X1/Q1	PNP_TRANSISTOR	PMBTA92 unknow		unknown
	CAPACITOR	0.1uF 25WVDC	X7R	0603 Ceramic capacitor
X1/R39	RESISTOR	133k 1%	0603	Resistor
X1/U4	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dual operational
amplif	ier, SO8			
X1/R38	RESISTOR	604k 1%	0603	Resistor
X1/R37	RESISTOR	392k 1%	0603	Resistor
X1/R36	RESISTOR	200k 1%	0603	Resistor
X1/C23	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R35	RESISTOR	470 1% 1/1		0603 Resistor
X1/C22	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/U3	DUAL_OPAMP	LT2078AIS8	N/A	SO8 unknown
	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/C20	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/R34	RESISTOR	44.2k 1%	0603	Resistor
X1/R33	RESISTOR	604k 1%	0603	Resistor
X1/R32	RESISTOR	56.2k 1%	0603	Resistor
X1/R31	RESISTOR	200k 1%	0603	Resistor
X1/C19	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R30	RESISTOR	470 1% 1/1		0603 Resistor
X1/R29	RESISTOR	44.2k 1%	0603	Resistor
X1/R28	RESISTOR	604k 1%	0603	Resistor
X1/R27	RESISTOR	56.2k 1%	0603	Resistor
X1/R26	RESISTOR	200k 1%	0603	Resistor
X1/C18 X1/R25	CAPACITOR RESISTOR	3.3nF 50WVDC 470 1% 1/1		0603 Ceramic capacitor 0603 Resistor
X1/K25 X1/C17	CAPACITOR	0.22uF 25WVDC		
X1/U1/ X1/U2	DUAL_OPAMP	LT2078AIS8	N/A	1206 Ceramic capacitor SO8 unknown
X1/02 X1/C15	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/C15	CAPACITOR	0.047uF 50WVDC		0603 Ceramic capacitor
X1/C10 X1/R24	RESISTOR	54.9k 1%	0603	Resistor
X1/R23	RESISTOR	82.5k 1%	0603	Resistor
X1/R22	RESISTOR	604k 1%	0603	Resistor
X1/R21	RESISTOR	953k 1%	0603	Resistor
X1/R20	RESISTOR	200k 1%	0603	Resistor
X1/C14	CAPACITOR	3.3nF 50WVDC		0603 Ceramic capacitor
X1/R19	RESISTOR	470 1% 1/1		0603 Resistor
X1/C13	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/R18	RESISTOR	54.9k 1%	0603	Resistor
X1/R17	RESISTOR	82.5k 1%	0603	Resistor
X1/R16	RESISTOR	604k 1%	0603	Resistor
X1/R15	RESISTOR	953k 1%	0603	Resistor
X1/R14	RESISTOR	200k 1%	0603	Resistor
X1/C12	CAPACITOR	3.3nF 50WVDC	X7R	0603 Ceramic capacitor
X1/R13	RESISTOR	470 1% 1/1	OW	0603 Resistor
X1/C11	CAPACITOR	0.22uF 25WVDC		1206 Ceramic capacitor
X1/R60	RESISTOR	49.9 1% 1/1		0603 Resistor
X1/R61	RESISTOR	49.9 1% 1/1		0603 Resistor
X1/C40	CAPACITOR	0.1uF 25WVDC		0603 Ceramic capacitor
X1/U11	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dual operational

amplifier, S08 X1/U1 DUAL_OPAMP LT2078AIS8 N/A S08 X1/R12 RESISTOR 24.9k 1% 1/10W 0603 X1/C10 CAPACITOR 0.1uF 25WVDC X7R 0603 X1/C9 CAPACITOR 0.1uF 25WVDC X7R 0603	
X1/U1	Resistor Ceramic capacitor Ceramic capacitor Ceramic capacitor r
X1/R12 RESISTOR	Resistor Ceramic capacitor Ceramic capacitor Ceramic capacitor r
X1/C10 CAPACITOR 0.1uF 25WVDC X7R 0603 X1/C9 CAPACITOR 0.1uF 25WVDC X7R 0603	Ceramic capacitor Ceramic capacitor Ceramic capacitor r
X1/C9 CAPACITOR 0.1uF 25WVDC X7R 0603	Ceramic capacitor Ceramic capacitor r
	Ceramic capacitor r
X1/C8 CAPACITOR 0.1uF 25WVDC X7R 0603	r
X1/R11 RESISTOR 54.9k 1% 0603 Resisto	
X1/R10 RESISTOR	
X1/R9 RESISTOR 604k 1% 0603 Resisto	r
X1/R8 RESISTOR 953k 1% 0603 Resisto	
X1/R7 RESISTOR 200k 1% 0603 Resisto	
X1/C7 CAPACITOR 3.3nF 50WVDC X7R 0603	Ceramic capacitor
X1/R6	Resistor
X1/C6 CAPACITOR 0.22uF 25WVDC X7R 1206	Ceramic capacitor
X1/U5 DUAL_OPAMP LM6142AIM N/A SO8	generic dual operational
amplifier, SO8	
X1/R5 RESISTOR 4.75k 1% 1/10W 0603	Resistor
X1/C3 CAPACITOR 620pF 10WVDC X7R 0805	Ceramic capacitor
X1/R4 RESISTOR	Resistor
X1/R3	Resistor
X1/C2 CAPACITOR 1uF 10WVDC X7R 0805	Ceramic capacitor
X1/C5 CAPACITOR 1uF 10WVDC X7R 0805	Ceramic capacitor
X1/R2 RESISTOR 4.99 1% 1/10W 0603	Resistor
X1/C4 CAPACITOR 1uF 10WVDC X7R 0805	Ceramic capacitor
X1/R1 RESISTOR 49.9 1% 1/10W 0603	Resistor
X1/U6 REFERENCE REF43GS N/A SO8 2.5V Re	ference
X1/R59 RESISTOR 49.9 1% 1/10W 0603	Resistor
X1/X4/R27 RESISTOR 44.2k 1% 1/10W	0603 Resistor
X1/X4/C3 CAPACITOR 4.7uF 10WVDC X7R	1812 Ceramic capacite
X1/X4/C24 CAPACITOR 7.5nF 16WVDC X7R	0603 Ceramic capacite
X1/X4/R28 RESISTOR 3.01k 1% 1/10W	0603 Resistor
X1/X4/R6 RESISTOR 1 1% 1/10W	0603 Resistor
X1/X4/C29 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
r	
X1/X4/C30 POLARIZED_CAPACITOR 47uF 15WVDC or	2711 Tantalum capaci
X1/X4/R39 RESISTOR 15.0k 1% 1/10W	0603 Resistor
X1/X4/R40 RESISTOR 3.01k 1% 1/10W	0603 Resistor
X1/X4/C28 CAPACITOR 4.7uF 10WVDC X7R	1812 Ceramic capacite
X1/X4/C25 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
X1/X4/R33 RESISTOR 330 1% 1/10W	0603 Resistor
X1/X4/R20	Resistor
X1/X4/C23 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
X1/X4/R26	0603 Resistor
X1/X4/C10 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
r children	301 am20 0apa010
X1/X4/U10 DUAL_OPAMP LM6142AIM N/A	SO8 generic dual ope
rational amplifier, SO8	_
X1/X4/C14 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
X1/X4/R18 RESISTOR 5.11 1% 1/10W	0603 Resistor
X1/X4/C13 CAPACITOR 0.1uF 16WVDC X7R	0603 Ceramic capacite
r X1/X4/R17 RESISTOR 5.11 1% 1/10W	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/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
Y1 / Y4 / DF	DHATAMOD	г 11	1 0. 1 /1 OT.T	0.603	Danista
X1/X4/R5 X1/X4/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r	CAPACITOR	U.lur	TOWADC VIK	0003	Ceramic Capacito
X1/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x1/x4/D02	DHATAMOD	220	1% 1/10W	0.603	Danista
X1/X4/R23 X1/X4/R42	RESISTOR RESISTOR	330 4.32k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X1/X4/R4Z X1/X4/R1	RESISTOR	4.32k 4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X1/X4/N1 X1/X4/Q2	MMBFJ309		unknown SOT23	n-channe	
X1/X4/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X4/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X4/R41	RESISTOR	301k	1% 0603	Resistor	r
X1/X4/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X1/X4/R24 X1/X4/C16	RESISTOR CAPACITOR	20 1uF	1% 1/10W 10WVDC X7R	0603 0805	Resistor Ceramic capacito
r	CAPACITOR	lur	TOWADC VIK	0603	Ceramic Capacito
X1/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X1/X4/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X4/R11	RESISTOR	2.00k	1% 0603	Resistor	<u>r</u>
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	MAX4594DCKR	unknown 0.1uF	unknown SC70		alog switch
X1/X4/C6 r	CAPACITOR	U.luf	16WVDC X7R	0603	Ceramic capacito
x1/x4/U3	MAX4594DCKR	unknown	unknown SC70	SPST ana	alog switch
X1/X4/R25	RESISTOR	1.00Meg		Resistor	_
X1/X4/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X1/X4/R15	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x1/x4/D4	DEGLOSO	2 001	1.0	D-1	
X1/X4/R4	RESISTOR	3.00k	1% 0603	Resistor	
X1/X4/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
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	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r	G1 D1 G====	0 -	05:330 6 335	0.600	
X1/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r 56/62					Monday May 19, 2015

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X1/X4/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X1/X4/R12	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/U7	MAX4594DCKR		unknown SC70		alog switch
X1/X4/C4	CAPACITOR	100pF	5% NPO Vitreo		Ceramic capacito
r	C11111C11O11	10051	30 W 0 VICIO	25 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					
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		3.242	= 3= 3 11/10		
X1/X3/C30 or	POLARIZED_CAPAC	ITOR	47uF 15WVD0	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		0 1	1 (1111) (1117)	0.603	
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		0.141	_0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5005	capacito capacito
X1/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	-	: -			1 114 115 = 30
X1/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C7	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	0603	Resistor
X1/X3/R1 X1/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X3/Q2	MMBFJ309		unknown SOT23	n-chann	
Maraday May 40, 004		31117 WII		01141111	

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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% 0603	Resistor
X1/X3/K41 X1/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U8	ADA4805-IAKSZ ADA4805-1AKSZ		unknown SC70-6	
X1/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp Fast opamp
			unknown SC70-6	<u> </u>
X1/X3/U4	ADA4805-1AKSZ			Fast opamp
X1/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X1/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
X1/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X1/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X1/X3/R11	RESISTOR	2.00k	1% 0603	Resistor
X1/X3/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X1/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/K38 X1/X3/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/011 X1/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacite
r	CAPACITOR	U.lur	TOWVDC X/R	Ceramic Capacito
X1/X3/U3	MAX4594DCKR		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	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r X1/X3/R4	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r				_
X1/X3/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X1/X3/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X1/X3/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC
X1/X3/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X1/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacite
r X1/X3/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r	DEGE CESS	_	10 0000	_
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	0505 Ceramic capacito
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 v1/v2/c24		7 550	16WVDC V7D	0603 Commin constit
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				
F0/00				Maraday May 40, 004

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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	01111011011	1. / 41	1011120	11,11	1012	ceramic eapacies
X1/X2/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R33	RESISTOR	330	1% 1/10	DW	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	DW	0603	Resistor
X1/X2/C10	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X2/U10 rational amplif	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
X1/X2/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X2/R18	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C13 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R17	RESISTOR	5.11	1% 1/10	λM	0603	Resistor
X1/X2/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						_
X1/X2/R16	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C5	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r					0.500	
X1/X2/R5	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C9	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X1/X2/R21	RESISTOR	330	1% 1/10	זעז	0603	Resistor
X1/X2/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CHILICITOR	0.141	TOWADO	21,10	0003	ceramic capacites
X1/X2/R22	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/C7	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						-
X1/X2/R23	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/Q2	MMBFJ309	unknown			n-chann	
X1/X2/C22	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r x1/x2/D12	DHGTGMOD	1.6 1	10. 1/1/) r. r	0.00	Dani
X1/X2/R13	RESISTOR	46.4	1% 1/10 1%		0603	Resistor
X1/X2/R41	RESISTOR	301k		0603 n SC70-6	Resistor	
X1/X2/U6 X1/X2/U8	ADA4805-1AKSZ ADA4805-1AKSZ			n SC70-6 n SC70-6	Fast op	
X1/X2/U5 X1/X2/U5	ADA4805-IAKSZ ADA4805-1AKSZ			n SC70-6	Fast op	
X1/X2/U4 X1/X2/U4	ADA4805-IAKSZ			1 SC70-6 1 SC70-6	Fast op	
X1/X2/R24	RESISTOR	20	1% 1/10		0603	Resistor
X1/X2/C16	CAPACITOR	luF	10WVDC		0805	Ceramic capacito
r		— -	20	- · - *		
X1/X2/C4a	CAPACITOR	30pF	5% NP0	Vitreous	0505	Ceramic capacito
r X1/X2/C2	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r v1/v2/p11	D T C T C T C T C T C T C T C T C T C T	2 001-	1 2	0602	Pociata	1 C
X1/X2/R11 X1/X2/U12	RESISTOR MAX4594DCKR	2.00k unknown	1%	0603	Resisto:	
X1/X2/U12 X1/X2/C17	CAPACITOR	0.1uF	16WVDC		0603	alog switch Ceramic capacito
Maraday May 40, 004		U.IUF	TOMADO	27 / 17	0000	Ceramic Capacito

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r						5
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 eapacree
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				
X1/X2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r	01121102201		3311123			ocramic caracte
x1/x2/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r						
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						7
X1/X2/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r		-				
X1/X2/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/R12	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/U7	MAX4594DCKR	unknown	unknown	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	W	0603	Resistor
X1/X1/R6	RESISTOR	1	1% 1/10	W	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	DEGEGE===	1 0=7	10 T		0.500	
X1/X1/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X1/X1/C10	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
r				/-	G G G	, , , ,
X1/X1/U10	DUAL_OPAMP	LM6142A	ΙM	N/A	S08	generic dual ope
rational amplif		0.1.	1 6		0.500	
X1/X1/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
00/00						

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

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