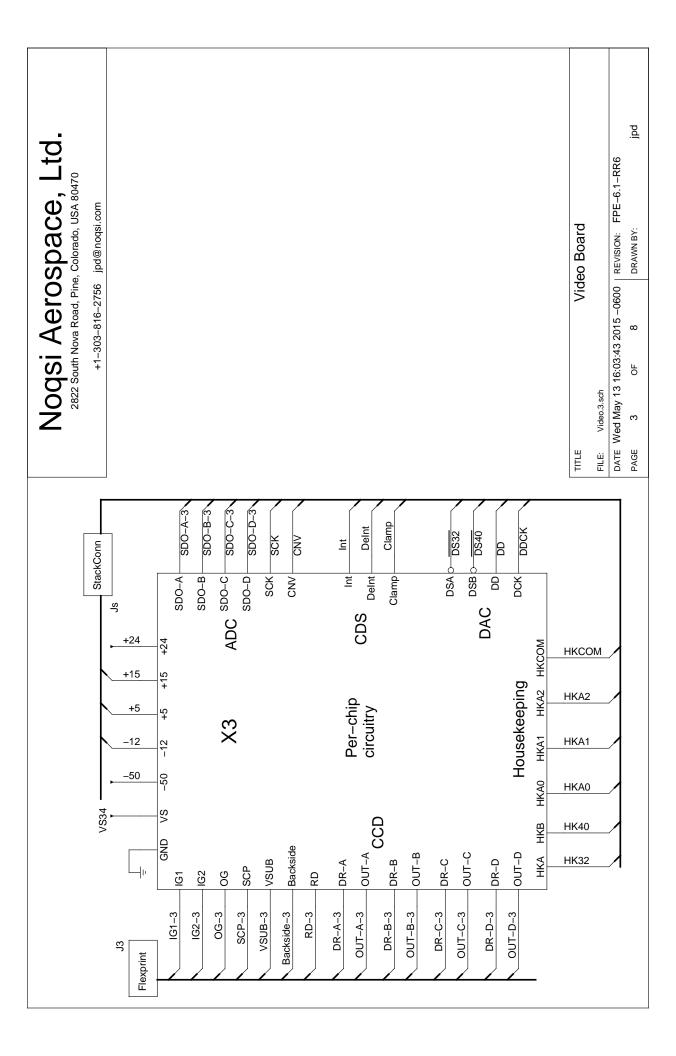
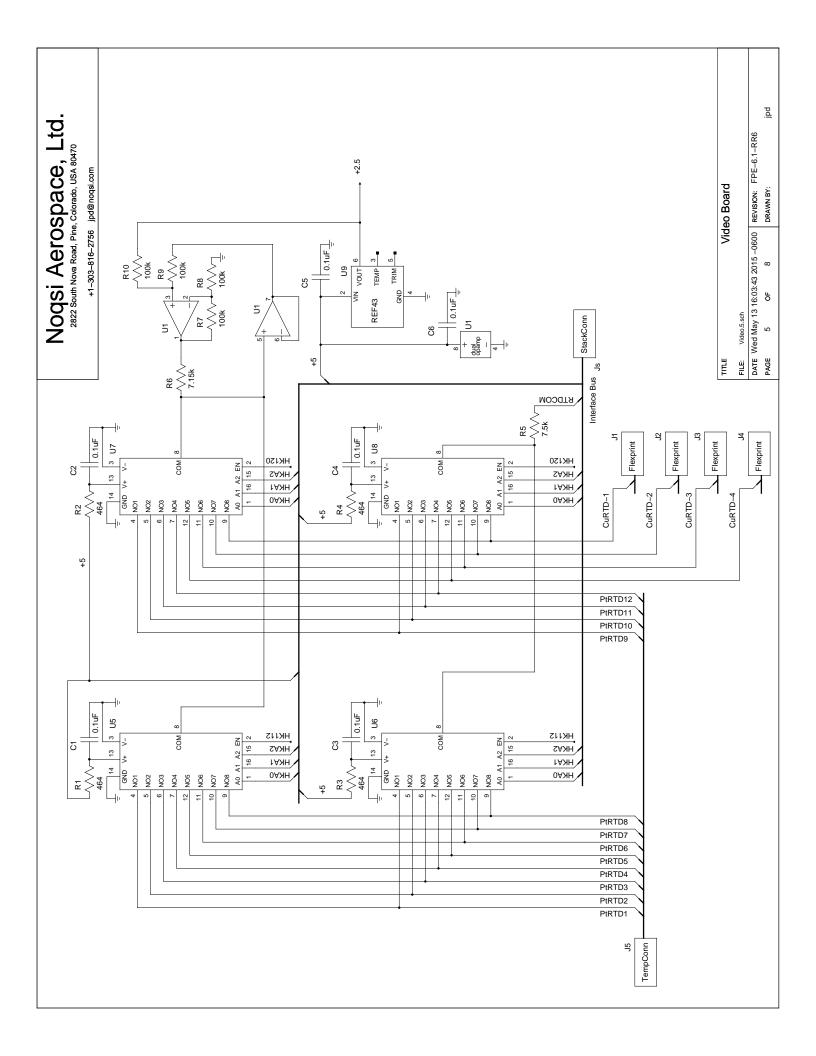
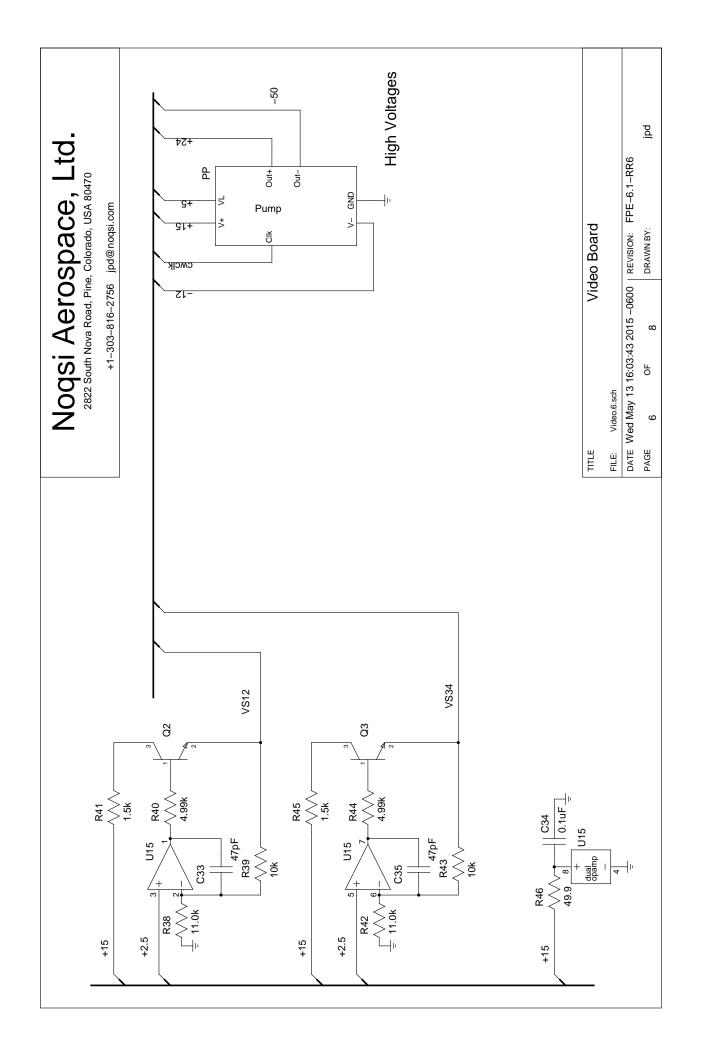


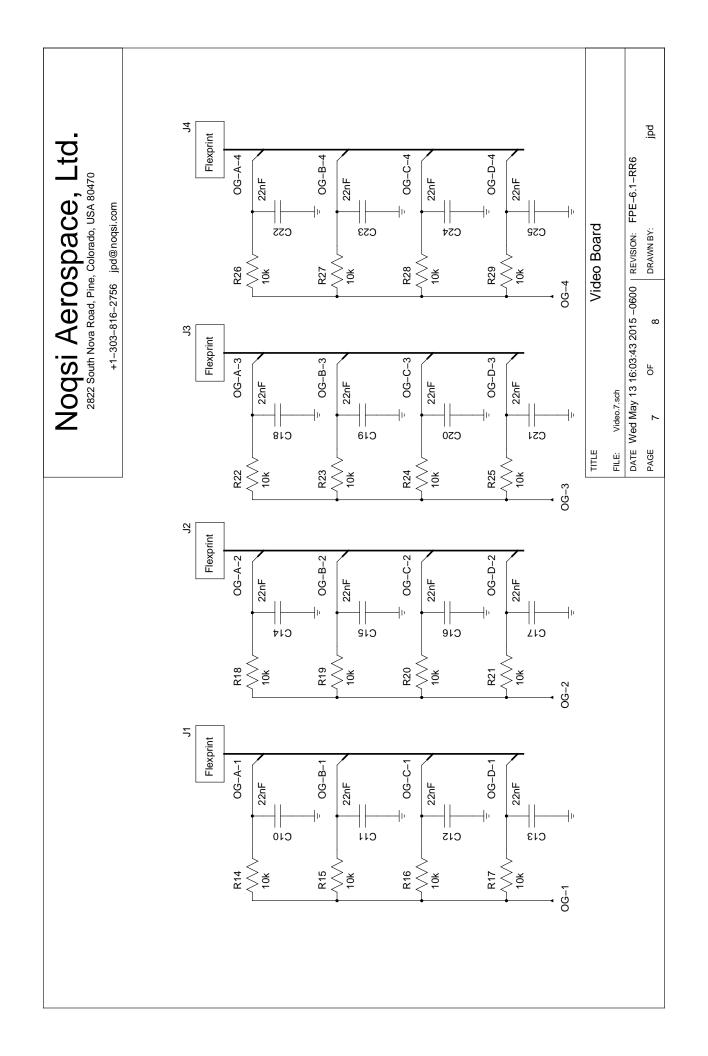
## bd Nodsi Aerospace, Ltd DATE Wed May 13 16:03:43 2015 -0600 | REVISION: FPE-6.1-RR6 2822 South Nova Road, Pine, Colorado, USA 80470 +1-303-816-2756 jpd@noqsi.com Video Board DRAWN BY: FILE: Video.2.sch TITLE SDO-A-2 SDO-C-2 SDO-B-2 SDO-D-2 Clamp DeInt DDCK **DS16** CN/ Ħ StackConn 8 ADC SDO-C DSA DSB SDO-D t DeInt S SDO-A SDO-B 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 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

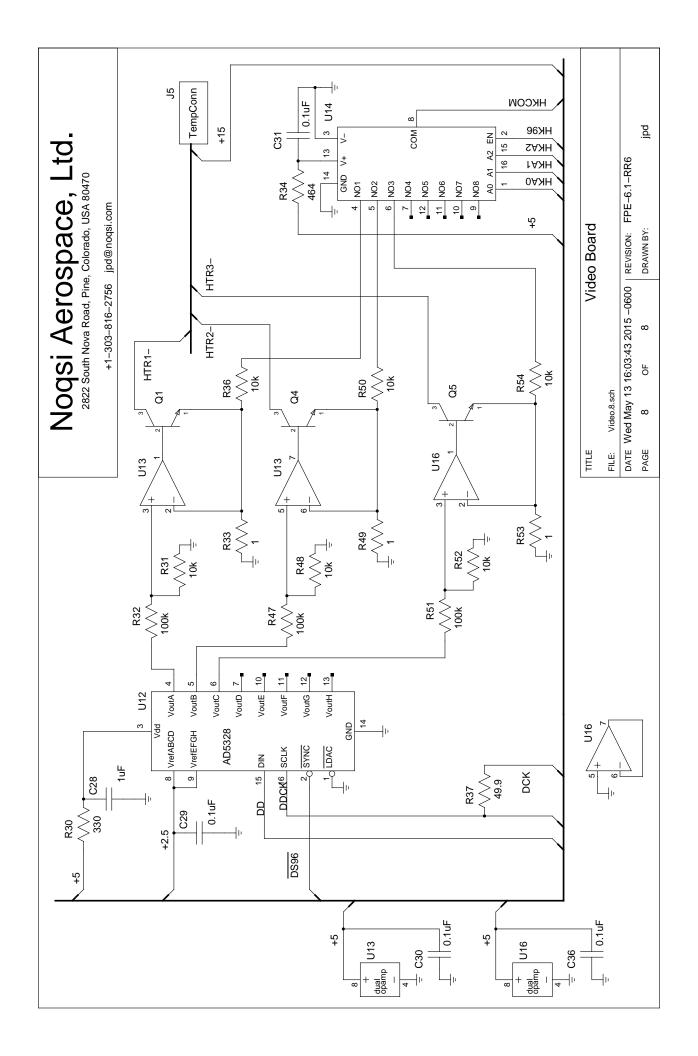


## bd Nodsi Aerospace, Ltd DATE Wed May 13 16:03:43 2015 -0600 | REVISION: FPE-6.1-RR6 2822 South Nova Road, Pine, Colorado, USA 80470 +1-303-816-2756 jpd@noqsi.com Video Board DRAWN BY: FILE: Video.4.sch TITLE SD0-A-4 SDO-D-4 SDO-B-4 SDO-C-4 Clamp DeInt DDCK DS48 CN/ Ħ StackConn 8 ADC SDO-C DSA DSB 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









			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	4 4		
May 13,	15 16:04		Video.bom.	txt		Page 1/42
refdes	device value	spec	footprint	descript		
C30	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
R54	RESISTOR	10k	1% 1/10W	0603	Resistor	
R53	RESISTOR	1	1% 1/10W	0603	Resistor	
Q5	LM195H unknown					
R51	RESISTOR	100k	1% 1/10W	0603	Resistor	
R52	RESISTOR	10k	1% 1/10W	0603	Resistor	
R50	RESISTOR	10k	1% 1/10W	0603	Resistor	
R49	RESISTOR	1	1% 1/10W	0603	Resistor	
Q4	LM195H unknown					
R47	RESISTOR	100k	1% 1/10W	0603	Resistor	
R48	RESISTOR	10k	1% 1/10W	0603	Resistor	
U16	DUAL_OPAMP	LT2078A		S08	unknown	
C36	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	cor
R36	RESISTOR	10k	1% 1/10W	0603	Resistor	
R33	RESISTOR	1	1% 1/10W	0603	Resistor	
Q1	LM195H unknown			0.600		
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 Di		Danish	
R17 C13	RESISTOR	10k	1% 1/10W	0603	Resistor	0.70
R16	CAPACITOR	22nF 10k	50WVDC X7R	0603 0603	Ceramic capacit Resistor	.Or
C12	RESISTOR CAPACITOR	22nF	1% 1/10W 50WVDC X7R	0603		.0.2
R15	RESISTOR	10k	1% 1/10W	0603	Ceramic capacit Resistor	.01
C11	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	.0%
R14	RESISTOR	10k	1% 1/10W	0603	Resistor	.01
C10	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R21	RESISTOR	10k	1% 1/10W	0603	Resistor	.01
C17	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R20	RESISTOR	10k	1% 1/10W	0603	Resistor	.01
C16	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R19	RESISTOR	10k	1% 1/10W	0603	Resistor	.01
C15	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R18	RESISTOR	10k	1% 1/10W	0603	Resistor	
C14	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R25	RESISTOR	10k	1% 1/10W	0603	Resistor	· <del></del>
C21	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R24	RESISTOR	10k	1% 1/10W	0603	Resistor	· = =
C20	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R23	RESISTOR	10k	1% 1/10W	0603	Resistor	- =
C19	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R22	RESISTOR	10k	1% 1/10W	0603	Resistor	
C18	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R29	RESISTOR	10k	1% 1/10W	0603	Resistor	
C25	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R28	RESISTOR	10k	1% 1/10W	0603	Resistor	
C24	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R27	RESISTOR	10k	1% 1/10W	0603	Resistor	
C23	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R26	RESISTOR	10k	1% 1/10W	0603	Resistor	
I						

May 13,	15 16:04		Video.bom.	txt		Page 2/42
C22	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
R46	RESISTOR	49.9	1% 1/10W	0603	Resistor	
C35	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacit	or
C33	CAPACITOR	47pF	50WVDC NP0	0603	Ceramic capacit	
R45	RESISTOR	1.5k	1% 1/4W 0603	Resisto	_	
R44	RESISTOR	4.99k	1% 1/10W	0603	Resistor	
Q3	NPN_TRANSISTOR				unknown	
R43	RESISTOR	10k	1% 1/10W	0603	Resistor	
R42	RESISTOR	11.0k	1% 1/10W	0603	Resistor	
C34	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacit	or
R41	RESISTOR	1.5k	1% 1/4W 0603	Resistor		.01
R41	RESISTOR	4.99k	1% 1/4W 0003 1% 1/10W	0603	Resistor	
	NPN_TRANSISTOR				unknown	
Q2						
R39	RESISTOR	10k	1% 1/10W	0603 0603	Resistor	
R38	RESISTOR	11.0k	1% 1/10W		Resistor	
U15	DUAL_OPAMP	LM6142A	IM N/A	SO8	generic dual op	erational
_	ier, SO8	0 60-1		1010	Q	
	CAPACITOR	0.68uF	50WVDC X7R	1812	Ceramic capacit	or
	RESISTOR	23.7	1% 1/10W	0603	Resistor	
	CAPACITOR	22nF	100WVDC X7R	0805	Ceramic capacit	cor
	RESISTOR	200	1% 1/10W	0603	Resistor	
	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	or
PP/R11	RESISTOR	100	5% 1/4W 1206	Resisto		
	CAPACITOR		25WVDC X7R	1206	Ceramic capacit	or
PP/R3	RESISTOR	60.4k	1% 1/10W	0603 0603 0603	Resistor	
PP/R2	RESISTOR	30.1k	1% 1/10W	0603	Resistor	
	RESISTOR	16.9	1% 1/10W		Resistor	
PP/Q4	PMOS_TRANSISTOR		ON unknown	TO252AA	generic P chann	el MOS tr
	r (enhancement t		_			
PP/Q1	PNP_TRANSISTOR				unknown	
	CAPACITOR	0.27uF	25WVDC X7R	1206	Ceramic capacit	
PP/C9	CAPACITOR	DNP		0603	Ceramic capacit	
PP/C8	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	
PP/C7		22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/C6	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D8	DIODE 1N914UR		DO213AA Signal 1			
PP/D7	DIODE 1N914UR	N/A	DO213AA Signal 1	Diode		
PP/D6	DIODE 1N914UR	N/A	DO213AA Signal I	Diode		
PP/D5	DIODE 1N914UR	N/A	DO213AA Signal I	Diode		
PP/D4	DIODE 1N914UR	N/A	DO213AA Signal 1			
PP/C5	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D3	DIODE 1N914UR		DO213AA Signal I		_	
PP/C4	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D2	DIODE 1N914UR		DO213AA Signal 1			
PP/C3	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/R10	RESISTOR	20	1% 1/10W	0603	Resistor	· = <del>-</del>
PP/C2	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacit	or
PP/D1	DIODE 1N914UR		DO213AA Signal 1		JULIANILO CAPACIO	. • •
PP/R9	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/Q6	PNP_TRANSISTOR				unknown	
PP/R8	RESISTOR	100	1% 1/10W	0603	Resistor	
PP/R6 PP/Q5	NPN_TRANSISTOR				unknown	
	RESISTOR	100	5% 1/10W	0603	Resistor	
PP/R7						0.70
PP/C1	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacit	OL.
PP/U1		unknown		DT switch		
PP/R6	RESISTOR	133k	1% 1/10W	0603	Resistor	
PP/R5	RESISTOR	26.7k	1% 1/10W	0603	Resistor	
PP/R4 PP/Q3	RESISTOR	16.9	1% 1/10W	0603	Resistor	al Mac +
	NMOS_TRANSISTOR	TKFKZZUI	n unknown	IUZ5ZAA	generic N chann	iei MOS tr

May 13.	15 16:04		Video.bon	n.txt	Page 3/42
	r (enhancement t	vne)			. a.g. a
PP/Q2	NPN_TRANSISTOR	MMBT222	2A unknow	vn UB	unknown
U1	DUAL_OPAMP	LT2078A		S08	unknown
C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
U9	REFERENCE	REF43GS	N/A SO8	2.5V Re	
R10	RESISTOR	100k	1% 1/10W	0603	Resistor
R9	RESISTOR	100k	1% 1/10W	0603	Resistor
R8	RESISTOR	100k	1% 1/10W	0603	Resistor
R7	RESISTOR	100k	1% 1/10W	0603	Resistor
R6	RESISTOR	7.15k	1% 1/10W	0603	Resistor
R5	RESISTOR	7.5k	1% 1/10W	0603	Resistor
C4	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
C3	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
R4	RESISTOR	464	1% 1/10W	0603	Resistor
R3	RESISTOR	464	1% 1/10W	0603	Resistor
C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
R2	RESISTOR	464	1% 1/10W	0603	Resistor
J5	TempConn	MDM31P	unknown MDM31E		
U8	MAX308CSE+		unknown S016		analog mux
U7	MAX308CSE+		unknown S016		analog mux
U6	MAX308CSE+		unknown S016		analog mux
U5 R1	MAX308CSE+	464	unknown SO16 1% 1/10W	0603	analog mux Resistor
C1	RESISTOR CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
J4	Flexprint		unknown NK-2M2		Airborne 51 pin connecto
r	ricapitiic	amanown	difficult int Zinz	. 051	Aliborne di pin connecco
X4/C39	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X4/R51	RESISTOR	330	5% 0.15W	0805	Resistor
X4/R53	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/R52	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/C38	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
X4/C37	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U10	MAX308CSE+		unknown S016		analog mux
X4/C36	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/U9			TSSOP16 Octal		
X4/C35	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacitor
X4/R48	RESISTOR	330	5% 0.15W	0805	Resistor
X4/R50	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/R49	RESISTOR	3.74k	1% 1/10W	0603	Resistor
X4/C34	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacitor
X4/C33 X4/U8	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/08 X4/C32	MAX308CSE+ CAPACITOR	22nF	unknown SO16 50WVDC X7R	0603	analog mux Ceramic capacitor
X4/U7			TSSOP16 Octal		Ceramic Capacitor
X4/C31	CAPACITOR	0.1uF	25WVDC X7R	0603	Ceramic capacitor
X4/L4	EXC-3BB102H		unknown 0603	EMI chi	
X4/C30	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/L3	EXC-3BB102H		unknown 0603	EMI chi	
	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
	EXC-3BB102H		unknown 0603	EMI chi	
X4/L1	EXC-3BB102H		unknown 0603	EMI chi	
x4/C28	CAPACITOR	22nF	50WVDC X7R	0603	Ceramic capacitor
X4/X6/R3			301k 1%	0603	Resistor
X4/X6/R3	15 RESISTO	R	301k 1%	0603	Resistor
X4/X6/U2	<del>-</del>		LT2078AIS8	N/A	SO8 unknown
X4/X6/R3			1.00Meg 1%	0603	Resistor
X4/X6/R8			100k 1%	0603	Resistor
X4/X6/R9	9 RESISTO	R	300k 1%	0603	Resistor

May 13, 15 16:04			Vide	eo.bom	.txt		Page 4/42
X4/X6/R10	RESISTOR	?	100k	 1왕	0603	Resisto	
X4/X6/R11	RESISTOR		301k	1%	0603	Resistor	
X4/X6/C4	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
x4/x6/C4	CAPACIIC	)K	330pr	SOMADC	A/R	0003	Ceramic Capacito
X4/X6/R12	RESISTOR		470	1% 1/10	זאז (	0603	Resistor
X4/X6/C5	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r	CAPACIIC		4 / III:	JOWVDC	X/IC	0005	ceramic capacito
x4/x6/C3	CAPACITO	AC	22nF	50WVDC	X7R	0603	Ceramic capacito
r	CHILICTIC	<b>71</b> 0	22111	SOWVEC	21 / 10	0005	ceramic capacito
X4/X6/R6	RESISTOR	?	49.9	1% 1/10	УM	0603	Resistor
X4/X6/R7	RESISTOR		1.00Meg		0603	Resistor	
X4/X6/R1	RESISTOR		100k	1%	0603	Resistor	
X4/X6/R2	RESISTOR		300k	1%	0603	Resistor	
X4/X6/R3	RESISTOR		100k	1%	0603	Resistor	
X4/X6/R4	RESISTOR		301k	1%	0603	Resistor	
X4/X6/C1	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r	0111110110		0001	3011120			ocramic caracter
X4/X6/R5	RESISTOR	2	470	1% 1/10	) W	0603	Resistor
X4/X6/C2	CAPACITO		47nF	50WVDC		0805	Ceramic capacito
r	0111110110		- /	3011120			ocramic caracter
X4/X5/R14	RESISTOR	ξ	301k	1%	0603	Resistor	r
X4/X5/R15	RESISTOR		301k	1%	0603	Resistor	
X4/X5/U1	DUAL_OPA		LT2078A		N/A	S08	unknown
X4/X5/R13	RESISTOR		1.00Meg		0603	Resistor	
X4/X5/R8	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R9	RESISTOR		300k	1%	0603	Resistor	
X4/X5/R10	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R11	RESISTOR		301k	1%	0603	Resistor	
X4/X5/C4	CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r			_				-
X4/X5/R12	RESISTOR	2	470	1% 1/10	W	0603	Resistor
X4/X5/C5	CAPACITO	)R	47nF	50WVDC	X7R	0805	Ceramic capacito
r							
X4/X5/C3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
r							
X4/X5/R6	RESISTOR		49.9	1% 1/10		0603	Resistor
X4/X5/R7	RESISTOR		1.00Meg		0603	Resisto	
X4/X5/R1	RESISTOR		100k	1%	0603	Resistor	
X4/X5/R2	RESISTOR		300k	1%	0603	Resistor	
X4/X5/R3	RESISTOR		100k	1%	0603	Resisto	
X4/X5/R4	RESISTOR		301k	1%	0603	Resisto	
X4/X5/C1	CAPACITO	)R	330pF	50WVDC	X7R	0603	Ceramic capacito
r	DDG-5-5-		450	10 1 11	\	0.600	
X4/X5/R5	RESISTOR		470	1% 1/10		0603	Resistor
X4/X5/C2	CAPACITO	)K	47nF	50WVDC	X/K	0805	Ceramic capacito
Y / DECTORO	ח	40.0	10 1 /1 ^ +	aT	0603	Dogiata	10
X4/R62 RESISTO		49.9	1% 1/10V		0603	Resisto	Ĺ
X4/R57 RESISTO		301k	1% 1%	0603	Resisto		
X4/R54 RESISTO X4/R47 RESISTO		0 3.01Meg	18 18	0603 0603	Resisto		
X4/R47 RESISTO X4/R46 RESISTO		37.4k	1%	0603	Resisto		
X4/R46 RESISIO		37.4k 22nF	100WVDC		0805		capacitor
X4/C2/ CAPACIT X4/R45 RESISTO		40.2k	100WVDC	0603	Resisto		Capacitor
X4/R45 RESISION X4/C26 CAPACIT		33nF	25WVDC 2		0603		capacitor
X4/C26 CAPACII X4/R44 RESISTO		604k	25WVDC 2	0603	Resisto		Capacitor
X4/R44 RESISTO		10k	1%	0603	Resisto		
X4/R43 RESISTO		22nF	100WVDC		0805		capacitor
X4/C25 CAPACII X4/R42 RESISTO		10k	100WVDC	0603	Resisto		capacitor
			unknown		unknown		
24/ VZ FNF_IRA	TADIDION	THULHIZ	ATTIVITO WIL	עט	WIIWIIOWII		

May 13,	15 16:04		Vid	eo.bom.	.txt	Page 5/42
X4/R41	RESISTOR	200k	1%	0603	Resisto	r
	RESISTOR	10k	1%	0603	Resisto:	r
	PNP_TRANSISTOR	PMBTA92			unknown	
	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/R39	RESISTOR	133k	1%	0603	Resisto:	
X4/U4	DUAL_OPAMP	LM6142A	IM	N/A	SO8	generic dual operational
	ier, SO8					
X4/R38	RESISTOR	604k	1%	0603	Resisto:	
X4/R37	RESISTOR	392k	1%	0603	Resisto:	
X4/R36	RESISTOR	200k	1%	0603	Resisto:	
	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
	RESISTOR	470	1% 1/10		0603	Resistor
· ·	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/U3	DUAL_OPAMP	LT2078A		N/A	S08	unknown
	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
· ·	RESISTOR	44.2k	1%	0603	Resisto	
	RESISTOR	604k	1%	0603	Resisto	
· ·	RESISTOR	56.2k	1%	0603	Resisto	
X4/R31	RESISTOR	200k	1%	0603	Resisto:	
· ·	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
X4/R30	RESISTOR	470	1% 1/10		0603	Resistor
X4/R29	RESISTOR	44.2k	1%	0603	Resisto	
X4/R28	RESISTOR	604k	1%	0603	Resisto	
	RESISTOR	56.2k	1%	0603	Resisto	
	RESISTOR	200k	1%	0603	Resisto	
	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
	RESISTOR	470	1% 1/10		0603	Resistor
X4/C17	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/U2	DUAL_OPAMP	LT2078A		N/A	SO8	unknown
	CAPACITOR	0.1uF	25WVDC 50WVDC		0603 0603	Ceramic capacitor
	CAPACITOR RESISTOR	54.9k	1%	0603	Resisto	Ceramic capacitor
· ·	RESISTOR	82.5k	1%	0603	Resisto	
X4/R23 X4/R22	RESISTOR	604k	1%	0603	Resisto	
X4/R22 X4/R21	RESISTOR	953k	1%	0603	Resisto	
	RESISTOR	200k	1%	0603	Resisto	
X4/K20 X4/C14	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
	RESISTOR	470	1% 1/10		0603	Resistor
	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
	RESISTOR	54.9k	1%	0603	Resisto	<del>-</del>
·	RESISTOR	82.5k	1%	0603	Resisto	
	RESISTOR	604k	1%	0603	Resisto	
X4/R15	RESISTOR	953k	1%	0603	Resisto	
X4/R14	RESISTOR	200k	1%	0603	Resisto	
X4/C12	CAPACITOR	3.3nF	50WVDC		0603	Ceramic capacitor
X4/R13	RESISTOR	470	1% 1/10		0603	Resistor
X4/C11	CAPACITOR	0.22uF	25WVDC		1206	Ceramic capacitor
X4/R60	RESISTOR	49.9	1% 1/10	W	0603	Resistor
X4/R61	RESISTOR	49.9	1% 1/10		0603	Resistor
X4/C40	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/U11	DUAL_OPAMP	LM6142A		N/A	S08	generic dual operational
	ier, SO8					
X4/U1	DUAL_OPAMP	LT2078A		N/A	S08	unknown
X4/R12	RESISTOR	24.9k	1% 1/10		0603	Resistor
X4/C10	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/C9	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/C8	CAPACITOR	0.1uF	25WVDC		0603	Ceramic capacitor
X4/R11	RESISTOR	54.9k	1%	0603	Resisto:	r

May 13,	15 16:04			Vide	eo.bom	.txt		Page 6/42
X4/R10	RESISTOR	 R	82.5k	1%	0603	Resisto	 r	
X4/R9	RESISTO		604k	1%	0603	Resisto		
X4/R8	RESISTO		953k	1%	0603	Resisto		
X4/R7	RESISTO		200k	1%	0603	Resisto		
X4/C7	CAPACITO		3.3nF	50WVDC		0603		capacitor
X4/R6	RESISTOR		470	1% 1/10		0603	Resisto	
X4/C6	CAPACITO		0.22uF	25WVDC		1206		capacitor
X4/U5	DUAL_OP		LM6142A		N/A	SO8		dual operational
	ier, SO8	. 11 11	1110112111		11/11	500	90110110	addi operacionai
X4/R5	RESISTOR	₹	4.75k	1% 1/10	N.	0603	Resisto	r
X4/C3	CAPACITO		620pF	10WVDC		0805		capacitor
X4/R4	RESISTO		14.7k	1% 1/10		0603	Resisto	
X4/R3	RESISTO		1	1% 1/10		0603	Resisto	
X4/C2	CAPACITO		- 1uF	10WVDC		0805		capacitor
X4/C5	CAPACITO		1uF	10WVDC		0805		capacitor
X4/R2	RESISTO		4.99	1% 1/10		0603	Resisto	
X4/C4	CAPACITO		luF	10WVDC		0805		capacitor
X4/R1	RESISTO		49.9	1% 1/10		0603	Resisto	
X4/U6	REFEREN			N/A	S08	2.5V Re		_
X4/R59	RESISTOR		49.9	1% 1/10		0603	Resisto	r
X4/X4/R2		RESISTOR		44.2k	1% 1/10		0603	Resistor
X4/X4/C3		CAPACITO		4.7uF	10WVDC		1812	Ceramic capacito
r	-		- · <del>-</del>		20		<b></b>	
x4/x4/c2	24	CAPACITO	OR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R2	28	RESISTO	ર	3.01k	1% 1/10	W	0603	Resistor
X4/X4/R6		RESISTO		1	1% 1/10		0603	Resistor
X4/X4/C2		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r X4/X4/C3			ED_CAPACI		47uF	15WVDC	2711	Tantalum capacit
or								
X4/X4/R3	39	RESISTO	3	15.0k	1% 1/10	W	0603	Resistor
X4/X4/R4	40	RESISTO	3	3.01k	1% 1/10	W	0603	Resistor
x4/x4/c2	28	CAPACITO	OR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
x4/x4/C2	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	33	RESISTO	3	330	1% 1/10	M	0603	Resistor
X4/X4/R2		RESISTO		1	1/4W	1206	Resisto	r
X4/X4/C2	23	CAPACITO		0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								
X4/X4/R2		RESISTO		1.05k	1% 1/10		0603	Resistor
X4/X4/C	10	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X4/X4/U		DUAL_OPA	AMP	LM6142A	IM	N/A	S08	generic dual ope
	l amplif:							
x4/x4/C1	14	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X4/X4/R3	18	RESISTO	3	5.11	1% 1/10	M	0603	Resistor
X4/X4/C	13	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								-
X4/X4/R3	17	RESISTO	5	5.11	1% 1/10	W	0603	Resistor
X4/X4/C		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r								-
X4/X4/R3	16	RESISTO	5	5.11	1% 1/10	W	0603	Resistor
X4/X4/C	5	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r								_
X4/X4/R5	5	RESISTO	5	5.11	1% 1/10	W	0603	Resistor
X4/X4/C9	9	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
00/00								

May 13, 15 16:04		Vid	eo.bom.txt	Page 7/42
r				. a.g =
X4/X4/R21	RESISTOR	330	1% 1/10W	0603 Resistor
X4/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X4/X4/R22	RESISTOR	330	1% 1/10W	0603 Resistor
X4/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X4/X4/R23	RESISTOR	330	1% 1/10W	0603 Resistor
X4/X4/R42	RESISTOR	4.32k	1% 1/10W	0603 Resistor
X4/X4/R1	RESISTOR	4.32k	1% 1/10W	0603 Resistor
X4/X4/Q2	MMBFJ309		unknown SOT23	n-channel jfet
X4/X4/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X4/X4/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor
X4/X4/R41	RESISTOR	301k	1% 0603	Resistor
X4/X4/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X4/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X4/X4/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp
X4/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X4/X4/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X4/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
r x4/x4/04-		2 O III	E 9. NID 0 17. +	0505
X4/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X4/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	0.141	1000000 21710	ceramic capacito
X4/X4/R11	RESISTOR	2.00k	1% 0603	Resistor
X4/X4/U12	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X4/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X4/X4/R38	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X4/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x4/x4/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X4/X4/R25	RESISTOR	1.00Meg		Resistor
X4/X4/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X4/X4/R15	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				
X4/X4/R4	RESISTOR	3.00k	1% 0603	Resistor
X4/X4/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r v4/v4/c21	CADACITOD	1 n E	50WVDC COG	0603 Ceramic capacito
X4/X4/C21 r	CAPACITOR	1nF	JUMANC CAR	ooos ceramic capacito
X4/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Resistor
X4/X4/U9	AD7984BRMZ		unknown MSOP10	ADC
X4/X4/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X4/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r				
X4/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
Y4/Y4/D10		2 001-	19 0600	Pogiator
X4/X4/R10 X4/X4/R12	RESISTOR RESISTOR	3.00k 3.00k	1% 0603 1% 0603	Resistor Resistor
X4/X4/R12 X4/X4/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X4/X4/C4	CAPACITOR	100pF	5% NPO Vitreous	
r		<b>-</b>		301 am 20 0 ap a 0 1 0 0
X4/X4/R2	RESISTOR	2.00k	1% 0603	Resistor
X4/X4/R9	RESISTOR	3.00k	1% 0603	Resistor
Markara day May 40				

May 13, 15 16:04		Vid	eo.bom.txt		Page 8/42
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
X4/X3/C25 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/R20	RESISTOR	1	1/4W 1206	Resisto	
X4/X3/C23 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X4/X3/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
X4/X3/C14   r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x4/x3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X3/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x4/x2/p5	DEGE GEOD	г 11	10 1/1017	0.000	D i - t
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
r X4/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r x4/x2/D22	DHATAMAD	220	10. 1 /10***	0.603	Dani at as
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

May 13, 15 16:04		Vide	eo.bom.txt	F	Page 9/42
X4/X3/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp	
X4/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor	
X4/X3/C16	CAPACITOR	1uF	10WVDC X7R		capacito
r					out me
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/U12	MAX4594DCKR		unknown SC70	SPST analog swit	
X4/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
X4/X3/R38	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog swit	ch
X4/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r   X4/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog swit	ch
X4/X3/R25	RESISTOR	1.00Meg		Resistor	
X4/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor	
X4/X3/R15	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
r x4/x2/D4	DHATAMAD	2 001-	10. 000	Danista	
X4/X3/R4	RESISTOR	3.00k	1% 0603 50WVDC COG	Resistor	aanaai + a
X4/X3/C20 r	CAPACITOR	1nF	SUMADO COG	0603 Ceramic	capacito
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		capacito
r					20.1
X4/X3/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic	capacito
X4/X3/R10	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/R12	RESISTOR	3.00k	1% 0603	Resistor	
X4/X3/U7	MAX4594DCKR	_	unknown SC70	SPST analog swit	ch
X4/X3/C4	CAPACITOR	100pF	5% NPO Vitreous		capacito
r		-			_
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 capacito	r
X4/X2/R27	RESISTOR	44.2k	1% 1/10W	0603 Resistor	
X4/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ceramic	capacito
r X4/X2/C24	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic	capacito
Y4/Y2/D20	DEGLOSO	2 011-	10, 1/101.7	0603	
X4/X2/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor	
X4/X2/R6	RESISTOR	1	1% 1/10W	0603 Resistor	
X4/X2/C29 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
X4/X2/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Tantalum	capacit
or	_ 0			_ , Idiica Idii	010010
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		capacito
r X4/X2/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic	capacito
Mada and Marida		J • ± α1	1011 VDC 21/10	- CELAMIC	00/00

May 13, 15 16:04		Vide	eo.bom.txt		Page 10/42
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		TOWVDC X/R	0003	Ceramic Capacito
X4/X2/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X4/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X4/X2/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CHILICITOR	0.141	IOWVDC 11710	0005	ceramic capacito
X4/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X2/Q2	MMBFJ309		unknown SOT23	n-channe	
X4/X2/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X2/R41	RESISTOR	301k	1% 0603	Resisto:	
X4/X2/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	=
X4/X2/U5 X4/X2/U4	ADA4805-1AKSZ ADA4805-1AKSZ		unknown SC70-6 unknown SC70-6	Fast opa	
X4/X2/04 X4/X2/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X4/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r					_
X4/X2/C4a r	CAPACITOR	30pF	5% NPO Vitreous		Ceramic capacito
X4/X2/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X4/X2/U12	MAX4594DCKR		unknown SC70		alog switch
X4/X2/C17 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X4/X2/U11	MAX4594DCKR		unknown SC70		alog switch
X4/X2/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
x4/x2/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X4/X2/R25	RESISTOR	1.00Meg		Resisto	
00/00				1001000	

May 13, 15 16:04		Vide	o.bom.	txt		Page 11/42
X4/X2/R19	RESISTOR	62	5% 0.15	5W	0805	Resistor
X4/X2/R15	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/C12	CAPACITOR	0.1uF	16WVDC		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	) W	0603	Resistor
X4/X2/U9	AD7984BRMZ	unknown			ADC	11001001
X4/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X4/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r	C111 11C1 1 OIC	DIVI	ZJWVDC	22 / 10	0005	ceramic capacito
X4/X2/C19	CAPACITOR	2pF	25WVDC	X7R	0603	Ceramic capacito
r	C111 11C1 1 OIC	ZPI	ZJWVDC	22 / 10	0005	ceramic capacito
X4/X2/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X4/X2/R10 X4/X2/R12	RESISTOR	3.00k	1% 1%	0603	Resisto	
X4/X2/R12 X4/X2/U7	MAX4594DCKR	unknown				alog switch
				Vitreous		
X4/X2/C4 r	CAPACITOR	100pF	DAM &C	vicieous	0505	Ceramic capacito
Y   X4/X2/R2	RESISTOR	2.00k	1%	0603	Resisto	r.
X4/X2/R9	RESISTOR	3.00k	1%	0603	Resisto	
X4/X2/R8	RESISTOR	0	1%	0603	Resisto	
X4/X2/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X4/X1/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X4/X1/C3	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						
X4/X1/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r						
X4/X1/R28	RESISTOR	3.01k	1% 1/10		0603	Resistor
X4/X1/R6	RESISTOR	1	1% 1/10		0603	Resistor
X4/X1/C29	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X4/X1/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or						
X4/X1/R39	RESISTOR	15.0k	1% 1/10	) W	0603	Resistor
X4/X1/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X4/X1/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						
X4/X1/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X4/X1/R33	RESISTOR	330	1% 1/10	W	0603	Resistor
X4/X1/R20	RESISTOR	1	1/4W	1206	Resisto	r
X4/X1/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						-
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						-
X4/X1/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X4/X1/R18	RESISTOR	5.11	1% 1/10	W	0603	Resistor
X4/X1/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r		, <del></del>				00.500
X4/X1/R17	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X4/X1/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	O111 11O 1 1 O10	0 . I ur	TOW VDC	11/10	5555	capacito
Madaaadaa Maada						04/00

May 13, 15 16:04		Vide	eo.bom.txt		Page 12/42
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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/C7 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X4/X1/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X1/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X4/X1/Q2	MMBFJ309		unknown SOT23	n-chann	
X4/X1/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/R41	RESISTOR	301k	1% 0603	Resisto	
X4/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X4/X1/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X4/X1/C16   r	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
X4/X1/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X4/X1/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	
X4/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X4/X1/C17   r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	
X4/X1/U11	MAX4594DCKR		unknown SC70	SPST an	alog switch
X4/X1/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/U3	MAX4594DCKR		unknown SC70		alog switch
X4/X1/R25	RESISTOR	1.00Meg		Resisto	
X4/X1/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X4/X1/R15	RESISTOR	3.00k	1% 0603	Resisto	
X4/X1/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X4/X1/R4	RESISTOR	3.00k	1% 0603	Resisto	
X4/X1/C20 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X4/X1/C21 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
X4/X1/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X4/X1/U9	AD7984BRMZ		unknown MSOP10	ADC	
X4/X1/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X4/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
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	
20/00		- : <del></del>		1001000	

May 13,	15 16:04			Vide	o.bom.	txt		Page 13/42
X4/X1/U7		MAX4594I	OCKR.	unknown	unknowr	n SC70	SPST ana	alog switch
X4/X1/C4		CAPACITO		100pF				Ceramic capacito
X4/X1/R2	2	RESISTOR	2	2.00k	1%	0603	Resistor	2
X4/X1/R9	9	RESISTOR	2	3.00k	1%	0603	Resistor	<u>c</u>
X4/X1/R8	3	RESISTOR	ξ	0	1%	0603	Resistor	£
X4/X1/C1		CAPACITO		220pF				capacitor
J3 r	Flexpri	nt	unknown	unknown	NK-2M2-	-051	Airborne	e 51 pin connecto
X3/C39	CAPACITO	OR	1uF	10WVDC 2	K7R	0805	Ceramic	capacitor
X3/R51	RESISTOR	ર	330	5% 0.15V	<b>V</b>	0805	Resistor	<u>-</u>
X3/R53	RESISTOR	ર	3.74k	1% 1/10V	<b>V</b>	0603	Resistor	<u>-</u>
X3/R52	RESISTOR	3	3.74k	1% 1/10V	<b>V</b>	0603	Resistor	
X3/C38	CAPACITO	OR	0.1uF	16WVDC X		0603	Ceramic	capacitor
X3/C37	CAPACITO	OR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/U10	MAX308CS	SE+	unknown	unknown	S016	8 input	analog n	nux
· ·	CAPACITO		22nF	50WVDC 2		0603	Ceramic	capacitor
X3/U9	AD5328	unknown	unknown	TSSOP16	Octal I	DAC		
	CAPACITO		1uF	10WVDC 2	K7R	0805	Ceramic	capacitor
X3/R48	RESISTOR	ર	330	5% 0.15W	V	0805	Resistor	
X3/R50	RESISTOR	3	3.74k	1% 1/10V	V	0603	Resistor	<u> </u>
X3/R49	RESISTO		3.74k	1% 1/100		0603	Resistor	2
X3/C34	CAPACITO	OR	0.1uF	16WVDC 2	K7R	0603	Ceramic	capacitor
X3/C33	CAPACITO	OR	22nF	50WVDC 2	K7R	0603		capacitor
X3/U8	MAX308CS		unknown	unknown			analog n	
	CAPACITO	OR	22nF	50WVDC 2	K7R	0603		capacitor
X3/U7	AD5328	unknown	unknown	TSSOP16	Octal I	DAC		_
	CAPACITO		0.1uF	25WVDC 2		0603	Ceramic	capacitor
X3/L4	EXC-3BB			unknown	0603	EMI chir		-
	CAPACITO		22nF	50WVDC 2		0603		capacitor
X3/L3	EXC-3BB		unknown	unknown		EMI chir		-
X3/C29	CAPACITO	OR	22nF	50WVDC 2	K7R	0603	Ceramic	capacitor
X3/L2	EXC-3BB	L02H	unknown	unknown	0603	EMI chir		_
X3/L1	EXC-3BB	L02H	unknown	unknown	0603	EMI chi		
	CAPACITO		22nF	50WVDC 2		0603		capacitor
X3/X6/R1	L4	RESISTOR	2	301k	1%	0603	Resistor	_
X3/X6/R1	L5	RESISTOR	}	301k	1%	0603	Resistor	2
X3/X6/U1		DUAL_OPA		LT2078A		N/A	S08	unknown
X3/X6/R1		RESISTOR		1.00Meg		0603	Resistor	2
X3/X6/R8		RESISTOR		100k	1%	0603	Resistor	2
X3/X6/R9		RESISTOR		300k	1%	0603	Resistor	
X3/X6/R1		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R1		RESISTOR		301k	1%	0603	Resistor	
X3/X6/C4		CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r								_
X3/X6/R1	L2	RESISTOR	2	470	1% 1/10	)W	0603	Resistor
X3/X6/C5	5	CAPACITO	)R	47nF	50WVDC	X7R	0805	Ceramic capacito
r								_
X3/X6/C3	3	CAPACITO	)R	22nF	50WVDC	X7R	0603	Ceramic capacito
X3/X6/R6	5	RESISTOR	2	49.9	1% 1/10	) W	0603	Resistor
X3/X6/R7		RESISTOR		1.00Meg	1%	0603	Resistor	
X3/X6/R1		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R2		RESISTOR		300k	1%	0603	Resistor	
X3/X6/R3		RESISTOR		100k	1%	0603	Resistor	
X3/X6/R4		RESISTOR		301k	1%	0603	Resistor	
X3/X6/C1		CAPACITO		330pF	50WVDC		0603	Ceramic capacito
r				<u>.</u>	•			<u>-</u>
X3/X6/R5	5	RESISTOR	₹	470	1% 1/10	)W	0603	Resistor

May 13,	15 16:04			Vide	eo.bom.	txt		Pa	age 14/42
X3/X6/C	2	CAPACIT	OR	47nF	50WVDC	X7R	0805	Ceramic	capacito
x3/X5/R3 X3/X5/R3		RESISTOR		301k 301k	1% 1%	0603 0603	Resisto		
X3/X5/U X3/X5/R		DUAL_OPERESISTO		LT2078A		N/A 0603	SO8 Resistor	unknown	
X3/X5/R	8	RESISTO	3	100k	1%	0603	Resisto	r	
X3/X5/R X3/X5/R	10	RESISTOR RESISTOR	2	300k 100k	1% 1%	0603 0603	Resistor Resistor	r	
X3/X5/R3 X3/X5/C4		RESISTO CAPACITO		301k 330pF	1% 50WVDC	0603 X7R	Resistor 0603		capacito
X3/X5/R3 X3/X5/C3		RESISTOR CAPACITO		470 47nF	1% 1/10 50WVDC		0603 0805	Resistor Ceramic	capacito
x3/X5/C	3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R		RESISTO		49.9 1.00Meg	1% 1/10		0603 Resisto	Resisto	î
X3/X5/R X3/X5/R		RESISTOR		100k	1%	0603	Resisto		
X3/X5/R X3/X5/R		RESISTOR RESISTOR		300k 100k	1% 1%	0603 0603	Resistor Resistor		
X3/X5/R		RESISTO		301k	1%	0603	Resisto		
X3/X5/C	1	CAPACITO	OR	330pF	50WVDC	X7R	0603	Ceramic	capacito
X3/X5/R X3/X5/C		RESISTO CAPACITO		470 47nF	1% 1/10 50WVDC		0603 0805	Resistor Ceramic	capacito
X3/R62	RESISTO		49.9	1% 1/10		0603	Resisto	r	
X3/R57 X3/R54	RESISTOR RESISTOR		301k 0	1% 1%	0603 0603	Resisto Resisto			
X3/R47	RESISTO		3.01Meg		0603	Resisto			
X3/R46	RESISTO		37.4k 22nF	1% 100WVDC	0603	Resisto		aanaai ta	270
X3/C27 X3/R45	CAPACITO RESISTO		40.2k	100WVDC	0603	Resisto		capacito	)r
X3/C26	CAPACIT	OR	33nF	25WVDC				capacito	or
X3/R44 X3/R43	RESISTOR		604k 10k	1% 1%	0603 0603	Resisto Resisto			
X3/R43 X3/C25	CAPACIT		22nF	100WVDC		0805		capacito	or
X3/R42	RESISTO	R	10k	1%	0603	Resisto	r	-	
X3/Q2	PNP_TRAI		PMBTA92			unknown			
X3/R41 X3/R40	RESISTOR RESISTOR		200k 10k	1% 1%	0603 0603	Resisto Resisto			
X3/R40 X3/Q1	PNP TRAI			unknown		unknown			
X3/C24	CAPACIT		0.1uF	25WVDC		0603		capacito	or
X3/R39 X3/U4	X3/R39 RESISTOR		133k LM6142A	1% ™	0603 N/A	Resisto		dual ope	erational
	ier, SO8	. 11 11			11/11		30110110	addi opt	2140101141
X3/R38	RESISTO		604k	1%	0603	Resisto			
X3/R37	RESISTO		392k	1%	0603	Resisto			
X3/R36 X3/C23	RESISTO		200k 3.3nF	1% 50WVDC	0603	Resisto		capacito	
X3/C23 X3/R35	CAPACITO RESISTO		3.311F 470	1% 1/10		0603	Resistor		) L
X3/K33 X3/C22	CAPACIT		0.22uF	25WVDC		1206		capacito	or
X3/U3	DUAL_OP		LT2078A		N/A	S08	unknown		
X3/C21	CAPACIT	OR	0.22uF	25WVDC		1206		capacito	
X3/C20	CAPACIT		0.1uF	25WVDC		0603		capacito	or
X3/R34	RESISTO		44.2k	1% 1%	0603	Resisto			
X3/R33	RESISTO	K.	604k	1%	0603	Resisto	Ľ		

May 13	, 15 16:04		Video.bom	.txt	Page 15/42
X3/R32	RESISTOR	56.2k	1% 0603	Resistor	
X3/R31	RESISTOR	200k	1% 0603	Resistor	
X3/C19	CAPACITOR	3.3nF	50WVDC X7R	0603 Ceramic	capacitor
X3/R30	RESISTOR	470	1% 1/10W	0603 Resisto	
X3/R29	RESISTOR	44.2k	1% 0603	Resistor	
X3/R28	RESISTOR	604k	1% 0603	Resistor	
X3/R27	RESISTOR	56.2k	1% 0603	Resistor	
X3/R26	RESISTOR	200k	1% 0603	Resistor	
X3/C18	CAPACITOR	3.3nF	50WVDC X7R		capacitor
X3/R25	RESISTOR	470	1% 1/10W	0603 Resisto	
X3/C17	CAPACITOR	0.22uF	25WVDC X7R		capacitor
X3/U2	DUAL_OPAMP	LT2078A		SO8 unknown	
X3/C15	CAPACITOR	0.1uF	25WVDC X7R		capacitor
X3/C16	CAPACITOR		50WVDC X7R		capacitor
X3/R24	RESISTOR	54.9k	1% 0603	Resistor	
X3/R23	RESISTOR	82.5k	1% 0603	Resistor	
X3/R22 X3/R21	RESISTOR RESISTOR	604k 953k	1% 0603 1% 0603	Resistor Resistor	
· ·		953k 200k	1% 0603 1% 0603		
X3/R20 X3/C14	RESISTOR CAPACITOR	200k 3.3nF	50WVDC X7R	Resistor 0603 Ceramic	capacitor
X3/C14 X3/R19	RESISTOR	470	1% 1/10W	0603 Resisto	
X3/K13	CAPACITOR	0.22uF	25WVDC X7R		capacitor
X3/C13 X3/R18	RESISTOR	54.9k	1% 0603	Resistor	Capacitoi
X3/R10 X3/R17	RESISTOR	82.5k	1% 0603	Resistor	
X3/R17 X3/R16	RESISTOR	604k	1% 0603	Resistor	
X3/R15	RESISTOR	953k	1% 0603	Resistor	
X3/R13	RESISTOR	200k	1% 0603	Resistor	
X3/C12	CAPACITOR	3.3nF	50WVDC X7R		capacitor
X3/R13	RESISTOR	470	1% 1/10W	0603 Resisto	
X3/C11	CAPACITOR	0.22uF	25WVDC X7R		capacitor
X3/R60	RESISTOR	49.9	1% 1/10W	0603 Resisto	
X3/R61	RESISTOR	49.9	1% 1/10W	0603 Resisto	
X3/C40	CAPACITOR	0.1uF	25WVDC X7R		capacitor
X3/U11	DUAL_OPAMP	LM6142A			dual operational
	ier, SO8			5	or
X3/U1	DUAL OPAMP	LT2078A	IS8 N/A	SO8 unknown	
X3/R12	RESISTOR	24.9k	1% 1/10W	0603 Resisto	r
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	Resistor	
X3/R10	RESISTOR	82.5k	1% 0603	Resistor	
X3/R9	RESISTOR	604k	1% 0603	Resistor	
X3/R8	RESISTOR	953k	1% 0603	Resistor	
X3/R7	RESISTOR	200k	1% 0603	Resistor	
X3/C7	CAPACITOR	3.3nF	50WVDC X7R		capacitor
X3/R6	RESISTOR	470	1% 1/10W	0603 Resisto	
X3/C6	CAPACITOR	0.22uF	25WVDC X7R		capacitor
X3/U5	DUAL_OPAMP	LM6142A	IM N/A	SO8 generic	dual operational
	ier, SO8			- 1	
X3/R5	RESISTOR	4.75k	1% 1/10W	0603 Resisto	
X3/C3	CAPACITOR	620pF	10WVDC X7R		capacitor
X3/R4	RESISTOR	14.7k	1% 1/10W	0603 Resisto	
X3/R3	RESISTOR	1	1% 1/10W	0603 Resisto	
X3/C2	CAPACITOR	1uF	10WVDC X7R		capacitor
X3/C5	CAPACITOR	1uF	10WVDC X7R		capacitor
X3/R2	RESISTOR	4.99	1% 1/10W	0603 Resisto	
X3/C4	CAPACITOR	1uF	10WVDC X7R		capacitor
X3/R1	RESISTOR	49.9	1% 1/10W	0603 Resisto	Т

May 13, 15 16:04		Vide	o.bom.	txt		Page 16/42
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	1% 1/10	W	0603	Resistor
X3/X4/C3	CAPACITOR	4.7uF	10WVDC	X7R	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	W	0603	Resistor
X3/X4/R40	RESISTOR	3.01k	1% 1/10	W	0603	Resistor
X3/X4/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
X3/X4/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/R33	RESISTOR	330	1% 1/10 1/4W		0603	Resistor
X3/X4/R20	RESISTOR	1	•	1206	Resisto	
X3/X4/C23 r	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X3/X4/R26	RESISTOR	1.05k	1% 1/10	W	0603	Resistor
X3/X4/C10 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X3/X4/U10 rational amplif	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
X3/X4/C14	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X3/X4/R18	RESISTOR	5.11	1% 1/10	W	0603	Resistor
X3/X4/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r   X3/X4/R17	RESISTOR	5.11	1% 1/10	W	0603	Resistor
X3/X4/C11	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/R16	RESISTOR	5.11	1% 1/10	1747	0603	Resistor
X3/X4/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r		- 11	10 1/10		0.500	
X3/X4/R5 X3/X4/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10 16WVDC		0603 0603	Resistor Ceramic capacito
r   X3/X4/R21	RESISTOR	330	1% 1/10	)W	0603	Resistor
X3/X4/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r v2/v4/p22		220	10 1/10	1747	0602	Dogiator
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-chann	
X3/X4/C22 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
x3/x4/R13	RESISTOR	46.4	1% 1/10	W	0603	Resistor
X3/X4/R41	RESISTOR	301k	1% 1/10	0603	Resisto	
X3/X4/U6	ADA4805-1AKSZ		unknown		Fast op	
X3/X4/U8	ADA4805-1AKSZ		unknown		Fast op	
X3/X4/U5	ADA4805-1AKSZ		unknown		Fast op	

May 13, 15 16:04		Vide	eo.bom.txt		Page 17/42
X3/X4/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opamp	0
X3/X4/R24	RESISTOR	20	1% 1/10W		esistor
X3/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805 Ce	eramic capacito
r					-
X3/X4/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ce	eramic capacito
x3/x4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ce	eramic capacito
r		0 001	1.0		
X3/X4/R11	RESISTOR	2.00k	1% 0603	Resistor	1. 1.
X3/X4/U12	MAX4594DCKR		unknown SC70	SPST analo	
X3/X4/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ce	eramic capacito
X3/X4/R38	RESISTOR	3.00k	1% 0603	Resistor	
x3/x4/U11	MAX4594DCKR	unknown	unknown SC70	SPST analo	og switch
X3/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ce	eramic capacito
r X3/X4/U3	MAX4594DCKR	unknown	unknown SC70	SPST analo	og switch
X3/X4/R25	RESISTOR	1.00Meg		Resistor	
X3/X4/R19	RESISTOR	62	5% 0.15W	0805 Re	esistor
X3/X4/R15	RESISTOR	3.00k	1% 0603	Resistor	
X3/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ce	eramic capacito
r   X3/X4/R4	RESISTOR	3.00k	1% 0603	Resistor	
X3/X4/R4 X3/X4/C20	CAPACITOR	1nF	50WVDC COG		eramic capacito
x3/x4/C20 r	CAPACITOR	TIIF	SOMADC COG		-
X3/X4/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ce	eramic capacito
X3/X4/R14	RESISTOR	46.4	1% 1/10W	0603 Re	esistor
X3/X4/U9	AD7984BRMZ		unknown MSOP10	ADC	ESISCOI
X3/X4/R7	RESISTOR	DNP	1% 1/10W		esistor
X3/X4/C18	CAPACITOR	DNP	25WVDC X7R		eramic capacito
r	CHILICATOR	DIVI	23,110		cramic capacito
X3/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ce	eramic capacito
r X3/X4/R10	RESISTOR	3.00k	1% 0603	Resistor	
X3/X4/R10 X3/X4/R12	RESISTOR	3.00k	1% 0603	Resistor	
X3/X4/U7	MAX4594DCKR	_	unknown SC70	SPST analo	og switch
X3/X4/C4	CAPACITOR	100pF	5% NPO Vitreous		eramic capacito
r	CALACITOR	TOOPI	J. NIO VICICOUS	0303	cramic capacito
X3/X4/R2	RESISTOR	2.00k	1% 0603	Resistor	
X3/X4/R9	RESISTOR	3.00k	1% 0603	Resistor	
X3/X4/R8	RESISTOR	0	1% 0603	Resistor	
X3/X4/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic ca	apacitor
X3/X3/R27	RESISTOR	44.2k	1% 1/10W		esistor
X3/X3/C3	CAPACITOR	4.7uF	10WVDC X7R	1812 Ce	eramic capacito
r X3/X3/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603 Ce	eramic capacito
X3/X3/R28	RESISTOR	3.01k	1% 1/10W	0603 Re	esistor
X3/X3/R6	RESISTOR	3.01K	1% 1/10W 1% 1/10W		esistor
X3/X3/R0 X3/X3/C29	CAPACITOR	0.1uF	16WVDC X7R		eramic capacito
r	CAFACTION	o. rar	TOWADC VIV	0003	cramic capacito
X3/X3/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Та	antalum capacit
or				<u> </u>	
X3/X3/R39	RESISTOR	15.0k	1% 1/10W	0603 Re	esistor
X3/X3/R40	RESISTOR	3.01k	1% 1/10W		esistor
X3/X3/C28	CAPACITOR	4.7uF	10WVDC X7R		eramic capacito
r X3/X3/C25	CAPACITOR	0.1uF	16WVDC X7R	0603 Ce	eramic capacito
)					27/00

May 13, 15 16:04		Video.bom.txt				
r					Page 18/42	
X3/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor	
X3/X3/R20	RESISTOR	1	1/4W 1206	Resisto:		
X3/X3/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor	
X3/X3/C10 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/U10 rational amplif	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope	
X3/X3/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor	
X3/X3/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
r   X3/X3/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor	
X3/X3/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
r  X3/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor	
X3/X3/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor	
X3/X3/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor	
X3/X3/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor	
X3/X3/C7	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-chann		
X3/X3/C22 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor	
X3/X3/R41	RESISTOR	301k	1% 0603	Resisto:	r	
X3/X3/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp	
X3/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op		
X3/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op		
X3/X3/U4	ADA4805-1AKSZ		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 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R11	RESISTOR	2.00k	1% 0603	Resisto	r	
X3/X3/U12	MAX4594DCKR		unknown SC70		alog switch	
X3/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/R38	RESISTOR	3.00k	1% 0603	Resisto	r	
X3/X3/U11	MAX4594DCKR		unknown SC70		alog switch	
X3/X3/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito	
X3/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch	
X3/X3/R25	RESISTOR	1.00Meg		Resisto		
20/02				10/-		

May 13, 15 16:04		Vide	eo.bom.txt		Page 19/42
X3/X3/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X3/X3/R15	RESISTOR	3.00k	1% 0603	Resistor	
X3/X3/K15 X3/X3/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	U.Iur	IOWVDC X/R	0003	Ceramic Capacito
X3/X3/R4	RESISTOR	3.00k	1% 0603	Resistor	<u></u>
X3/X3/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	CAPACITOR	TIIL	JOWADC COG	0003	ceramic capacito
X3/X3/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r	CAPACITOR	TIIL	JOWADC COG	0003	Ceramic Capacito
X3/X3/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X3/U9	AD7984BRMZ		unknown MSOP10	ADC	Resiscoi
X3/X3/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X3/X3/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	DNP	ZJWVDC X/K	0003	Ceramic Capacito
X3/X3/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r	CAFACTION	ZPI	ZJWVDC X/IC	0003	Ceramic Capacito
X3/X3/R10	RESISTOR	3.00k	1% 0603	Resistor	^
X3/X3/R10 X3/X3/R12	RESISTOR	3.00k	1% 0603	Resistor	
X3/X3/K12 X3/X3/U7	MAX4594DCKR		unknown SC70		alog switch
X3/X3/C4	CAPACITOR	100pF	5% NPO Vitreous		Ceramic capacito
r	O111 11O 1 1 O10	T00Pr	JU IVI O VICICOUS	000	ccramic capacito
X3/X3/R2	RESISTOR	2.00k	1% 0603	Resistor	
X3/X3/R9	RESISTOR	3.00k	1% 0603	Resistor	
X3/X3/R8	RESISTOR	0	1% 0603	Resistor	
X3/X3/C1	CAPACITOR	220pF	50WVDC 0805		capacitor
X3/X3/C1 X3/X2/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X3/X2/C3	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
r	CAFACTION	4. /ur	IOWVDC A/K	1012	Ceramic Capacito
x3/x2/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X3/X2/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X3/X2/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X2/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
or					
X3/X2/R39	RESISTOR	15.0k	1% 1/10W	0603	Resistor
X3/X2/R40	RESISTOR	3.01k	1% 1/10W	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% 1/10W	0603	Resistor
X3/X2/R20	RESISTOR	1	1/4W 1206	Resistor	
X3/X2/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X3/X2/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif					
X3/X2/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
Maria a a day May 40					20/00

May 13, 15 16:04		Vide	o.bom.txt		Page 20/42
X3/X2/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	C/11/1C1101C	o.iai	IOWVDC 21710	0005	ceramic capacito
X3/X2/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X2/K3 X3/X2/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
	CAPACITOR	U.lur	TOWVDC X/R	0003	Ceramic Capacito
r x2/x2/D21	DEGICEOD	220	1% 1/10W	0603	Resistor
X3/X2/R21	RESISTOR	330	•	0603	
X3/X2/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	D D G T G D O D	220	10 1/10**	0.600	- · ·
X3/X2/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X2/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X2/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X3/X2/Q2	MMBFJ309		unknown SOT23	n-channe	
X3/X2/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X3/X2/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X2/R41	RESISTOR	301k	1% 0603	Resisto:	
X3/X2/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opa	
X3/X2/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opa	amp
X3/X2/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X3/X2/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast opa	amp
X3/X2/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X3/X2/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r					
X3/X2/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r					
X3/X2/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X3/X2/U12	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/R38	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/U11	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X2/U3	MAX4594DCKR	unknown	unknown SC70	SPST and	alog switch
X3/X2/R25	RESISTOR	1.00Meg	1% 0603	Resisto	r
X3/X2/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X3/X2/R15	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					-
X3/X2/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r					-
X3/X2/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r					-
X3/X2/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X3/X2/U9	AD7984BRMZ		unknown MSOP10	ADC	
X3/X2/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X3/X2/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r			- <del>-</del>		1 1 1 2 1 3 2 3 3
X3/X2/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r	= <del>= = ==</del>	<u>r</u> -			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
X3/X2/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X3/X2/R12	RESISTOR	3.00k	1% 0603	Resisto	
40/63					dnesday May 13, 2015

		\	a la ava test		5 21/12
May 13, 15 16:04			eo.bom.txt		Page 21/42
X3/X2/U7	MAX4594DCKR		unknown SC70		alog switch
X3/X2/C4	CAPACITOR	100pF	5% NPO Vitreous	0505	Ceramic capacito
r   X3/X2/R2	RESISTOR	2.00k	1% 0603	Resisto	r
X3/X2/R9	RESISTOR	3.00k	1% 0603	Resisto	
X3/X2/R8	RESISTOR	0	1% 0603	Resisto	
X3/X2/C1	CAPACITOR	220pF	50WVDC 0805	Ceramic	capacitor
X3/X1/R27	RESISTOR	44.2k	1% 1/10W	0603	Resistor
X3/X1/C3 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X3/X1/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R28	RESISTOR	3.01k	1% 1/10W	0603	Resistor
X3/X1/R6	RESISTOR	1	1% 1/10W	0603	Resistor
X3/X1/C29	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X3/X1/C30	POLARIZED_CAPAC	TTOR	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 r	CAPACITOR	4.7uF	10WVDC X7R	1812	Ceramic capacito
X3/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/R20	RESISTOR	1	1/4W 1206	Resisto	r
X3/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X3/X1/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X3/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif					
X3/X1/C14 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C11 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X3/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X3/X1/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X3/X1/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X3/X1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X3/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r v2/v1/p22	DECTOMOD	220	19 1/10ta	0602	Pogiator
X3/X1/R23 X3/X1/R42	RESISTOR RESISTOR	330 4.32k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X3/X1/R42 X3/X1/R1	RESISTOR RESISTOR	4.32k 4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X3/X1/R1 X3/X1/Q2	MMBFJ309		unknown SOT23	n-channe	
X3/X1/Q2 X3/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r			J = 0		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

May 13, 15 16:04		Vide	o.bom.txt	Page 22/42
X3/X1/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor
X3/X1/R41	RESISTOR		1% 0603	Resistor
X3/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X3/X1/04 X3/X1/R24	RESISTOR		1% 1/10W	0603 Resistor
X3/X1/K24 X3/X1/C16	CAPACITOR		10WVDC X7R	0805 Ceramic capacito
r	CAPACITOR	lur	IUWVDC A/R	0005 Ceramic Capacito
X3/X1/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X3/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X3/X1/R11	RESISTOR	2.00k	1% 0603	Resistor
X3/X1/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X1/C17	CAPACITOR		16WVDC X7R	0603 Ceramic capacito
r	CHILICITOR	0.141	TOWVDC 21/10	ceramie capacico
X3/X1/R38	RESISTOR	3.00k	1% 0603	Resistor
X3/X1/U11	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X3/X1/C6	CAPACITOR		16WVDC X7R	0603 Ceramic capacito
X3/X1/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X3/X1/R25	RESISTOR	1.00Meg	1% 0603	Resistor
X3/X1/R19	RESISTOR		5% 0.15W	0805 Resistor
X3/X1/R15	RESISTOR		1% 0603	Resistor
X3/X1/C12	CAPACITOR		16WVDC X7R	0603 Ceramic capacito
r   X3/X1/R4	RESISTOR	3.00k	1% 0603	Resistor
X3/X1/C20	CAPACITOR		50WVDC COG	0603 Ceramic capacito
r				-
X3/X1/C21 r	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
X3/X1/R14	RESISTOR		1% 1/10W	0603 Resistor
X3/X1/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC
X3/X1/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X3/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
x3/X1/C19 r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X3/X1/R10	RESISTOR	3.00k	1% 0603	Resistor
X3/X1/R12	RESISTOR		1% 0603	Resistor
X3/X1/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X3/X1/C4	CAPACITOR		5% NPO Vitreous	
r	CALACTION	T005r	20 MEO VICEGUS	ceramic capacito
x3/x1/R2	RESISTOR	2.00k	1% 0603	Resistor
X3/X1/R2 X3/X1/R9	RESISTOR		1% 0603	Resistor
X3/X1/R8	RESISTOR		1% 0603	Resistor
X3/X1/C1	CAPACITOR		50WVDC 0805	Ceramic capacitor
J2 Flexpri			NK-2M2-051	Airborne 51 pin connecto
r riexpri	LIIC UIIKIIOWI	. dilanowii	INIC ZI'IZ UJI	TITIDOTIIC OI PIII COIIIIECCO
X2/C39 CAPACIT		10WVDC X	.7R 0805	Ceramic capacitor
X2/R51 RESISTO	OR 330	5% 0.15W	0805	Resistor
X2/R53 RESISTO		1% 1/10W		Resistor
X2/R52 RESISTO		1% 1/10W		Resistor
X2/C38 CAPACIT		16WVDC X		Ceramic capacitor
X2/C37 CAPACIT		50WVDC X		Ceramic capacitor
X2/U10 MAX3080		unknown		analog mux
X2/C36 CAPACIT		50WVDC X		Ceramic capacitor
X2/U9 AD5328				CCIAMIC CAPACITOI
110000	AIIIIII WII AIIIII WI	1220110	22041 2110	

May 13, 15	16:04		Vide	o.bom	.txt		Page 23/42
X2/C35 CA	APACITOR	1uF	10WVDC 2		0805	Ceramic	capacitor
	ESISTOR	330	5% 0.15V		0805	Resisto	_
	ESISTOR	3.74k	1% 1/10V		0603	Resistor	
	ESISTOR	3.74k	1% 1/10V		0603	Resisto	
	APACITOR	0.1uF	16WVDC 2		0603		capacitor
	APACITOR	22nF	50WVDC 2		0603		capacitor
	AX308CSE+		unknown			analog r	
	APACITOR	22nF	50WVDC 2		0603		capacitor
		unknown					
	APACITOR	0.1uF	25WVDC 2	K7R	0603	Ceramic	capacitor
X2/L4 EX	KC-3BB102H	unknown	unknown	0603	EMI chi		-
X2/C30 CA	APACITOR	22nF	50WVDC 2	ζ7R	0603	Ceramic	capacitor
X2/L3 EX	KC-3BB102H	unknown	unknown	0603	EMI chi	ρ	
X2/C29 CA	APACITOR	22nF	50WVDC 2	K7R	0603		capacitor
	KC-3BB102H		unknown		EMI chi	-	
	KC-3BB102H		unknown		EMI chi		
	APACITOR	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	Resistor	
X2/X6/R8	RESISTO		100k	1%	0603	Resisto	
X2/X6/R9	RESISTO		300k	1%	0603	Resistor	
X2/X6/R10	RESISTO		100k	1%	0603	Resisto	
X2/X6/R11	RESISTO		301k	1%	0603	Resistor	
X2/X6/C4 r	CAPACIT	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R12	RESISTO:	R	470	1% 1/10	WC	0603	Resistor
X2/X6/C5	CAPACIT	OR	47nF	50WVDC	X7R	0805	Ceramic capacito
x2/x6/C3	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R6	RESISTO	R	49.9	1% 1/10	ΟW	0603	Resistor
X2/X6/R7	RESISTO	R	1.00Meg	1%	0603	Resisto	r
X2/X6/R1	RESISTO		100k	1%	0603	Resisto	
X2/X6/R2	RESISTO	R	300k	1%	0603	Resisto	r
X2/X6/R3	RESISTO		100k	1%	0603	Resisto	
X2/X6/R4	RESISTO		301k	1%	0603	Resisto	
X2/X6/C1 r	CAPACIT	OR	330pF	50WVDC	X7R	0603	Ceramic capacito
X2/X6/R5	RESISTO	R	470	1% 1/10	WC	0603	Resistor
X2/X6/C2	CAPACIT		47nF	50WVDC		0805	Ceramic capacito
r X2/X5/R14	RESISTO	D	301k	1%	0603	Resisto	r
X2/X5/R14 X2/X5/R15	RESISTO		301k 301k	1%	0603	Resisto	
X2/X5/K15 X2/X5/U1	DUAL_OP.		LT2078A		N/A	SO8	unknown
X2/X5/01 X2/X5/R13	RESISTO		1.00Meg		0603	Resisto	
X2/X5/R13 X2/X5/R8	RESISTO		1.00Meg	1%	0603	Resisto	
X2/X5/R0 X2/X5/R9	RESISTO		300k	1%	0603	Resisto	
X2/X5/R10	RESISTO		100k	1%	0603	Resisto	
X2/X5/R11	RESISTO		301k	1%	0603	Resistor	
X2/X5/C4	CAPACIT		330pF	50WVDC		0603	Ceramic capacito
r   X2/X5/R12	RESISTO	D	470	1% 1/10	าพา	0603	Resistor
X2/X5/R12 X2/X5/C5	CAPACIT		470 47nF	50WVDC		0805	Ceramic capacito
x2/x5/C5	CAPACII	OIC	-I / III'	J O W V D C	27 / 17	0000	Ceramic Capacito
x2/x5/C3 r	CAPACIT	OR	22nF	50WVDC	X7R	0603	Ceramic capacito
X2/X5/R6	RESISTO	R	49.9	1% 1/10	WC	0603	Resistor

May 13,	15 16:04		Vi	deo.bon	n.txt		Page 24/42
X2/X5/R5	7 RE	SISTOR	1.00M	eg 1%	0603	Resistor	:
X2/X5/R2		SISTOR	100k	1%	0603	Resistor	
X2/X5/R2		SISTOR	300k	1%	0603	Resistor	
X2/X5/R3		SISTOR	100k		0603	Resistor	
X2/X5/R4		SISTOR	301k		0603	Resistor	
X2/X5/C		APACITOR	330pF			0603	Ceramic capacito
r	L CA	AFACITOR	330PF	JOW VD	C X/K	0003	Ceramic Capacito
X2/X5/R5		SISTOR	470	1% 1/		0603	Resistor
X2/X5/C2	2 CA	APACITOR	47nF	50WVD	C X7R	0805	Ceramic capacito
r X2/R62	RESISTOR	49.9	1% 1/1	1 ∩ τ <sub>ν</sub> τ	0603	Resistor	_
		301k					-
	RESISTOR			0603	Resisto		
	RESISTOR	0	1%	0603	Resisto		
	RESISTOR		Meg 1%	0603	Resisto		
	RESISTOR	37.4		0603	Resisto		
	CAPACITOR	22nF		DC X7R	0805		capacitor
	RESISTOR	40.2		0603	Resisto		
	CAPACITOR	33nF			0603		capacitor
	RESISTOR	604k		0603	Resisto		
X2/R43	RESISTOR	10k		0603	Resisto		
X2/C25	CAPACITOR	22nF		DC X7R	0805		capacitor
X2/R42	RESISTOR	10k	1%	0603	Resisto	r	
X2/Q2	PNP_TRANSI	STOR PMBT	'A92 unkno	wn UB	unknown		
X2/R41	RESISTOR	200k	1%	0603	Resisto	r	
	RESISTOR	10k	1%	0603	Resisto	r	
X2/Q1	PNP_TRANSI		A92 unknov		unknown		
	CAPACITOR	0.10			0603		capacitor
X2/R39	RESISTOR	133k		0603	Resisto		33.5
X2/U4	DUAL_OPAMP		42AIM	N/A	S08		dual operational
	ier, SO8	шпо 1	12/11/1	14/11	500	generie	ddai operaeionai
X2/R38	RESISTOR	604k	1%	0603	Resisto	r	
	RESISTOR	392k		0603	Resisto		
	RESISTOR	200k		0603	Resisto		
1	CAPACITOR	3.3n			0603		capacitor
	RESISTOR	470	1% 1/		0603	Resistor	
X2/C22	CAPACITOR	0.22			1206		capacitor
X2/U3	DUAL_OPAMP		78AIS8	N/A	SO8	unknown	capacitoi
X2/C21	CAPACITOR	0.22			1206		capacitor
X2/C21 X2/C20					0603		capacitor
	CAPACITOR	0.1u 44.2		0603			Capacitoi
X2/R34	RESISTOR				Resisto		
X2/R33	RESISTOR	604k		0603	Resisto		
X2/R32	RESISTOR	56.2		0603	Resisto		
X2/R31	RESISTOR	200k		0603	Resisto		
X2/C19	CAPACITOR	3.3r			0603		capacitor
X2/R30	RESISTOR	470	1% 1/		0603	Resistor	
X2/R29	RESISTOR	44.2		0603	Resisto		
X2/R28	RESISTOR	604k		0603	Resisto		
X2/R27	RESISTOR	56.2		0603	Resisto		
X2/R26	RESISTOR	200k		0603	Resisto		
X2/C18	CAPACITOR	3.3r			0603		capacitor
X2/R25	RESISTOR	470	1% 1/		0603	Resistor	
X2/C17	CAPACITOR	0.22		C X7R	1206	Ceramic	capacitor
X2/U2	DUAL_OPAMP	LT20	78AIS8	N/A	S08	unknown	
X2/C15	CAPACITOR	0.10	ıF 25WVD	C X7R	0603	Ceramic	capacitor
X2/C16	CAPACITOR		7uF 50WVD	C X7R	0603		capacitor
X2/R24	RESISTOR	54.9		0603	Resisto		-
X2/R23	RESISTOR	82.5		0603	Resisto		
X2/R22	RESISTOR	604k		0603	Resisto		
X2/R21	RESISTOR	953k		0603	Resisto		
						_	

May 13,	15 16:04			Vide	eo.bom.	txt		Page 25/42
X2/R20	RESISTO	 R	200k	1%	0603	Resisto:	 r	<del>-</del>
	CAPACIT		3.3nF	50WVDC		0603		capacitor
	RESISTO		470	1% 1/10		0603	Resisto	
	CAPACIT		0.22uF	25WVDC		1206		capacitor
	RESISTO		54.9k	1%	0603	Resisto		
X2/R17	RESISTO		82.5k	1%	0603	Resisto		
	RESISTO		604k	1%	0603	Resisto		
	RESISTO	R	953k	1%	0603	Resisto:	r	
	RESISTO	R	200k	1%	0603	Resisto:	r	
X2/C12	CAPACITO	OR	3.3nF	50WVDC	X7R	0603	Ceramic	capacitor
X2/R13	RESISTO	?.	470	1% 1/10	W	0603	Resisto	
X2/C11	CAPACITO	OR	0.22uF	25WVDC	X7R	1206	Ceramic	capacitor
X2/R60	RESISTO	R	49.9	1% 1/10	W	0603	Resisto	r
X2/R61	RESISTO	R	49.9	1% 1/10		0603	Resisto	r
X2/C40	CAPACITO	OR	0.1uF	25WVDC	X7R	0603		capacitor
X2/U11	DUAL_OP	AMP	LM6142A	ĽΜ	N/A	S08	generic	dual operational
	ier, SO8							
X2/U1	DUAL_OP		LT2078A		N/A	SO8	unknown	
	RESISTO		24.9k	1% 1/10		0603	Resisto	
X2/C10	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/C9	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/C8	CAPACIT		0.1uF	25WVDC		0603		capacitor
X2/R11	RESISTO		54.9k	1%	0603	Resisto:		
X2/R10	RESISTO		82.5k	1%	0603	Resisto:		
X2/R9	RESISTO		604k	1%	0603	Resisto:		
X2/R8	RESISTO		953k	1%	0603	Resisto:		
X2/R7	RESISTO		200k	1%	0603	Resisto		
X2/C7	CAPACIT		3.3nF	50WVDC		0603		capacitor
X2/R6	RESISTO		470	1% 1/10		0603	Resisto	
X2/C6	CAPACITO		0.22uF	25WVDC		1206		capacitor
X2/U5	DUAL_OP	AMP	LM6142A	LM	N/A	S08	generic	dual operational
	ier, SO8		4 551	10 1 /10:		0.502	<b>.</b>	
X2/R5	RESISTO		4.75k	1% 1/10		0603	Resistor	
	CAPACITO		620pF	10WVDC		0805		capacitor
	RESISTO		14.7k	1% 1/10		0603	Resistor	
X2/R3	RESISTO		1	1% 1/10		0603	Resistor	
X2/C2	CAPACITO		luF	10WVDC 1		0805		capacitor
X2/C5 X2/R2	CAPACITO RESISTO		1uF 4.99	1% 1/10°		0805 0603	Resisto	capacitor
X2/K2 X2/C4	CAPACIT(		4.99 1uF	10WVDC		0805		capacitor
	RESISTO		49.9	1% 1/10°		0603	Resistor	
	REFEREN		REF43GS		w SO8	2.5V Re		L
	RESISTO		49.9	1% 1/10°		0603	Resisto	r
X2/X39 X2/X4/R2		RESISTOR		44.2k	₩ 1% 1/10		0603	Resistor
X2/X4/R2 X2/X4/C3		CAPACIT(		4.7uF	10WVDC		1812	Ceramic capacito
XZ/X4/C	_			1. / 41	T 0 11 1 D C	11/10	<b>-</b>	cciamic capacito
X2/X4/C2	24	CAPACITO	OR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r   X2/X4/R2	28	RESISTOR	₹	3.01k	1% 1/10	)W	0603	Resistor
X2/X4/R6		RESISTOR		1	1% 1/10		0603	Resistor
X2/X4/C2		CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
r								_
x2/x4/c3	30	POLARIZI	ED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X2/X4/R3	3.9	RESISTOR	5	15.0k	1% 1/10	) TAT	0603	Resistor
X2/X4/R3 X2/X4/R4		RESISTOR		3.01k	1% 1/10		0603	Resistor
X2/X4/R3 X2/X4/C2		CAPACIT(		4.7uF	10WVDC		1812	Ceramic capacito
r		CLIENCEL	J11	1. / U.F.	TOWVDC	21/10	±0±2	cordinate capacito
X2/X4/C2	25	CAPACITO	OR	0.1uF	16WVDC	X7R	0603	Ceramic capacito

May 13, 15 16:04		Page 26/42			
r					0
x2/x4/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/R20	RESISTOR	1	1/4W 1206	Resisto	
X2/X4/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X4/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X2/X4/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif	•				
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X4/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	DEGLESS	F 11	10 1/10	0.603	
X2/X4/R5 X2/X4/C9	RESISTOR CAPACITOR	5.11 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r					
X2/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X4/C7	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/R13 X2/X4/R41	RESISTOR	301k	1% 1/10W 1% 0603	Resisto	
X2/X4/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X4/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r X2/X4/C4a	CAPACITOR	30pF	5% NP0 Vitreous		Ceramic capacito
r		_			_
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	unknown SC70	SPST and	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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X2/X4/U3	MAX4594DCKR	unknaun	unknown SC70	CDCT an	alog switch
X2/X4/U3 X2/X4/R25	RESISTOR	1.00Meg		Resisto:	
40/00				\A/-	

May 13, 15 16:04		Vide	o.bom.	txt		Page 27/42
X2/X4/R19	RESISTOR	62	5% 0.15		0805	Resistor
X2/X4/R15	RESISTOR	3.00k	1%	0603	Resisto	
X2/X4/C12	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X2/X4/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						-
X2/X4/C21	CAPACITOR	1nF	50WVDC	COG	0603	Ceramic capacito
r   X2/X4/R14	RESISTOR	46.4	1% 1/10	) T. 7	0603	Resistor
X2/X4/K14 X2/X4/U9	AD7984BRMZ			n MSOP10	ADC	Resiscoi
	RESISTOR	DNP	1% 1/10		0603	Resistor
X2/X4/R7						
X2/X4/C18	CAPACITOR	DNP	25WVDC	X/R	0603	Ceramic capacito
r   X2/X4/C19	CAPACITOR	2pF	25WVDC	V7D	0603	Ceramic capacito
r	CAPACITOR	ZPr	ZSWVDC	A/K	0003	Ceramic Capacito
X2/X4/R10	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/R12	RESISTOR	3.00k	1%	0603	Resisto	r
X2/X4/U7	MAX4594DCKR	unknown	unknowr	sC70	SPST and	alog switch
X2/X4/C4	CAPACITOR	100pF		Vitreous	0505	Ceramic capacito
r   X2/X4/R2	DECTOWOD	2.00k	1%	0603	Resisto	·
	RESISTOR					
X2/X4/R9	RESISTOR	3.00k	1%	0603	Resistor	
X2/X4/R8	RESISTOR	0	1%	0603	Resisto	
X2/X4/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X2/X3/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X2/X3/C3 r	CAPACITOR	4.7uF	10WVDC	X'/R	1812	Ceramic capacito
X2/X3/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X2/X3/R28	RESISTOR	3.01k	1% 1/10	ЭW	0603	Resistor
X2/X3/R6	RESISTOR	1	1% 1/10		0603	Resistor
X2/X3/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r x2/x2/g20		THOD	47	1 5 5 7 7 7 7	2711	
x2/x3/C30 or	POLARIZED_CAPAC	LTOR	47uF	15WVDC	2/11	Tantalum capacit
X2/X3/R39	RESISTOR	15.0k	1% 1/10	W	0603	Resistor
X2/X3/R40	RESISTOR	3.01k	1% 1/10	) W	0603	Resistor
X2/X3/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r X2/X3/C25	CAPACITOR	0.1uF	16WVDC	<b>У</b> 7р	0603	Ceramic capacito
r	ONE WOLLOW					_
X2/X3/R33	RESISTOR	330	1% 1/10	) W	0603	Resistor
X2/X3/R20	RESISTOR	1	1/4W	1206	Resisto	r
X2/X3/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r   X2/X3/R26	RESISTOR	1.05k	1% 1/10	) W	0603	Resistor
X2/X3/K20 X2/X3/C10	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CAFACITOR	U.Iur	TOWADC	X/IC	0003	Ceramic Capacito
X2/X3/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif				_		
X2/X3/C14 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X2/X3/R18	RESISTOR	5.11	1% 1/10	ז געז	0603	Resistor
X2/X3/R16 X2/X3/C13	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
x2/x3/C13	CAFACTION	J.IUF	TOMADO	ΔΙΓ	0003	Ceramic Capacito
x2/x3/R17	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X2/X3/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						-

May 13, 15 16:04		Vide	eo.bom.txt		Page 28/42
X2/X3/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X3/C5 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X3/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/C8 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/R22 X2/X3/C7	RESISTOR CAPACITOR	330 0.1uF	1% 1/10W 16WVDC X7R	0603 0603	Resistor Ceramic capacito
r   X2/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X3/R23 X2/X3/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X2/X3/R4Z 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	r
X2/X3/U6	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X2/X3/U8	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X2/X3/U5	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
X2/X3/U4	ADA4805-1AKSZ	unknown	unknown SC70-6	Fast op	amp
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	
X2/X3/U11	MAX4594DCKR	unknown	unknown SC70	SPST an	alog switch
X2/X3/C6 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X2/X3/U3	MAX4594DCKR		unknown 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	r
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	lnF	50WVDC COG	0603	Ceramic capacito
X2/X3/C21 r	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
x2/x3/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X3/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC	
X2/X3/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X2/X3/C18 r	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
x2/x3/C19 r	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
X2/X3/R10	RESISTOR	3.00k	1% 0603	Resisto	r
X2/X3/R12	RESISTOR	3.00k	1% 0603	Resisto	
40/00				10/-	

May 13, 15 16:04		Vide	o.bom.	txt		Page 29/42
X2/X3/U7	MAX4594DCKR	unknown	unknown	sc70	SPST and	alog switch
X2/X3/C4 r	CAPACITOR	100pF		Vitreous		Ceramic capacito
X2/X3/R2	RESISTOR	2.00k	1%	0603	Resistor	
X2/X3/R9	RESISTOR	3.00k	1%	0603	Resistor	r
X2/X3/R8	RESISTOR	0	1%	0603	Resistor	r
X2/X3/C1	CAPACITOR	220pF	50WVDC	0805		capacitor
X2/X2/R27	RESISTOR	44.2k	1% 1/10		0603	Resistor
X2/X2/C3	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r	C11111C11O10	1.741	TOWARC	21710	1012	ceramic capacito
X2/X2/C24 r	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
X2/X2/R28	RESISTOR	3.01k	1% 1/10	)W	0603	Resistor
X2/X2/R6	RESISTOR	1	1% 1/10		0603	Resistor
X2/X2/C29	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CHILICITOR	0.141	TOWADO	21 / 10	0005	ceramic capacito
X2/X2/C30 or	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X2/X2/R39	RESISTOR	15.0k	1% 1/10	)W	0603	Resistor
X2/X2/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X2/X2/C28	CAPACITOR	4.7uF	10WVDC		1812	Ceramic capacito
r				•	- ==	
X2/X2/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r X2/X2/R33	RESISTOR	330	1% 1/10	) T <sub>4</sub> T	0603	Resistor
		330 1		1206	Resisto	
X2/X2/R20	RESISTOR	_	1/4W			
X2/X2/C23 r	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
X2/X2/R26	RESISTOR	1.05k	1% 1/10		0603	Resistor
X2/X2/C10	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X2/X2/U10	DUAL_OPAMP	LM6142A	IM	N/A	S08	generic dual ope
rational amplif						
X2/X2/C14 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X2/X2/R18	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X2/X2/C13	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r v2/v2/p17	DECTOROD	г 11	1% 1/10	\ T.7	0603	Dogiator
X2/X2/R17	RESISTOR CAPACITOR	5.11 0.1uF	•		0603	Resistor
X2/X2/C11 r	CAPACITOR	U. LUF	16WVDC	Λ/Γ	0003	Ceramic capacito
X2/X2/R16	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X2/X2/R10 X2/X2/C5	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CALACITOR	o.iur	TOWADC	21 / 10	0003	ceramic capacito
x2/x2/R5	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X2/X2/R3 X2/X2/C9	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	CALACITOR	o.iur	TOWADC	21 / 10	0003	ceramic capacito
x2/x2/R21	RESISTOR	330	1% 1/10	) W	0603	Resistor
X2/X2/R21 X2/X2/C8	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	C111 11CT 1 OIL	O. Lur	T 0 M A D C	21/10	5005	ccidmic capacito
x2/x2/R22	RESISTOR	330	1% 1/10	) TAT	0603	Resistor
X2/X2/R22 X2/X2/C7	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
x2/x2/C/ r	CAPACIIUK	U.IUF	TOMADC	ΔΙΚ	0003	Ceramic Capacito
X2/X2/R23	RESISTOR	330	1% 1/10	) TAT	0603	Resistor
X2/X2/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X2/X2/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X2/X2/Q2	MMBFJ309	unknown			n-channe	
X2/X2/C22	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
r						

May 13, 15 16:04		Vide	eo.bom.txt	Page 30/42
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-IAKSZ		unknown SC70-6	
				Fast opamp
X2/X2/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X2/X2/C16 r	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
X2/X2/C4a	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				
X2/X2/R38	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X2/X2/C6	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	01111011010	0.141	100000 11710	ceramic capacite
X2/X2/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X2/X2/R25	RESISTOR	1.00Meg	1% 0603	Resistor
X2/X2/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X2/X2/R15	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/C12	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r	01111011011	0 0 2 3.2	2011/20 22/21	occamine caracter
X2/X2/R4	RESISTOR	3.00k	1% 0603	Resistor
X2/X2/C20	CAPACITOR	1nF	50WVDC COG	0603 Ceramic capacito
r x2/ x2/ C20	CAPACITOR	TIII	JOWVDC COG	0003 CETAMIC 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				
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	unknown SC70	SPST analog switch
X2/X2/C4	CAPACITOR	100pF	5% NPO Vitreous	
r		-		-
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/C1	CAPACITOR	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	CHIACTION	i. /ur	TOWADC VIV	1012 CCIAMIC Capacito
x2/x1/C24 r	CAPACITOR	7.5nF	16WVDC X7R	0603 Ceramic capacito
X2/X1/R28	RESISTOR	3.01k	1% 1/10W	0603 Resistor
X2/X1/R26 X2/X1/R6	RESISTOR	1	1% 1/10W	0603 Resistor
X2/X1/R0 X2/X1/C29	CAPACITOR	0.1uF	16WVDC X7R	0603 Resistor 0603 Ceramic capacito
r				<del>-</del>
X2/X1/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711 Tantalum capacit
or				

May 13, 15 16:04		Vide	eo.bom.txt		Page 31/42
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	CHILICITOR	1. 7 41	100000 11710	1012	ceramic capacito
X2/X1/C25	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CHILICITOR	0.141	100000 11710	0005	ceramic capacito
X2/X1/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X2/X1/R20	RESISTOR	1	1/4W 1206	Resisto:	
X2/X1/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0111110111011	0.141	1011/10	0005	ceramic capacite
X2/X1/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X2/X1/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X2/X1/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif:					J = = = = = = = = = = = = = = = = = = =
X2/X1/C14	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	-	· <del>_</del>			1 1 1 E 11 2 = 30
X2/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X2/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					1
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 SOT23	n-chann	
X2/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	D=G=G=G=	4.5.4	10 1/10:-	0.600	
X2/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X2/X1/R41	RESISTOR	301k	1% 0603	Resisto	
X2/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X2/X1/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X2/X1/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r v2/v1/c4a	CNDNCTTOD	20~⊏	E9 NDO 17-1 +	0505	Coromia accesita
X2/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r   X2/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Coromia conscita
XZ/XI/CZ   r	CAPACIIUK	U.IUF	TOMADO VIK	0003	Ceramic capacito
X2/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X2/X1/K11 X2/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X2/X1/012 X2/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CALACTION	U.IUF	TOMADO VIV	0003	ceramic capacito
X2/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	r
Mada ada May 40		3.0012		100100	E4/00

May 13,	15 16:04			Vide	o.bom.	txt		Page 32/42
X2/X1/U1 X2/X1/C6		MAX4594I CAPACITO		unknown 0.1uF	unknown 16WVDC		SPST and	alog switch Ceramic capacito
r   X2/X1/U3   X2/X1/R2   X2/X1/R3   X2/X1/R3	25 19	MAX4594I RESISTOR RESISTOR	ξ {	unknown 1.00Meg 62 3.00k		0603	SPST and Resistor 0805 Resistor	Resistor
X2/X1/C1		CAPACITO		0.1uF			0603	Ceramic capacito
X2/X1/R4 X2/X1/C2		RESISTOR CAPACITO		3.00k 1nF	1% 50WVDC	0603 C0G	Resistor 0603	r Ceramic capacito
x2/x1/c2 r	21	CAPACITO	OR	1nF	50WVDC	C0G	0603	Ceramic capacito
X2/X1/R1 X2/X1/U9 X2/X1/R1	9	RESISTOR AD7984BR RESISTOR	RMZ	46.4 unknown DNP	1% 1/10 unknown 1% 1/10	MSOP10	0603 ADC 0603	Resistor Resistor
X2/X1/C1	18	CAPACITO	OR	DNP	25WVDC	X7R	0603	Ceramic capacito
X2/X1/C1	19	CAPACITO	OR	2pF	25WVDC	X7R	0603	Ceramic capacito
X2/X1/R3 X2/X1/R3 X2/X1/U3 X2/X1/C4	12 7	RESISTOR RESISTOR MAX4594I CAPACITO	R OCKR	3.00k 3.00k unknown 100pF		0603 0603 SC70 Vitreous		
X2/X1/R2 X2/X1/R9 X2/X1/R8 X2/X1/C2	9 3	RESISTOR RESISTOR RESISTOR CAPACITO	₹ ?	2.00k 3.00k 0 220pF	1% 1% 1% 50WVDC	0603 0603 0603 0805	Resistor Resistor Resistor Ceramic	c
Js or	StackCo					00-101-30		Stacking connect
J1	Flexpri	nt	unknown	unknown	NK-2M2-	051	Airborne	e 51 pin connecto
X1/C39 X1/R51 X1/R53 X1/R52 X1/C38 X1/C37 X1/U10 X1/C36 X1/U9 X1/C35 X1/R48	CAPACITO RESISTON RESISTON CAPACITO CAPACITO MAX308CS CAPACITO AD5328 CAPACITO RESISTON	R R R DR DR EE+ DR unknown DR	22nF	10WVDC 2 5% 0.15V 1% 1/10V 1% 1/10V 16WVDC 2 unknown 50WVDC 2 TSSOP16 10WVDC 2 5% 0.15V	W W K7R K7R SO16 K7R Octal D	0603	Resistor Resistor Ceramic Ceramic analog r Ceramic	r capacitor capacitor mux capacitor capacitor
X1/R50 X1/R49 X1/C34 X1/C33 X1/U8 X1/C32	RESISTON RESISTON CAPACITO CAPACITO MAX308CS CAPACITO	R OR OR SE+	3.74k 3.74k 0.1uF 22nF unknown 22nF	1% 1/10V 1% 1/10V 16WVDC 2 50WVDC 2 unknown 50WVDC 2	N K7R K7R SO16	0603 0603 0603 0603 8 input 0603	Ceramic analog r	r capacitor capacitor
X1/U7 X1/C31 X1/L4 X1/C30 X1/L3	AD5328 CAPACITO EXC-3BB CAPACITO EXC-3BB	unknown DR 102H DR 102H	unknown 0.1uF unknown 22nF unknown	TSSOP16 25WVDC 2 unknown 50WVDC 2 unknown	Octal D X7R 0603 X7R 0603	AC 0603 EMI chi; 0603 EMI chi;	Ceramic Ceramic	capacitor capacitor
X1/C29 X1/L2 X1/L1	CAPACITO EXC-3BB	102H		50WVDC 2 unknown unknown	0603	0603 EMI chi <sub>l</sub> EMI chi <sub>l</sub>	<u> </u>	capacitor

May 13, 15 16:04		Vide	eo.bom	txt		Page 33/42
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		33021	3011120	21 / 10	0005	ceramic capacito
x1/x6/R12	RESISTOR	470	1% 1/10	ЭW	0603	Resistor
X1/X6/C5	CAPACITOR	47nF	50WVDC		0805	Ceramic capacito
r	CAFACIION	4 / III.	JOWVDC	X/IC	0003	ceramic capacito
x1/x6/c3	CAPACITOR	22nF	50WVDC	V7D	0603	Ceramic capacito
r	CAPACITOR	Z Z I I I	JOWVDC	X/K	0003	Ceramic Capacito
X1/X6/R6	RESISTOR	49.9	1% 1/10	ואז (	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						
X1/X6/R5	RESISTOR	470	1% 1/10		0603	Resistor
X1/X6/C2	CAPACITOR	47nF	50WVDC	X7R	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	IS8	N/A	S08	unknown
X1/X5/R13	RESISTOR	1.00Meg	1%	0603	Resisto	r
X1/X5/R8	RESISTOR	100k	1%	0603	Resisto:	r
X1/X5/R9	RESISTOR	300k	1%	0603	Resisto	r
X1/X5/R10	RESISTOR	100k	1%	0603	Resisto	r
X1/X5/R11	RESISTOR	301k	1%	0603	Resisto	
X1/X5/C4	CAPACITOR	330pF	50WVDC		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		1 / 111	3011120	21 / 10	0005	ceramic capacito
x1/x5/C3	CAPACITOR	22nF	50WVDC	X7R	0603	Ceramic capacito
r			551,150			222320 04640100
x1/x5/R6	RESISTOR	49.9	1% 1/10	) W	0603	Resistor
X1/X5/R7	RESISTOR	1.00Meg		0603	Resisto:	
X1/X5/R1	RESISTOR	1.00Meg 100k	1%	0603	Resisto	
X1/X5/R1 X1/X5/R2	RESISTOR	300k	1%	0603	Resisto:	
					Resisto:	
X1/X5/R3	RESISTOR	100k	1%	0603		
X1/X5/R4	RESISTOR	301k	1%	0603	Resisto:	
X1/X5/C1	CAPACITOR	330pF	50WVDC	X/K	0603	Ceramic capacito
Y1 /VE /DE	DEGTOROD	470	10. 1 /1/	77.7	0602	Dogiator
X1/X5/R5	RESISTOR	470	1% 1/10		0603	Resistor
X1/X5/C2	CAPACITOR	47nF	50WVDC	X/K	0805	Ceramic capacito
r	40.0	10 1 /10		0.602	D - ' '	
X1/R62 RESISTOR		1% 1/10		0603	Resisto	r.
X1/R57 RESISTOR		1%	0603	Resisto		
X1/R54 RESISTOR		1%	0603	Resisto		
X1/R47 RESISTOR	_		0603	Resisto		
X1/R46 RESISTOR		1%	0603	Resisto		
X1/C27 CAPACITO	OR 22nF	100WVDC	X7R	0805	Ceramic	capacitor
	OR 22nF					capacitor

May 13,	15 16:04	•	Video.bom	n.txt Page 34/	/42
X1/R45	RESISTOR	40.2k 1%	0603	Resistor	
X1/C26	CAPACITOR	33nF 25WV	DC X7R	0603 Ceramic capacitor	
X1/R44	RESISTOR	604k 1%	0603	Resistor	
X1/R43	RESISTOR	10k 1%	0603	Resistor	
	CAPACITOR		IVDC X7R	0805 Ceramic capacitor	
X1/R42	RESISTOR	10k 1%	0603	Resistor	
X1/Q2	PNP_TRANSISTOR			unknown	
X1/R41	RESISTOR	200k 1%	0603	Resistor	
X1/R40	RESISTOR	10k 1%	0603	Resistor	
X1/Q1	PNP_TRANSISTOR	PMBTA92 unkr		unknown	
X1/C24	CAPACITOR		DC X7R	0603 Ceramic capacitor	
X1/R39	RESISTOR	133k 1% LM6142AIM	0603	Resistor S08 generic dual operatio	mal
X1/U4	DUAL_OPAMP ier, SO8	LM0142A1M	N/A	SO8 generic dual operatio	maı
X1/R38	RESISTOR	604k 1%	0603	Resistor	
X1/R37	RESISTOR	392k 1%	0603	Resistor	
	RESISTOR	200k 1%	0603	Resistor	
	CAPACITOR		DC X7R	0603 Ceramic capacitor	
X1/R35	RESISTOR		/10W	0603 Resistor	
X1/C22	CAPACITOR		DC X7R	1206 Ceramic capacitor	
X1/U3	DUAL_OPAMP	LT2078AIS8	N/A	SO8 unknown	
X1/C21	CAPACITOR		DC X7R	1206 Ceramic capacitor	
X1/C20	CAPACITOR	0.1uF 25WV	DC X7R	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		DC X7R	0603 Ceramic capacitor	
X1/R30	RESISTOR		_/10W	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	CAPACITOR		DC X7R	0603 Ceramic capacitor	
X1/R25	RESISTOR		/10W 7DC X7R	0603 Resistor	
X1/C17	CAPACITOR			1206 Ceramic capacitor	
X1/U2 X1/C15	DUAL_OPAMP CAPACITOR	LT2078AIS8 0.1uF 25WV	N/A 7DC X7R	SO8 unknown 0603 Ceramic capacitor	
X1/C15	CAPACITOR		DC X7R	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		DC X7R	0603 Ceramic capacitor	
X1/R19	RESISTOR		_/10W	0603 Resistor	
X1/C13	CAPACITOR		DC X7R	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		DC X7R	0603 Ceramic capacitor	
X1/R13	RESISTOR		_/10W_	0603 Resistor	
X1/C11	CAPACITOR		DC X7R	1206 Ceramic capacitor	
X1/R60	RESISTOR		_/10W	0603 Resistor	
X1/R61	RESISTOR		_/10W	0603 Resistor	
X1/C40	CAPACITOR		DC X7R	0603 Ceramic capacitor	
X1/U11	DUAL_OPAMP	LM6142AIM	N/A	SO8 generic dual operatio	na⊥

May 13, 15 16:04			Vide	o.bom.	txt		Page 35/42
amplifier, SO8							<u> </u>
X1/U1 DUAL_OP. X1/R12 RESISTO: X1/C10 CAPACIT X1/C9 CAPACIT X1/C8 CAPACIT	AMP R OR OR		IS8 1% 1/10 25WVDC 1 25WVDC 1 25WVDC 1	X7R X7R	SO8 0603 0603 0603 0603	Ceramic	
X1/R11 RESISTO X1/R10 RESISTO X1/R9 RESISTO X1/R8 RESISTO X1/R7 RESISTO	R R R R R	54.9k 82.5k 604k 953k 200k	18 18 18 18 18	0603 0603 0603 0603	Resiston Resiston Resiston Resiston	r r r r	
X1/C7 CAPACIT X1/R6 RESISTO X1/C6 CAPACIT X1/U5 DUAL_OP. amplifier, S08	R OR AMP	3.3nF 470 0.22uF LM6142A		W X7R N/A	0603 0603 1206 S08	Resistor Ceramic generic	capacitor dual operational
X1/R5   RESISTO   X1/C3   CAPACIT   X1/R4   RESISTO   X1/R3   RESISTO   X1/C2   CAPACIT	OR R R	4.75k 620pF 14.7k 1 1uF	1% 1/10v 10wvdc 1 1% 1/10v 1% 1/10v 10wvdc 1	X7R W W	0603 0805 0603 0603 0805	Resisto:	capacitor r
X1/C5 CAPACIT X1/R2 RESISTO X1/C4 CAPACIT X1/R1 RESISTO X1/U6 REFEREN	R OR R	1uF 4.99 1uF 49.9 REF43GS	10WVDC 2 1% 1/10V 10WVDC 2 1% 1/10V N/A	W X7R	0805 0603 0805 0603 2.5V Re	Ceramic Resistor Ceramic Resistor	capacitor r capacitor
X1/R59 RESISTO X1/X4/R27 X1/X4/C3 r X1/X4/C24	R RESISTOR CAPACITO CAPACITO	)R	1% 1/10v 44.2k 4.7uF 7.5nF	W 1% 1/10 10WVDC 16WVDC	X7R	Resisto: 0603 1812 0603	r Resistor Ceramic capacito Ceramic capacito
r X1/X4/R28	RESISTOR	2	3.01k	1% 1/10	W	0603	Resistor
X1/X4/R6 X1/X4/C29 r	RESISTOR CAPACITO	)R	1 0.1uF	1% 1/10 16WVDC	X7R	0603 0603	Resistor Ceramic capacito
X1/X4/C30 or	POLARIZE	D_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
X1/X4/R39 X1/X4/R40 X1/X4/C28	RESISTOR RESISTOR CAPACITO	2	15.0k 3.01k 4.7uF	1% 1/10 1% 1/10 10WVDC	W	0603 0603 1812	Resistor Resistor Ceramic capacito
X1/X4/C25	CAPACITO	)R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X4/R33 X1/X4/R20	RESISTOR RESISTOR	2	330 1		1206	0603 Resisto	
X1/X4/C23 r X1/X4/R26	CAPACITO		0.1uF 1.05k	16WVDC 1% 1/10		0603	Ceramic capacito Resistor
X1/X4/C10 r	CAPACITO		0.1uF	16WVDC		0603	Ceramic capacito
X1/X4/U10 rational amplif	DUAL_OPA	MP	LM6142A	IM	N/A	S08	generic dual ope
X1/X4/C14 r	CAPACITO	)R	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X4/R18 X1/X4/C13 r	RESISTOR CAPACITO		5.11 0.1uF	1% 1/10 16WVDC		0603 0603	Resistor Ceramic capacito
x1/x4/R17	RESISTOR	2	5.11	1% 1/10	W	0603	Resistor

May 13, 15 16:04		Vide	o.bom.txt		Page 36/42
X1/X4/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X1/X4/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X4/R16 X1/X4/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	0111101101	0 1 2 3.2	2011/20 11/11		ociamic caracio
X1/X4/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X4/C9 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X4/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/KZZ X1/X4/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X4/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X4/R42	RESISTOR RESISTOR	4.32k	1% 1/10W	0603 0603	Resistor
X1/X4/R1 X1/X4/Q2	MMBFJ309	4.32k	1% 1/10W unknown SOT23	n-channe	Resistor
X1/X4/Q2 X1/X4/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X4/R13 X1/X4/R41	RESISTOR RESISTOR	46.4 301k	1% 1/10W 1% 0603	0603 Resistor	Resistor
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	RESISTOR	20	1% 1/10W	0603	Resistor
X1/X4/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r   X1/X4/C4a   r	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
X1/X4/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R11	RESISTOR	2.00k	1% 0603	Resisto	r
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	Resisto	r
X1/X4/U11	MAX4594DCKR		unknown SC70		alog switch
X1/X4/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/U3	MAX4594DCKR	unknown	unknown SC70	SDST and	alog switch
X1/X4/R25	RESISTOR	1.00Meg		Resisto	
X1/X4/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X1/X4/R15	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X4/R4	RESISTOR	3.00k	1% 0603	Resisto	r
X1/X4/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r X1/X4/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r   X1/X4/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X4/U9	AD7984BRMZ	unknown	unknown MSOP10	ADC	
X1/X4/R7	RESISTOR	DNP	1% 1/10W	0603	Resistor
X1/X4/C18	CAPACITOR	DNP	25WVDC X7R	0603	Ceramic capacito
r X1/X4/C19	CAPACITOR	2pF	25WVDC X7R	0603	Ceramic capacito
r					

May 13, 15 16:04		Vide	eo.bom.txt		Page 37/42
X1/X4/R10	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/R10 X1/X4/R12	RESISTOR	3.00k	1% 0603	Resisto	
X1/X4/U7	MAX4594DCKR		unknown SC70		alog switch
X1/X4/C4	CAPACITOR	100pF	5% NPO Vitreous		Ceramic capacito
r	CAPACITOR	TOOPL	3% NPO VICIEOUS	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	C/11/1C11OIC	1. / 41	100000 21710	1012	ceramic capacito
X1/X3/C24	CAPACITOR	7.5nF	16WVDC X7R	0603	Ceramic capacito
r					
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					_
X1/X3/C30	POLARIZED_CAPAC	ITOR	47uF 15WVDC	2711	Tantalum capacit
or v1/v2/p20	DECTOMOD	1 5 01-	1% 1/10W	0602	Dogi atom
X1/X3/R39	RESISTOR RESISTOR	15.0k 3.01k	1% 1/10W 1% 1/10W	0603 0603	Resistor Resistor
X1/X3/R40		3.01K 4.7uF	•		
X1/X3/C28 r	CAPACITOR	4./uF	10WVDC X7R	1812	Ceramic capacito
X1/X3/C25 r	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
X1/X3/R33	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/R20	RESISTOR	1	1/4W 1206	Resisto	
X1/X3/C23	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	011111011011	0.1a1	100000 21710	0003	ceramic eapacres
X1/X3/R26	RESISTOR	1.05k	1% 1/10W	0603	Resistor
X1/X3/C10	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	DIII ODAND	T N C 1 4 O P	T16 27 / 7	G00	' 1 1
X1/X3/U10	DUAL_OPAMP	LM6142A	IM N/A	S08	generic dual ope
rational amplif		0 1	16WDG V7D	0603	Commis somesite
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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CHILICITOR	0.141	100000 21710	0003	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	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X3/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X3/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X3/R21	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C8	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r			40 4 / 50	0.5.5	
X1/X3/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X1/X3/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X3/R23 X1/X3/R42	RESISTOR	4.32k	1% 1/10W 1% 1/10W	0603	Resistor
X1/X3/R42 X1/X3/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X3/Q2	MMBFJ309		unknown SOT23	n-channe	
Mada a day May 40		5.1.1.1.0 W11		01101111	

May 13, 15 16:04		Vide	eo.bom.txt	Page 38/42
X1/X3/C22	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r   X1/X3/R13	RESISTOR	46.4	1% 1/10W	0603 Resistor
			1% 1/10W 1% 0603	
X1/X3/R41	RESISTOR	301k		Resistor
X1/X3/U6	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U8	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U5	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/U4	ADA4805-1AKSZ		unknown SC70-6	Fast opamp
X1/X3/R24	RESISTOR	20	1% 1/10W	0603 Resistor
X1/X3/C16 r	CAPACITOR	1uF	10WVDC X7R	0805 Ceramic capacito
X1/X3/C4a r	CAPACITOR	30pF	5% NPO Vitreous	0505 Ceramic capacito
X1/X3/C2 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X1/X3/R11	RESISTOR	2.00k	1% 0603	Resistor
X1/X3/U12	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C17	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
r				-
X1/X3/R38	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/U11	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C6  r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
X1/X3/U3	MAX4594DCKR	unknown	unknown SC70	SPST analog switch
X1/X3/R25	RESISTOR	1.00Meg	1% 0603	Resistor
X1/X3/R19	RESISTOR	62	5% 0.15W	0805 Resistor
X1/X3/R15	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C12 r	CAPACITOR	0.1uF	16WVDC X7R	0603 Ceramic capacito
x1/x3/R4	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/C20 r	CAPACITOR	lnF	50WVDC COG	0603 Ceramic capacito
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 capacito
x1/x3/C19	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
r   X1/X3/R10	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/R12	RESISTOR	3.00k	1% 0603	Resistor
X1/X3/U7	MAX4594DCKR		unknown SC70	SPST analog switch
X1/X3/C4	CAPACITOR	100pF	5% NPO Vitreous	
r X1/X3/R2	RESISTOR	2.00k	1% 0603	Resistor
X1/X3/R2 X1/X3/R9	RESISTOR RESISTOR	2.00k 3.00k	1% 0603	Resistor
			1% 0603 1% 0603	
X1/X3/R8 X1/X3/C1	RESISTOR	0 220pF	50WVDC 0805	Resistor
	CAPACITOR	220pf 44.2k		Ceramic capacitor 0603 Resistor
X1/X2/R27	RESISTOR	44.2K 4.7uF	1% 1/10W 10WVDC X7R	
X1/X2/C3 r	CAPACITOR	±./UF	TOMANC VIK	1812 Ceramic capacito
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	-		- ·	3 33.53.63
F0/00				

May 13, 15 16:04		Vide	o.bom	txt		Page 39/42
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	0111110111011	1.7 011	1011120	11,10	1012	ceramic eapacree
X1/X2/C25 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R33	RESISTOR	330	1% 1/10	) W	0603	Resistor
X1/X2/R20	RESISTOR	1	1/4W	1206	Resistor	
X1/X2/C23	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r  X1/X2/R26	RESISTOR	1.05k	1% 1/10	)W	0603	Resistor
X1/X2/C10	CAPACITOR	0.1uF	16WVDC		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	УM	0603	Resistor
X1/X2/C11	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r		- 11	10 1/1/		0.600	_
X1/X2/R16	RESISTOR	5.11	1% 1/10		0603	Resistor
X1/X2/C5 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R5	RESISTOR	5.11	1% 1/10	) W	0603	Resistor
X1/X2/C9	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r						
X1/X2/R21	RESISTOR	330	1% 1/10	WC	0603	Resistor
X1/X2/C8	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X2/R22	RESISTOR	330	1% 1/10		0603	Resistor
X1/X2/C7 r	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
X1/X2/R23	RESISTOR	330	1% 1/10	М	0603	Resistor
X1/X2/R42	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/R1 X1/X2/R1	RESISTOR	4.32k	1% 1/10		0603	Resistor
X1/X2/Q2	MMBFJ309	unknown			n-channe	
X1/X2/C22	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r		<del></del>		-		
X1/X2/R13	RESISTOR	46.4	1% 1/10	DW	0603	Resistor
X1/X2/R41	RESISTOR	301k	1%	0603	Resisto	
X1/X2/U6	ADA4805-1AKSZ		unknowr	n SC70-6	Fast opa	
X1/X2/U8	ADA4805-1AKSZ			n SC70-6	Fast opa	
X1/X2/U5	ADA4805-1AKSZ	unknown	unknowr	n SC70-6	Fast opa	
X1/X2/U4	ADA4805-1AKSZ			n SC70-6	Fast opa	
X1/X2/R24	RESISTOR	20	1% 1/10		0603	Resistor
X1/X2/C16	CAPACITOR	1uF	10WVDC	X7R	0805	Ceramic capacito
r v1/v2/c4a	CNDNCTTOD	20~⊑	רא אדרט	Vitreous	0505	Coromia associta
X1/X2/C4a r	CAPACITOR	30pF	OAM PC	vicieous	0505	Ceramic capacito
X1/X2/C2	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r v1/v2/p11		2 001-	10	0602	Dog	10
X1/X2/R11	RESISTOR	2.00k	1%	0603	Resistor	
X1/X2/U12 X1/X2/C17	MAX4594DCKR CAPACITOR	unknown 0.1uF	unknowr 16WVDC		0603	alog switch Ceramic capacito
Mada a ada May 40		U.IUF	T 0 M A D C	27 / 1/	0003	Ceramic Capacito

May 13, 15 16:04		Vide	o.bom.	txt		Page 40/42
r						
X1/X2/R38	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/U11	MAX4594DCKR	unknown				alog switch
X1/X2/C6	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	0111110111011	0.141	1011120	11,10	0005	ceramic capacite
X1/X2/U3	MAX4594DCKR	unknown	unknown	sc70	SPST and	alog switch
X1/X2/R25	RESISTOR	1.00Meg		0603	Resisto	
X1/X2/R19	RESISTOR	62	5% 0.15		0805	Resistor
X1/X2/R15	RESISTOR	3.00k	1%	0603	Resisto	
X1/X2/C12	CAPACITOR	0.1uF	16WVDC		0603	Ceramic capacito
r	01121102201	0 1 2 3.2				ociamic caracio
X1/X2/R4	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/C20	CAPACITOR	1nF	50WVDC		0603	Ceramic capacito
r						
X1/X2/C21	CAPACITOR	1nF	50WVDC	C0G	0603	Ceramic capacito
r						22200000
x1/x2/R14	RESISTOR	46.4	1% 1/10	) W	0603	Resistor
X1/X2/U9	AD7984BRMZ	unknown			ADC	
X1/X2/R7	RESISTOR	DNP	1% 1/10		0603	Resistor
X1/X2/C18	CAPACITOR	DNP	25WVDC		0603	Ceramic capacito
r			-			1
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	n SC70	SPST and	alog switch
X1/X2/C4	CAPACITOR	100pF	5% NP0	Vitreous	0505	Ceramic capacito
r						
X1/X2/R2	RESISTOR	2.00k	1%	0603	Resisto	r
X1/X2/R9	RESISTOR	3.00k	1%	0603	Resisto	r
X1/X2/R8	RESISTOR	0	1%	0603	Resisto	r
X1/X2/C1	CAPACITOR	220pF	50WVDC	0805	Ceramic	capacitor
X1/X1/R27	RESISTOR	44.2k	1% 1/10	) W	0603	Resistor
X1/X1/C3	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						
X1/X1/C24	CAPACITOR	7.5nF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X1/R28	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X1/R6	RESISTOR	1	1% 1/10		0603	Resistor
X1/X1/C29	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						_
X1/X1/C30	POLARIZED_CAPAC	ITOR	47uF	15WVDC	2711	Tantalum capacit
or						_
X1/X1/R39	RESISTOR	15.0k	1% 1/10		0603	Resistor
X1/X1/R40	RESISTOR	3.01k	1% 1/10		0603	Resistor
X1/X1/C28	CAPACITOR	4.7uF	10WVDC	X7R	1812	Ceramic capacito
r						
X1/X1/C25	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r						
X1/X1/R33	RESISTOR	330	1% 1/10		0603	Resistor
X1/X1/R20	RESISTOR	1	1/4W	1206	Resistor	
X1/X1/C23	CAPACITOR	0.1uF	16WVDC	X7R	0603	Ceramic capacito
r	DEGEGE===	1 0=2	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	IM	N/A	S08	generic dual ope
rational amplif		0.1.	1		0.500	
X1/X1/C14	CAPACITOR	0.1uF	16WVDC	X'/R	0603	Ceramic capacito
00/00						

May 13, 15 16:04		Page 41/42			
r			eo.bom.txt		
X1/X1/R18	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X1/C13	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r			J = <b>J</b>		
X1/X1/R17	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X1/C11	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X1/R16	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X1/C5	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X1/R5	RESISTOR	5.11	1% 1/10W	0603	Resistor
X1/X1/C9	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X1/R21	DECTOROD	330	1% 1/10W	0603	Resistor
X1/X1/R21 X1/X1/C8	RESISTOR CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	0.1ur	IOWVDC X/K	0003	Ceramic Capacito
x1/x1/R22	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X1/C7	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					1
X1/X1/R23	RESISTOR	330	1% 1/10W	0603	Resistor
X1/X1/R42	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X1/R1	RESISTOR	4.32k	1% 1/10W	0603	Resistor
X1/X1/Q2	MMBFJ309		unknown SOT23	n-chann	
X1/X1/C22	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r X1/X1/R13	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X1/R13 X1/X1/R41	RESISTOR	301k	1% 1/10W 1% 0603	Resisto	
X1/X1/U6	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X1/X1/U8	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X1/X1/U5	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X1/X1/U4	ADA4805-1AKSZ		unknown SC70-6	Fast op	
X1/X1/R24	RESISTOR	20	1% 1/10W	0603	Resistor
X1/X1/C16	CAPACITOR	1uF	10WVDC X7R	0805	Ceramic capacito
r	a a	20 -	50 37D0 77''	0.5.0.5	
X1/X1/C4a	CAPACITOR	30pF	5% NPO Vitreous	0505	Ceramic capacito
r X1/X1/C2	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r	CAPACITOR	0.1ur	IOWVDC X/K	0003	Ceramic Capacito
X1/X1/R11	RESISTOR	2.00k	1% 0603	Resisto	r
X1/X1/U12	MAX4594DCKR		unknown SC70		alog switch
X1/X1/C17	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					
X1/X1/R38	RESISTOR	3.00k	1% 0603	Resisto	
X1/X1/U11	MAX4594DCKR		unknown SC70		alog switch
X1/X1/C6	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r   X1/X1/U3	MAX4594DCKR	unknown	unknown SC70	CDCT and	alog switch
X1/X1/R25	RESISTOR	1.00Meg		Resisto:	
X1/X1/R23 X1/X1/R19	RESISTOR	62	5% 0.15W	0805	Resistor
X1/X1/R15	RESISTOR	3.00k	1% 0603	Resisto	
X1/X1/C12	CAPACITOR	0.1uF	16WVDC X7R	0603	Ceramic capacito
r					_
X1/X1/R4	RESISTOR	3.00k	1% 0603	Resisto	
X1/X1/C20	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r v1/v1/c01		1	FOUTDO COC	0.00	Connection with
X1/X1/C21	CAPACITOR	1nF	50WVDC COG	0603	Ceramic capacito
r X1/X1/R14	RESISTOR	46.4	1% 1/10W	0603	Resistor
X1/X1/K14 X1/X1/U9	AD7984BRMZ		unknown MSOP10	ADC	VCDIDCOI
Marka and a Mark 40		WIII WIII	WITH LIDOL TO	1100	04/00

May 13, 15 16:04		Page 42/42		
X1/X1/R7	RESISTOR	DNP	1% 1/10W	0603 Resistor
X1/X1/C18	CAPACITOR	DNP	25WVDC X7R	0603 Ceramic capacito
r   X1/X1/C19   r	CAPACITOR	2pF	25WVDC X7R	0603 Ceramic capacito
X1/X1/R10 X1/X1/R12 X1/X1/U7	RESISTOR RESISTOR MAX4594DCKR	3.00k 3.00k unknown		Resistor Resistor SPST analog switch
X1/X1/C4 r X1/X1/R2 X1/X1/R9	CAPACITOR RESISTOR RESISTOR	100pF 2.00k 3.00k	5% NPO Vitreous  1% 0603  1% 0603	Resistor Resistor
X1/X1/R8 X1/X1/C1	RESISTOR CAPACITOR	0 220pF	1% 0603 50WVDC 0805	Resistor Ceramic capacitor

May 13, 15 16:04	Tal	ole of Content			Page 1/1
Table of Contents					
1 Chain.1.ps sheets	1 to	1 ( 1) pages	1- 1	1 lines	
2 Chain.2.ps sheets	1 to	2 ( 2) pages	1- 2	1 lines	
3 DrainRegulator.ps sheets	2 to	3 ( 2) pages	2- 3	1 lines	
4 PerChip.1.ps sheets	3 to	4 ( 2) pages	3- 4	1 lines	
5 PerChip.2.ps sheets	4 to	5 ( 2) pages	4- 5	1 lines	
6 PerChip.3.ps sheets	5 to	6 ( 2) pages	5- 6	1 lines	
7 PerChip.4.ps sheets	6 to	7 ( 2) pages	6- 7	1 lines	
8 PerChip.5.ps sheets	7 to	8 ( 2) pages	7- 8	1 lines	
9 PerChip.6.ps sheets	8 to	9 ( 2) pages	8- 9	1 lines	
10 PerChip.7.ps sheets	9 to	10 ( 2) pages	9- 10	1 lines	
11 PerChip.8.ps sheets	10 to	11 ( 2) pages	10- 11	1 lines	
12 Pump.ps sheets	11 to	12 ( 2) pages	11- 12	1 lines	
13 Video.1.ps sheets	12 to	13 ( 2) pages	12- 13	1 lines	
14 Video.2.ps sheets	13 to	14 ( 2) pages	13- 14	1 lines	
15 Video.3.ps sheets	14 to	15 ( 2) pages	14- 15	1 lines	
16 Video.4.ps sheets	15 to	16 ( 2) pages	15- 16	1 lines	
17 Video.5.ps sheets	16 to	17 ( 2) pages	16- 17	1 lines	
18 Video.6.ps sheets	17 to	18 ( 2) pages	17- 18	1 lines	
19 Video.7.ps sheets		19 ( 2) pages	18- 19	1 lines	
20 Video.8.ps sheets	19 to	20 ( 2) pages	19- 20	1 lines	
21 Video.bom.txt sheets	21 to	62 (42) pages	21- 62	1926 lines	