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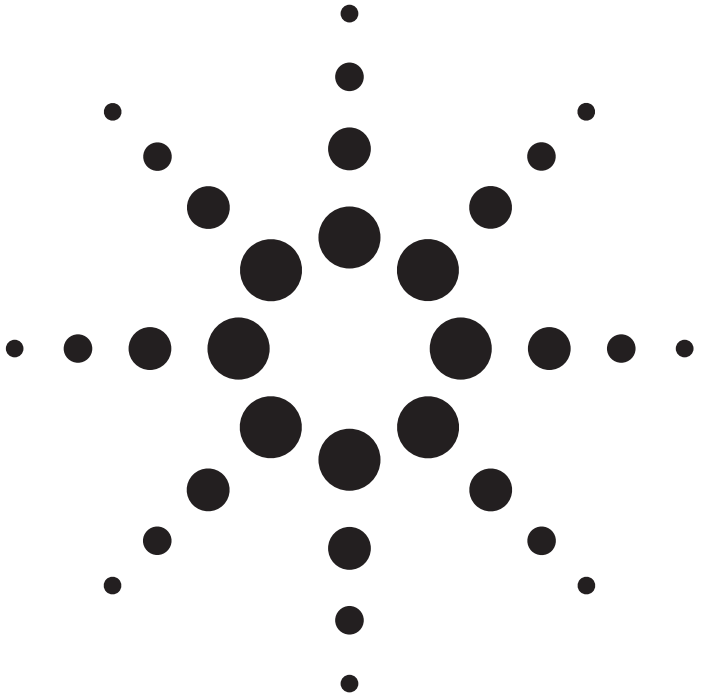
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Agilent E1445A Component Level Information

Agilent Technologies

E1445A Arbitrary Function Generator Component Level Information

Information in this packet applies to the following assemblies:

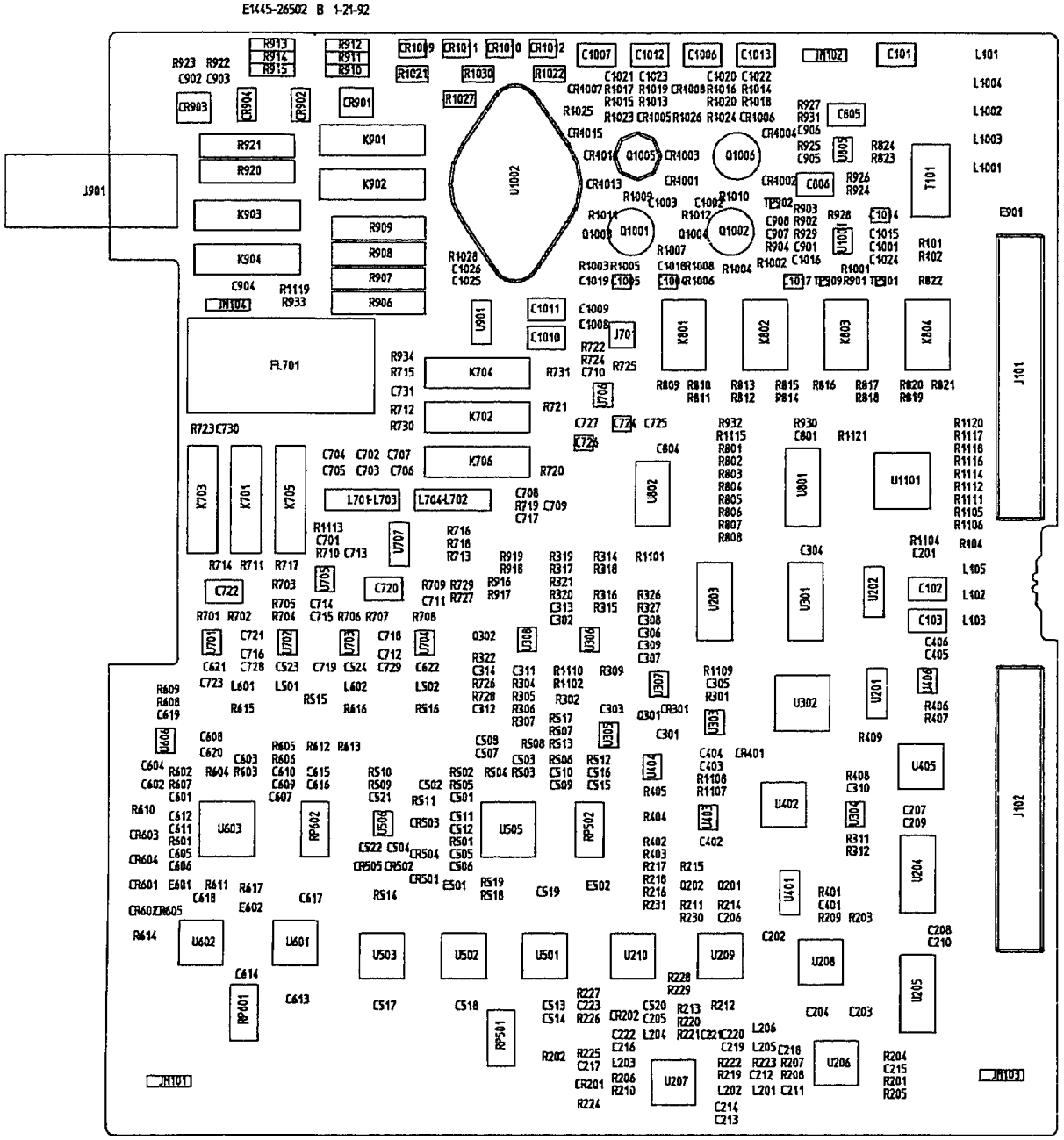
1. **E1445-66502 PC Assembly**
2. **E1445-66503 PC Assembly**
3. **E1445-66511 PC Assembly**

This packet includes:

1. **Component locators**
2. **Schematics**
3. **Parts lists with Agilent and manufacturer's part numbers**

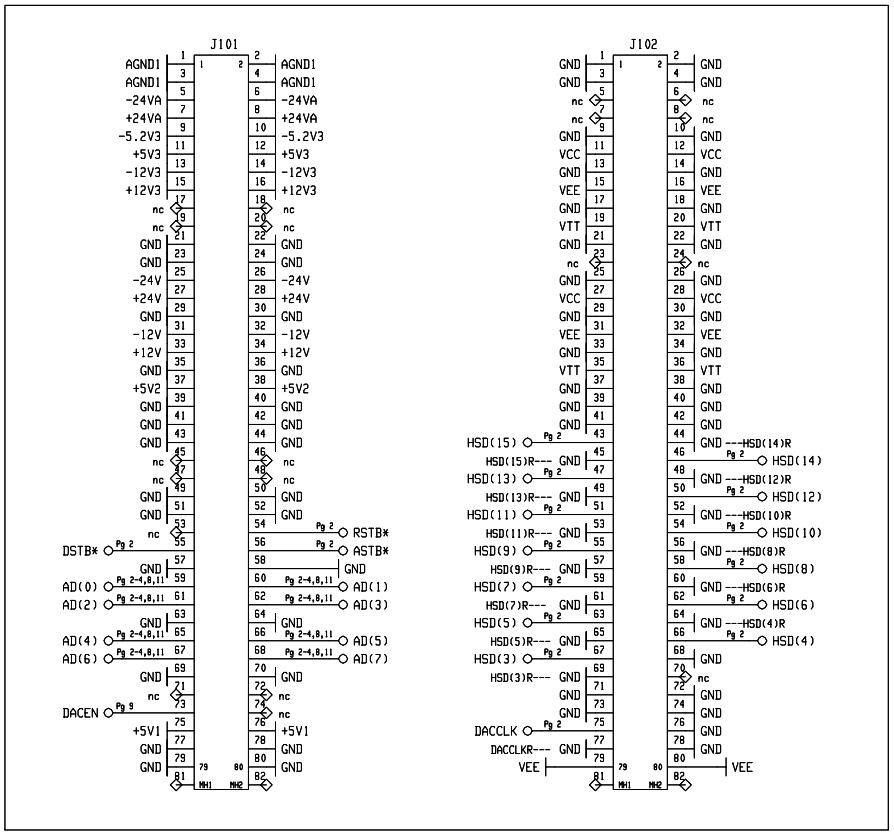
Agilent Technologies

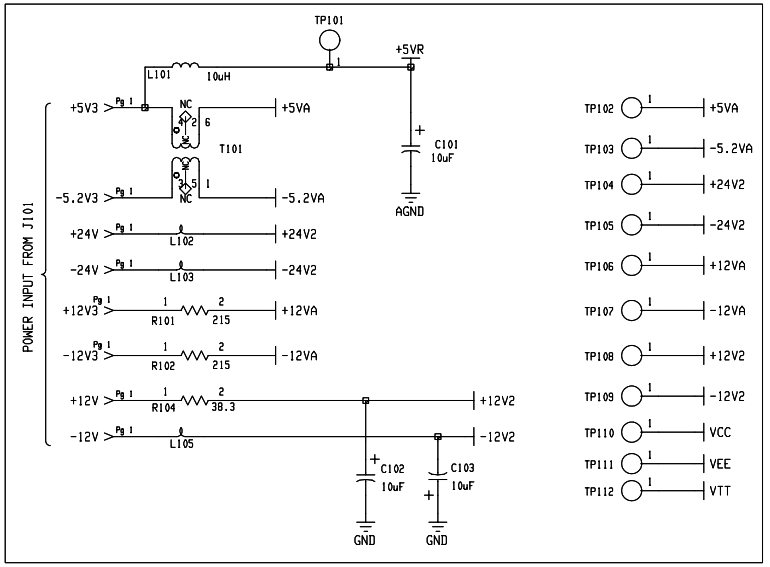
E1445-66502 Component Locator



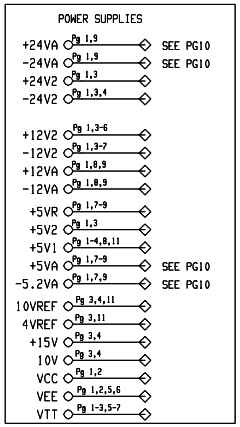
Agilent E1445A
Arbitrary Waveform Generator

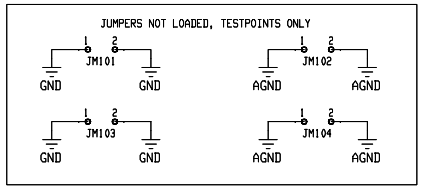
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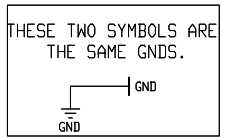




NOTE:
ALL TESTPOINTS ARE CIRCUIT SIDE TESTPOINTS ONLY>



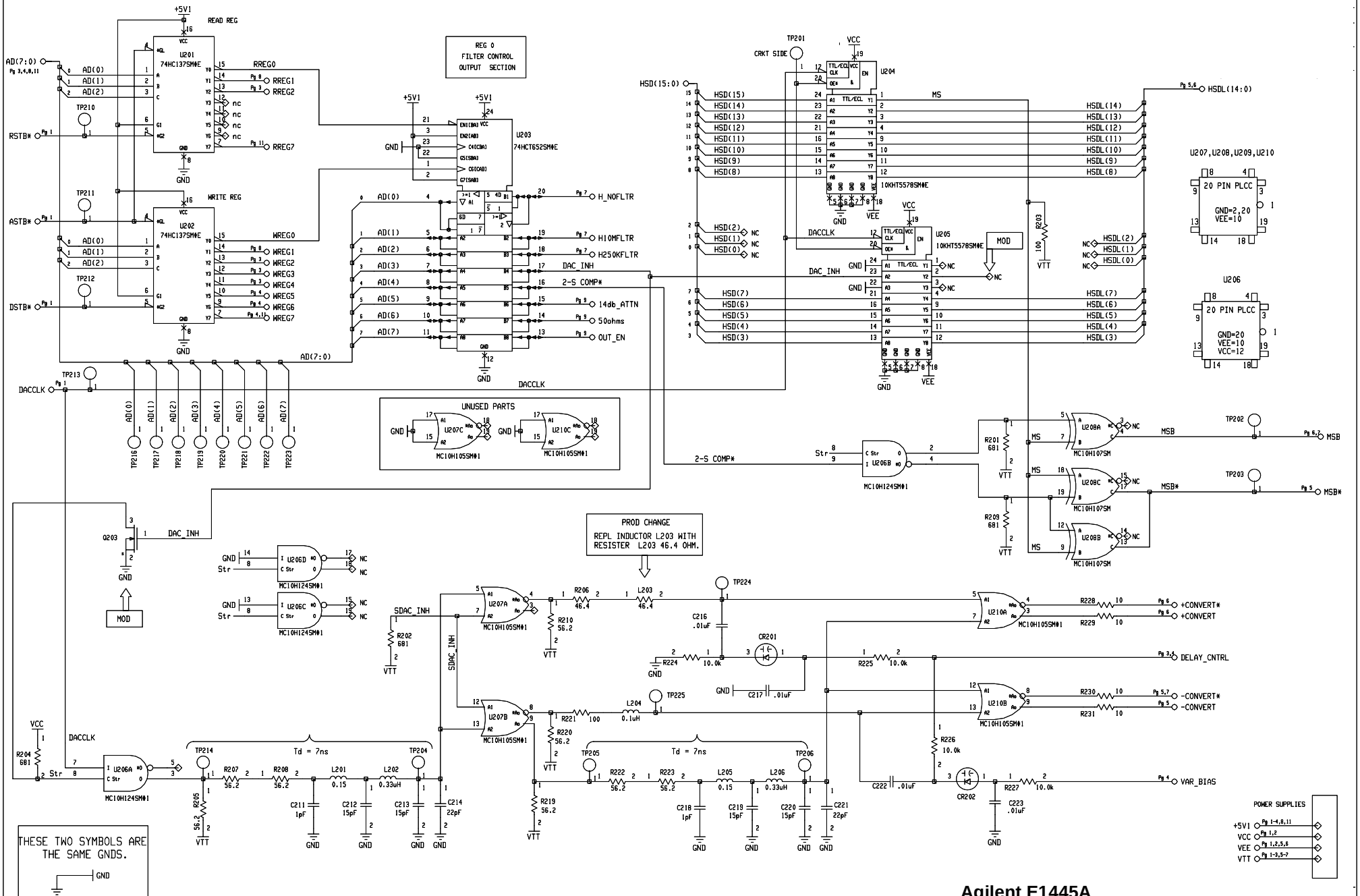




Agilent E1445A
Arbitrary Waveform Generator

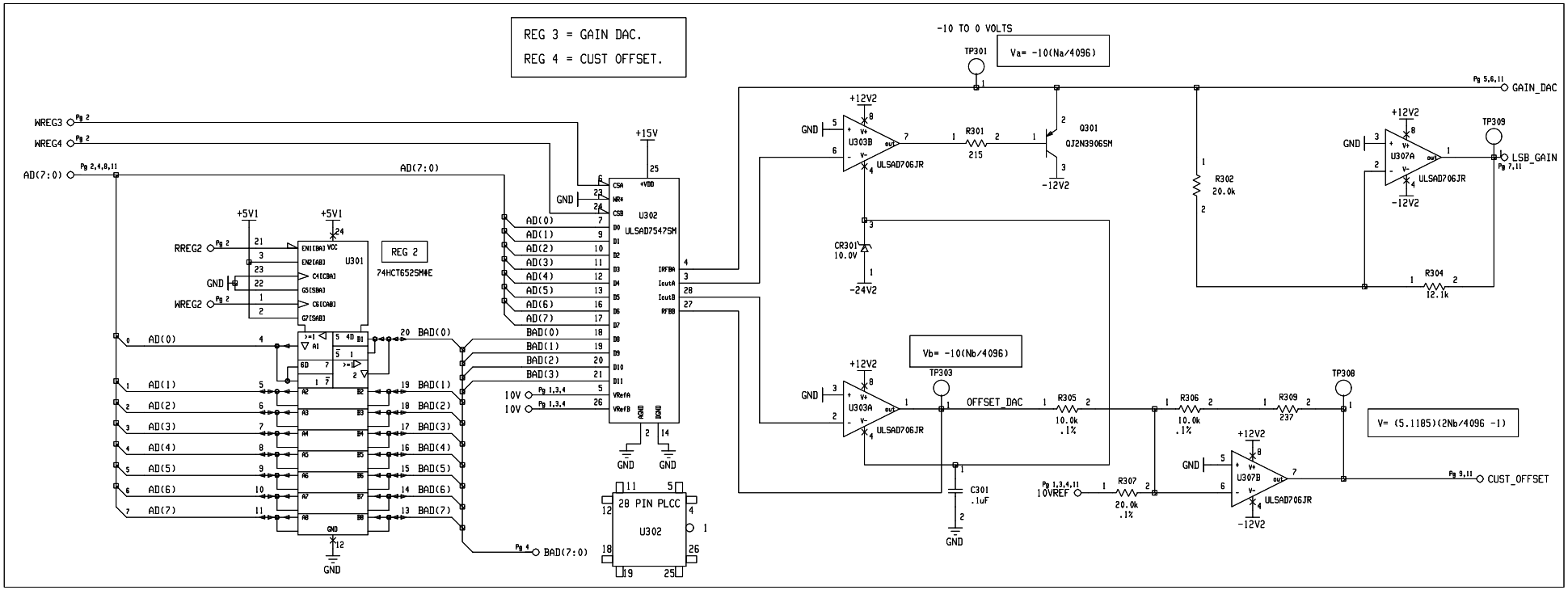
Input Connectors and Power Supplies

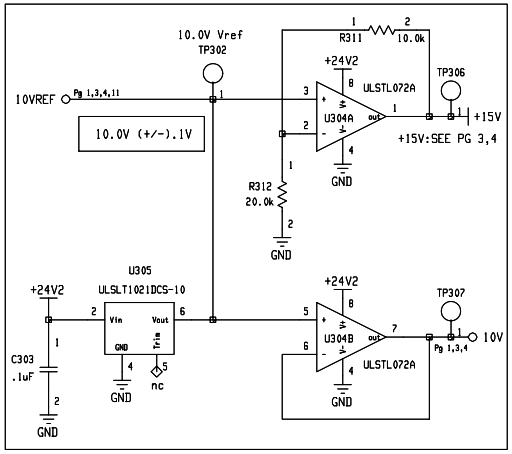
E1445-66502 page 1 of 15

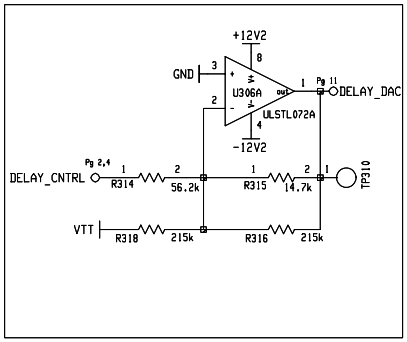


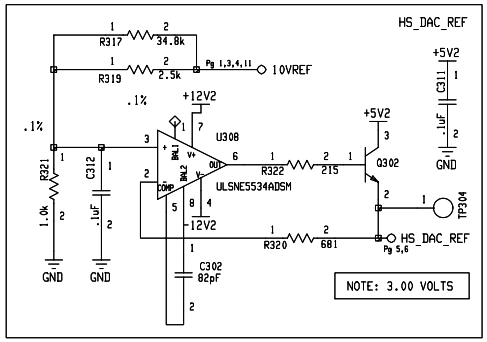
Agilent E1445A
Arbitrary Waveform Generator

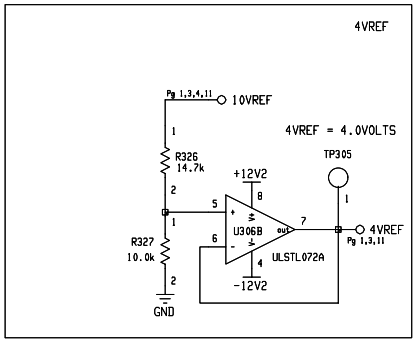
TTL ECL Converter Pulse Width

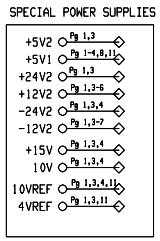


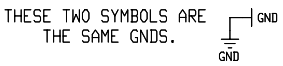


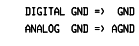


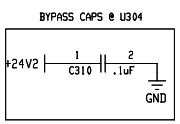


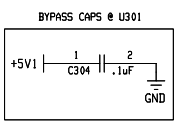


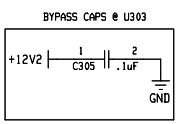


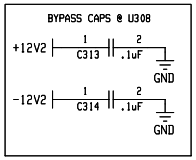


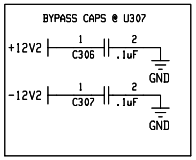


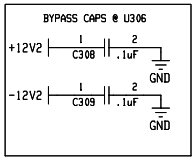






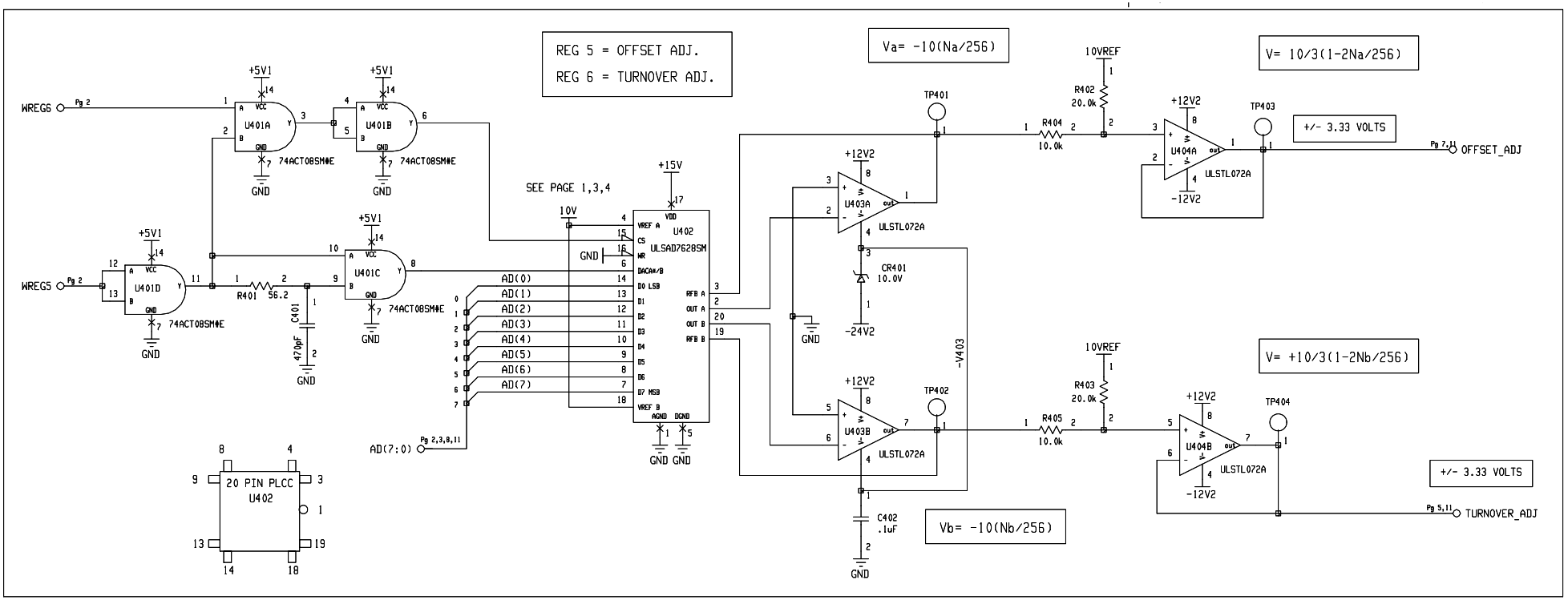


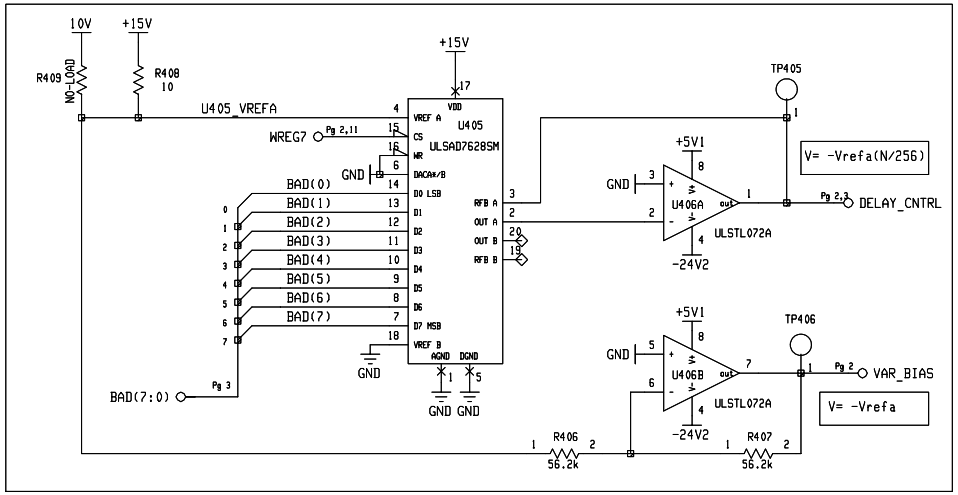


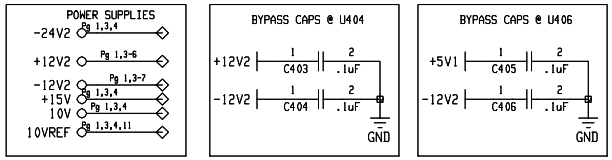


Agilent E1445A
Arbitrary Waveform Generator

Digital

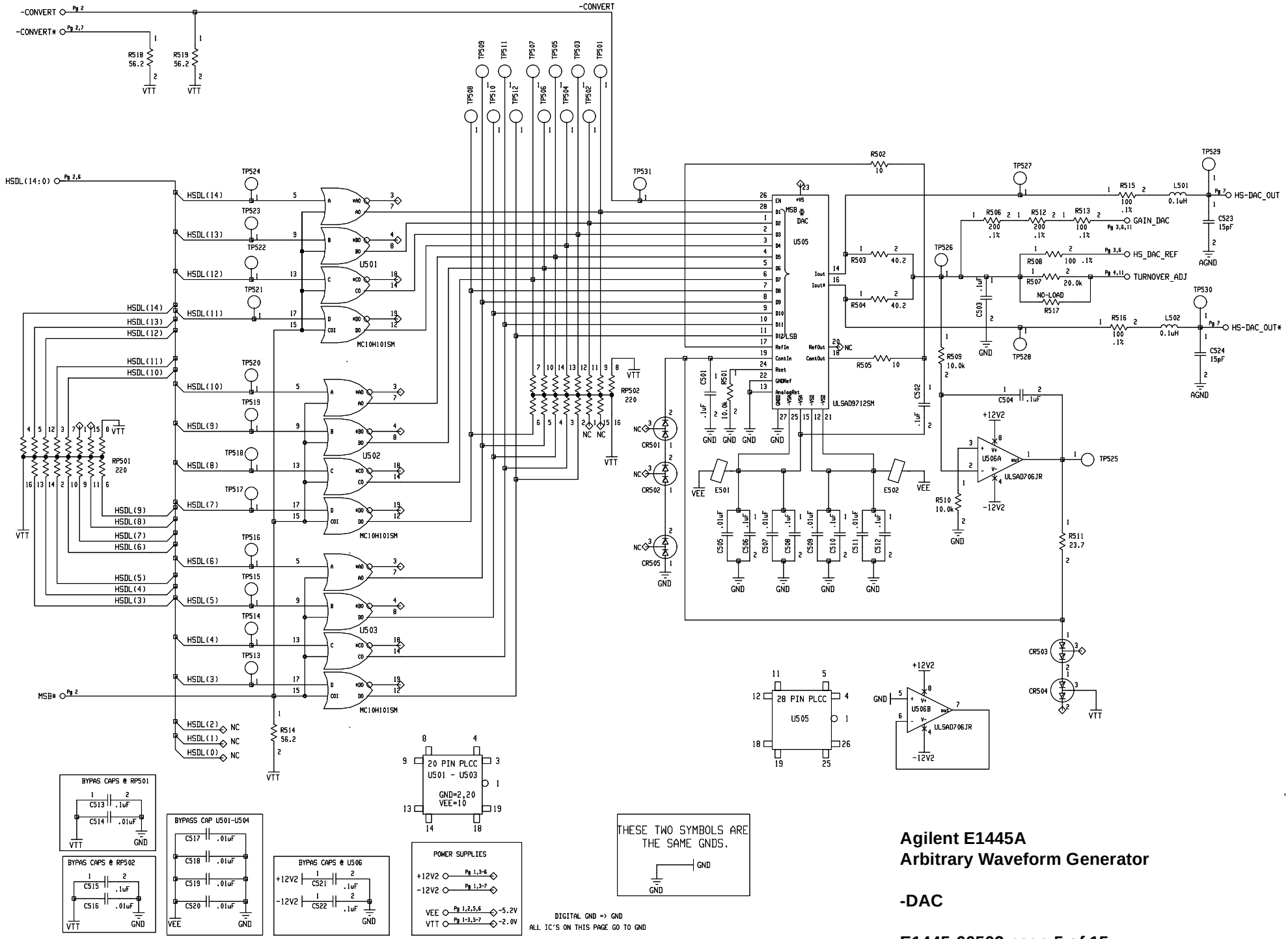






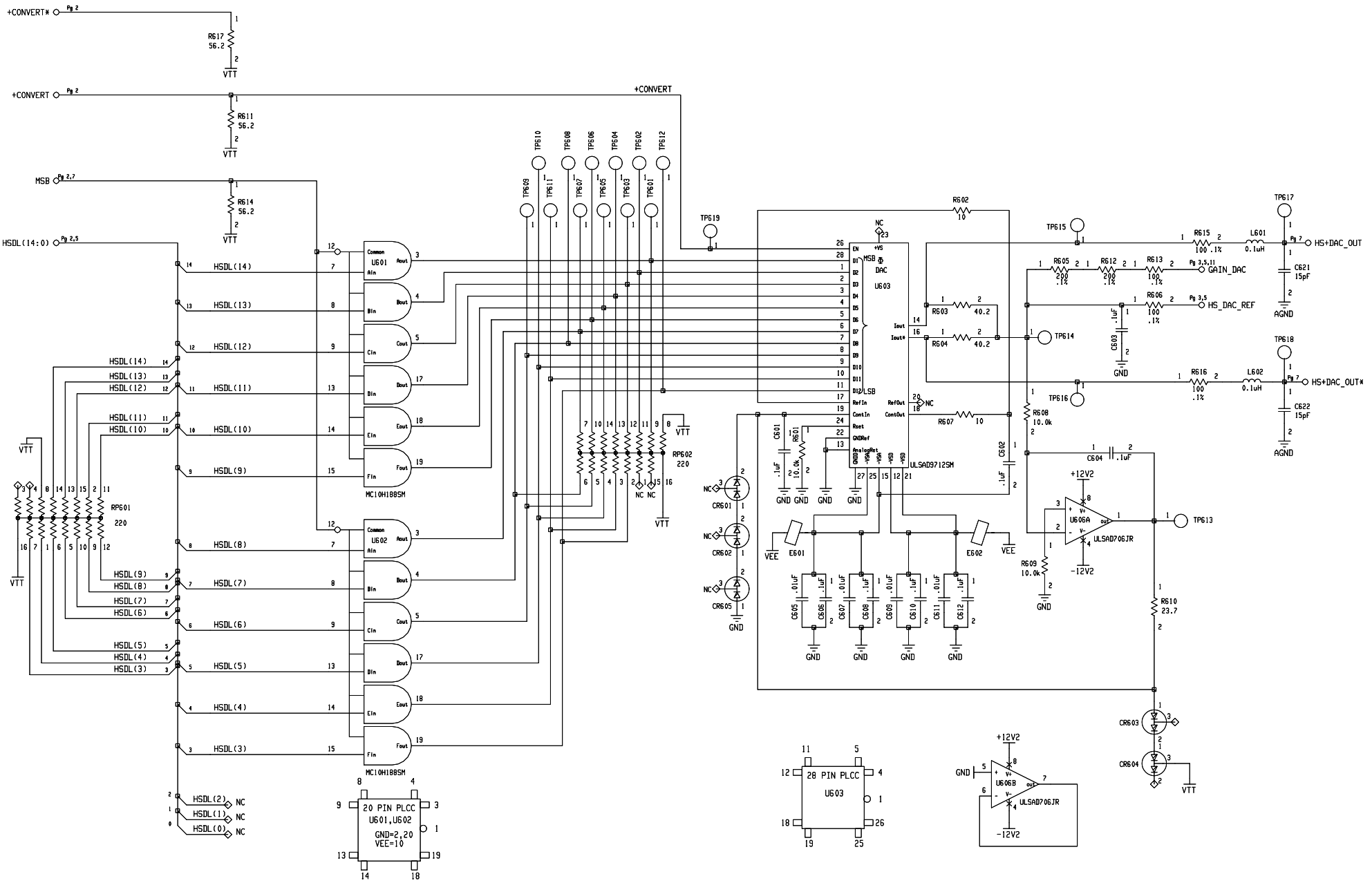
Agilent E1445A
Arbitrary Waveform Generator

Offset Current Section



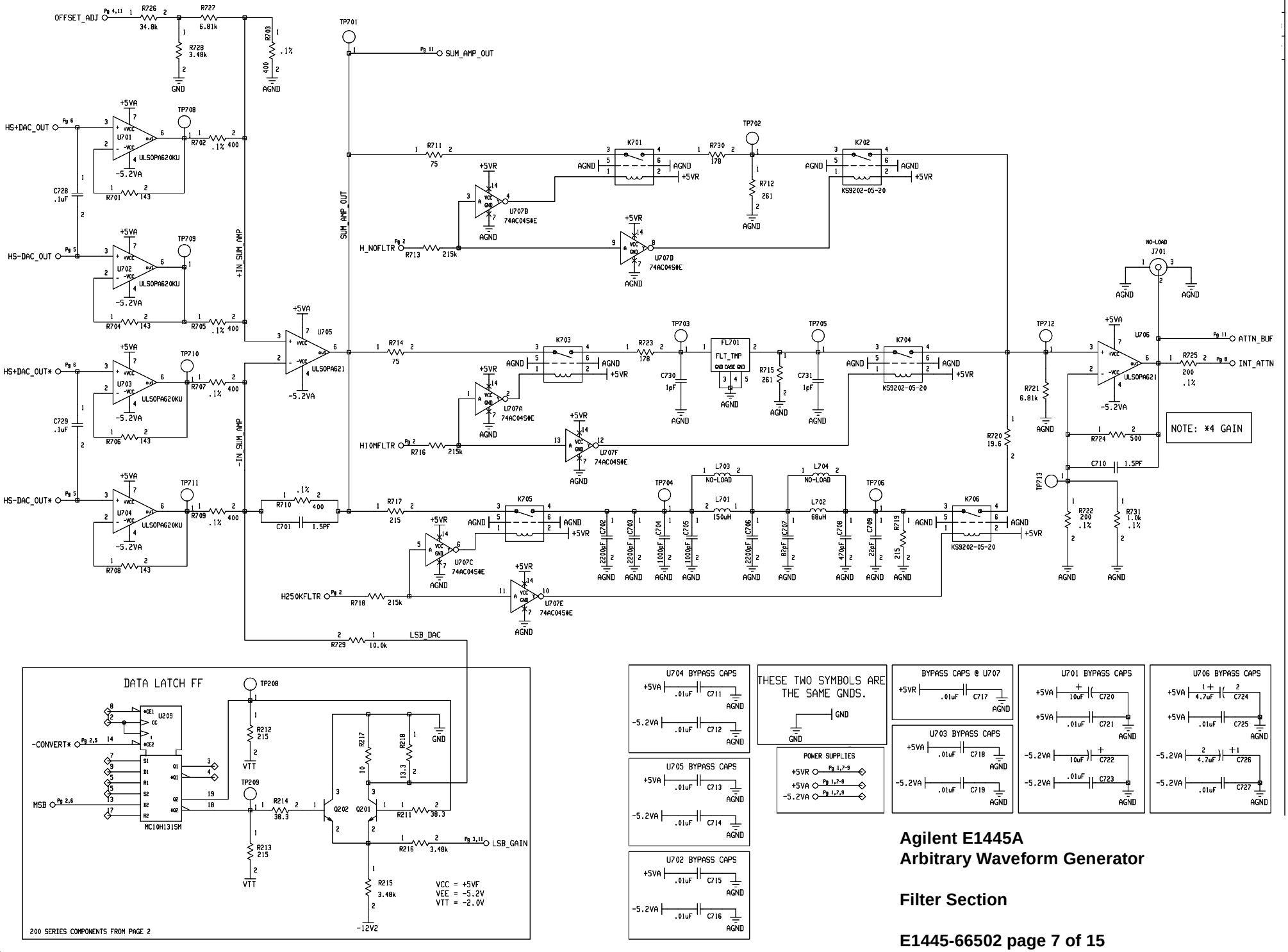
Agilent E1445A
Arbitrary Waveform Generator

-DAC



Agilent E1445A
Arbitrary Waveform Generator

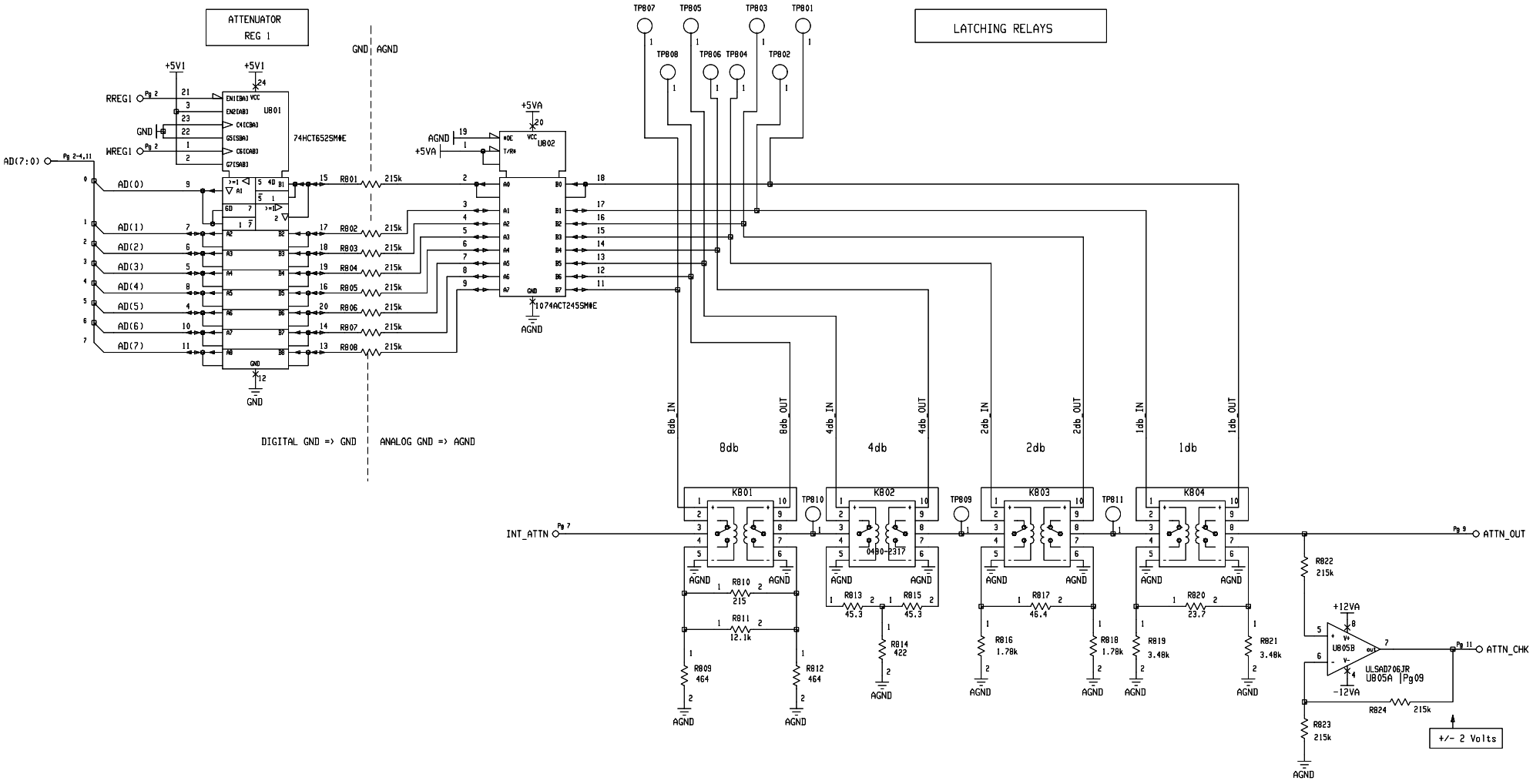
+DAC

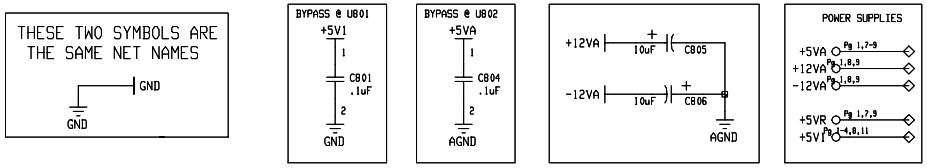


Agilent E1445A
Arbitrary Waveform Generator

Filter Section

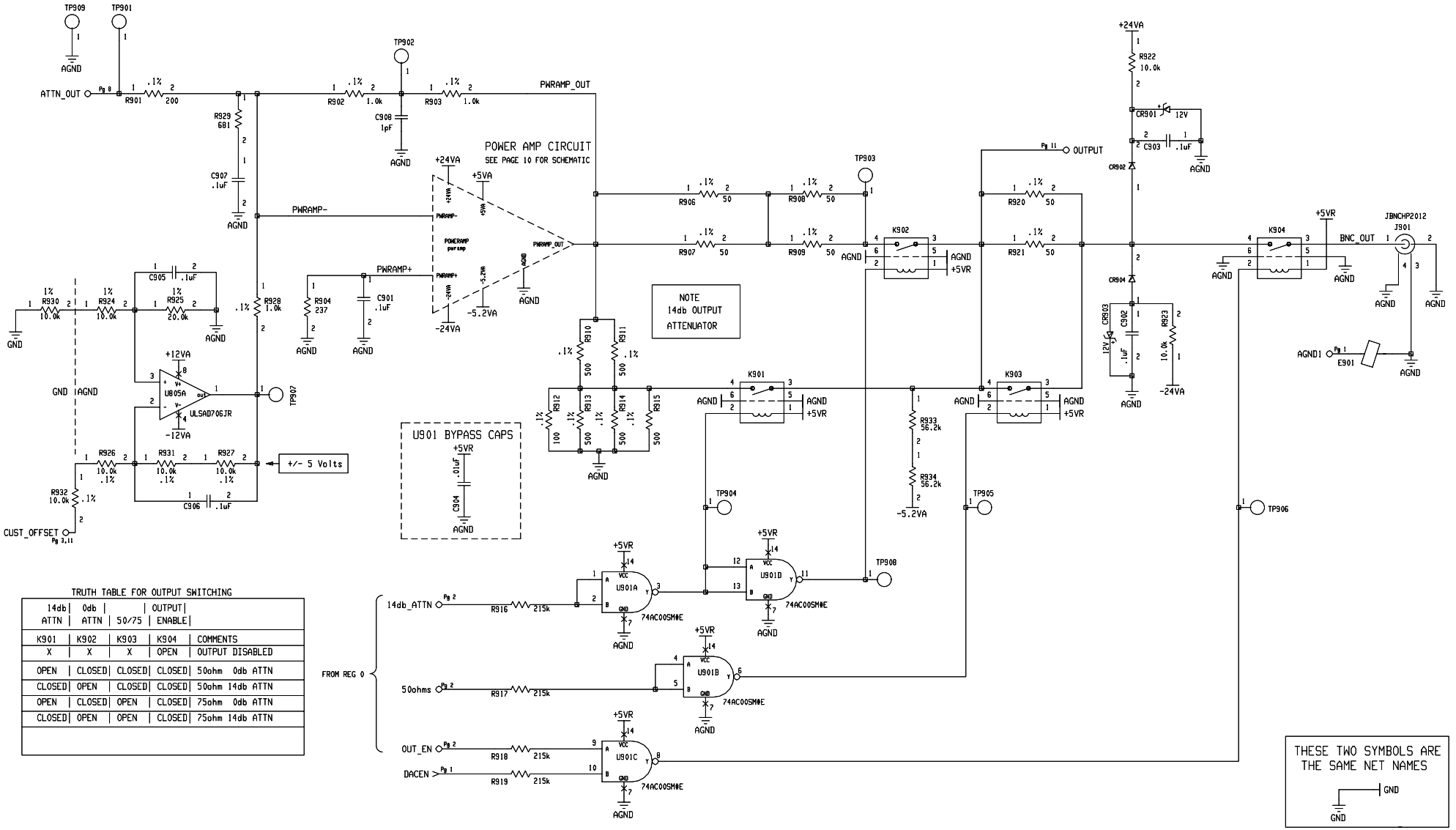
E1445-66502 page 7 of 15





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Arbitrary Waveform Generator

Attenuator



TRUTH TABLE FOR OUTPUT SWITCHING

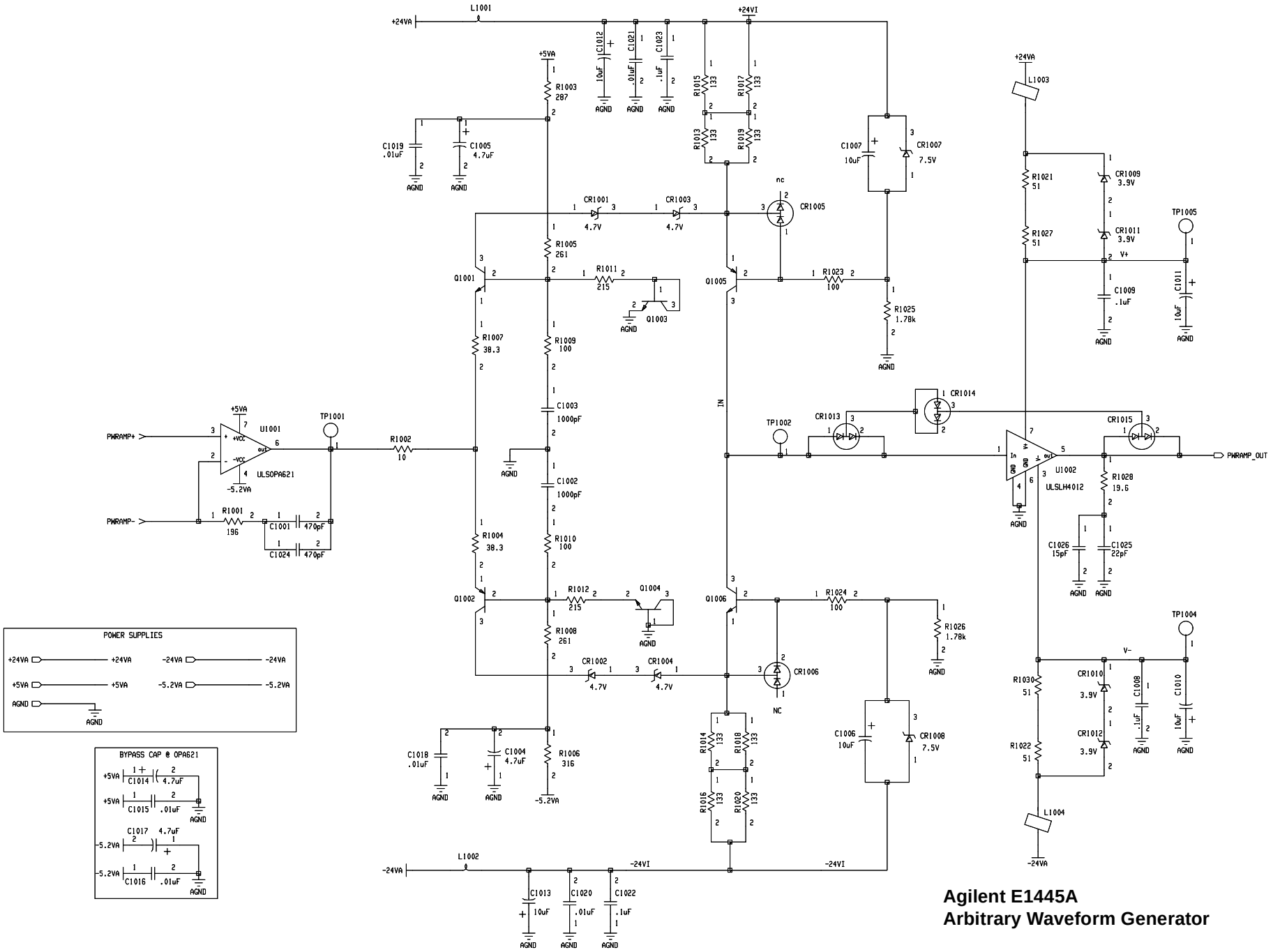
14db ATTN	0db ATTN	50/75	OUTPUT ENABLE	
K901	K902	K903	K904	COMMENTS
X	X	X	OPEN	OUTPUT DISABLED
OPEN	CLOSED	CLOSED	CLOSED	50ohm 0db ATTN
CLOSED	OPEN	CLOSED	CLOSED	50ohm 14db ATTN
OPEN	CLOSED	OPEN	CLOSED	75ohm 0db ATTN
CLOSED	OPEN	OPEN	CLOSED	75ohm 14db ATTN

STATIC GND = ZAPGND
DIGITAL = GND
ANALOG = AGND
SPECIAL POWER SUPPLIES

-24VA Pg 1,9
+24VA Pg 1,9
-5.2VA Pg 1,7,9
+5VA Pg 1,7-9
+5VR Pg 1,7-9

Agilent E1445A
Arbitrary Waveform Generator

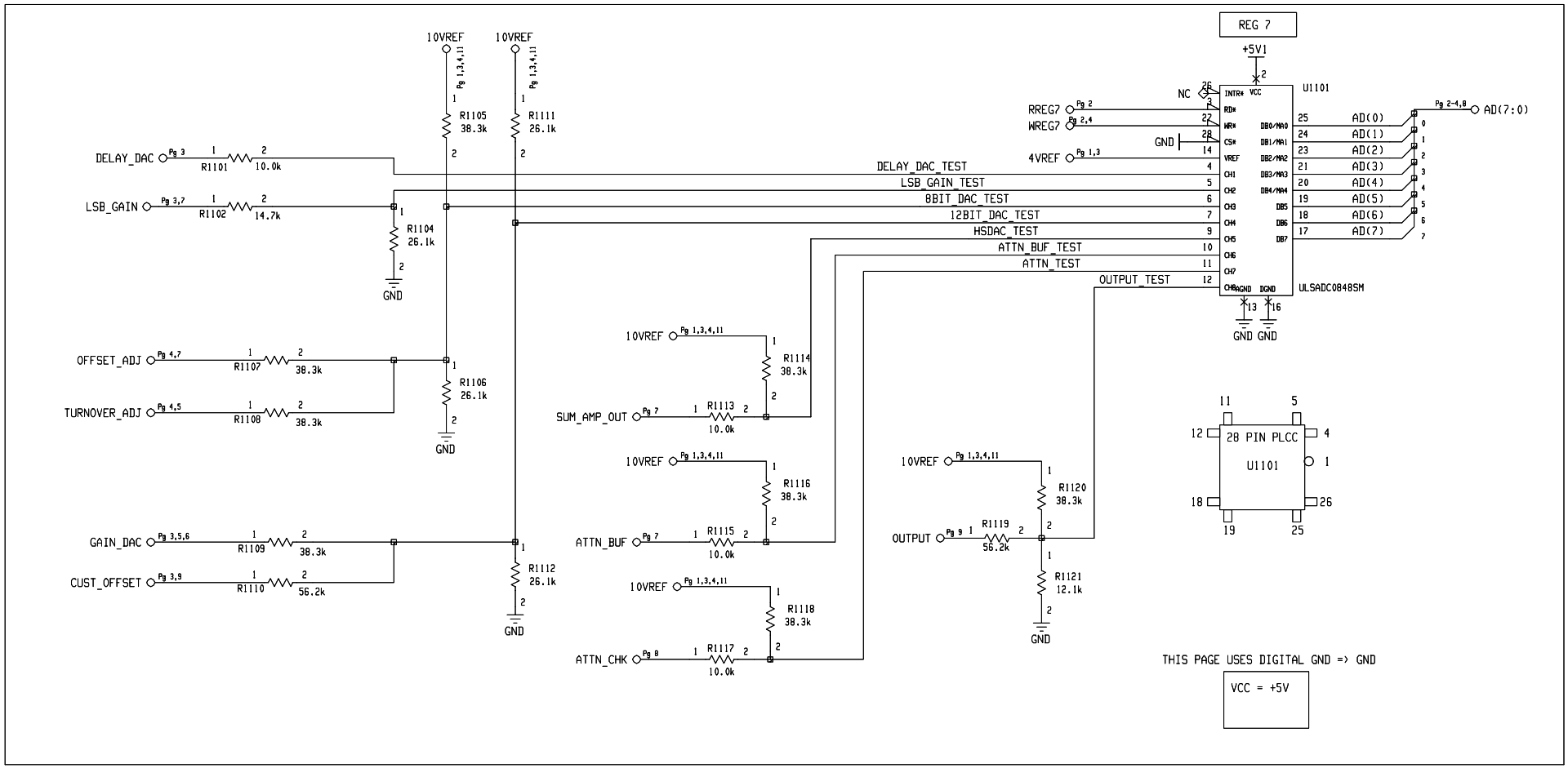
Analog



Agilent E1445A
Arbitrary Waveform Generator

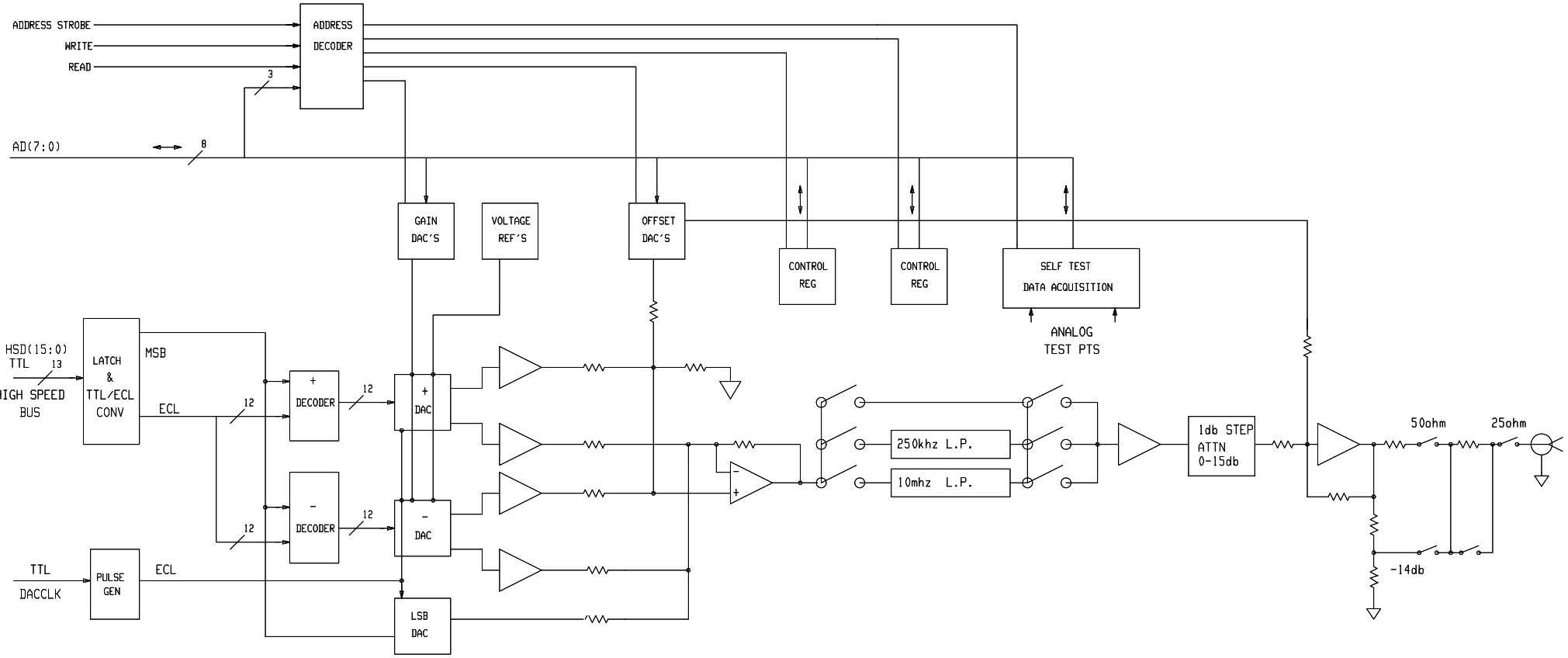
Power Amplifier

E1445-66502 page 10 of 15



Agilent E1445A
Arbitrary Waveform Generator

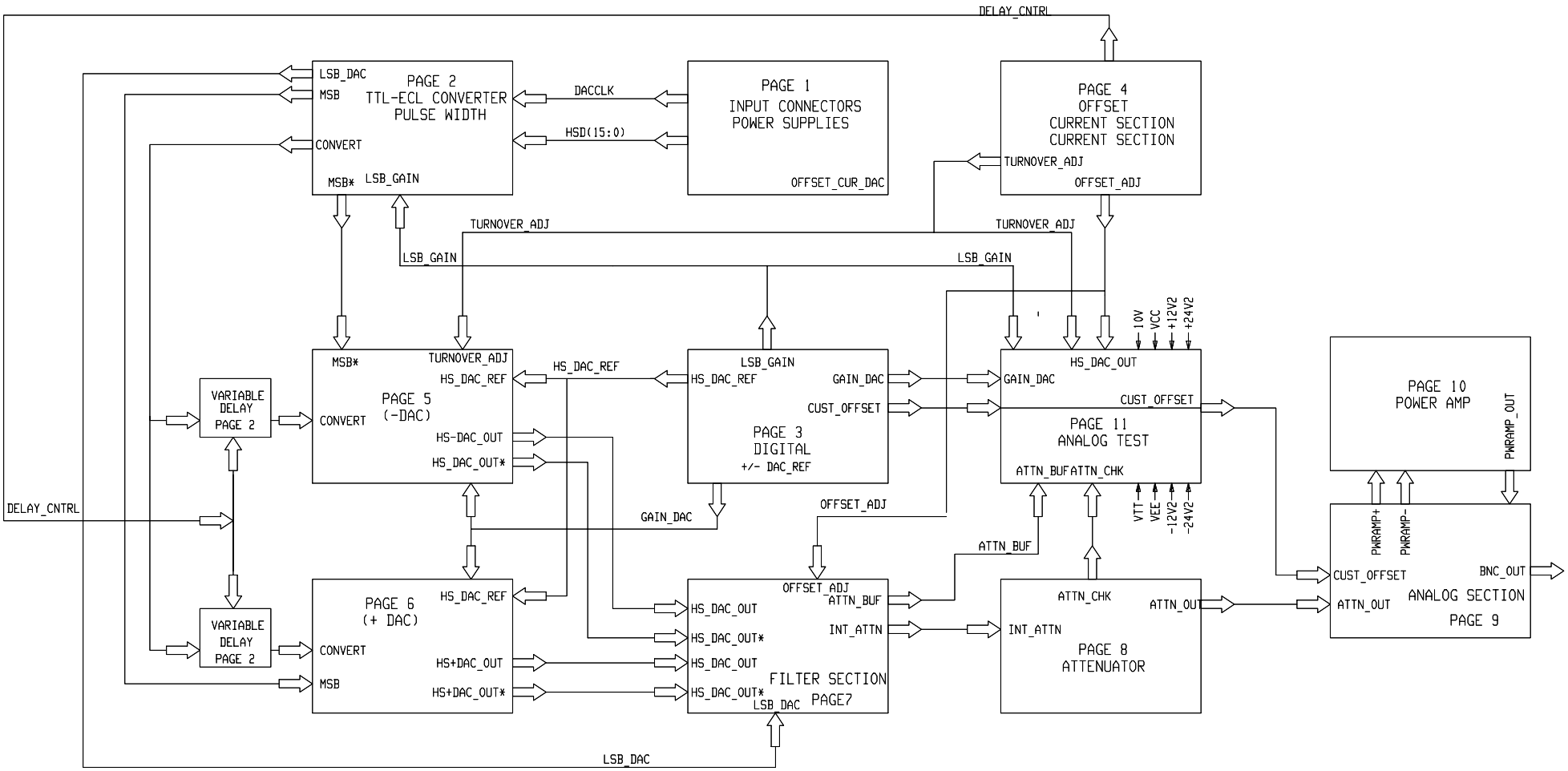
Analog Test



Agilent E1445A
Arbitrary Waveform Generator

Analog Block

E1445-66502 page 12 of 15



Agilent E1445A
Arbitrary Waveform Generator

Major Signal Flowchart

E501	1	2550	-6550
E502	1	3700	-6550
E601	1	350	-6550
E602	1	925	-6725
E901	1	7000	-1225
FL701	1	575	-2675
J101	1	7092	-2527.3
J102	1	7092	-5937.3
J701	1	3800	-2200
J901	1	260	-1058.1
JM101	1	50	-8100
JM102	1	5775	25
JM103	1	6700	-8050
JM104	1	500	-1975
C101	1	6100	25
C102	1	6350	-4200
C103	1	6350	-4450
C201	1	6300	-3925
C202	1	5100	-6950
C203	1	5800	-7550
C204	1	5450	-7550
C205	1	4150	-7600
C206	1	4750	-6800
C207	1	6225	-5950
C208	1	6425	-6900
C209	1	6225	-6050
C210	1	6425	-7000
C211	1	5250	-8175
C212	1	5000	-8050
C213	1	4725	-8400
C214	1	4725	-8300
C215	1	6075	-8000
C216	1	3900	-7825
C217	1	3625	-7975
C218	1	5225	-7850
C219	1	4775	-7825
C220	1	4775	-7725
C221	1	4625	-7725
C222	1	3900	-7725
C223	1	3625	-7500
C301	1	4250	-5350
C302	1	3400	-4450
C303	1	3800	-5150
C304	1	5400	-3900
C305	1	4650	-4950
C306	1	4100	-4550
C307	1	4100	-4750
C308	1	4100	-4450
C309	1	4100	-4650
C310	1	5775	-5775
C311	1	3100	-4850
C312	1	2775	-5150
C313	1	3400	-4350
C314	1	2775	-4850
C401	1	5550	-6700
C402	1	4600	-6200
C403	1	4600	-5600
C404	1	4600	-5500
C405	1	6400	-4725
C406	1	6400	-4625
C501	1	2600	-5850
C502	1	2350	-5750
C503	1	3100	-5550
C504	1	2100	-6250
C505	1	2600	-6300
C506	1	2600	-6400
C507	1	2800	-5500
C508	1	2800	-5400
C509	1	3400	-5750
C510	1	3400	-5650
C511	1	2600	-6000
C512	1	2600	-6100
C513	1	3350	-7500
C514	1	3350	-7600
C515	1	3700	-5750
C516	1	3700	-5650
C517	1	2000	-7500
C518	1	2650	-7500
C519	1	3300	-6600
C520	1	4150	-7500
C521	1	1950	-5850
C522	1	1875	-6250
C523	1	1200	-4825
C524	1	1750	-4825
C601	1	350	-5850
C602	1	125	-5750
C603	1	875	-5550
C604	1	125	-5600
C605	1	350	-6300
C606	1	350	-6400
C607	1	1150	-5850
C608	1	600	-5375
C609	1	1175	-5750
C610	1	1175	-5650
C611	1	350	-6100
C612	1	350	-6000
C613	1	1300	-7450
C614	1	900	-7250
C615	1	1450	-5650
C616	1	1450	-5750
C617	1	1400	-6650
C618	1	550	-6650
C619	1	250	-5200
C620	1	600	-5500
C621	1	625	-4825
C622	1	2325	-4825
C701	1	1525	-3825
C702	1	1850	-3150
C703	1	1850	-3275
C704	1	1575	-3150
C705	1	1575	-3275
C706	1	2125	-3275
C707	1	2100	-3150
C708	1	3125	-3450
C709	1	3350	-3550
C710	1	3650	-2500
C711	1	2375	-4300
C712	1	2025	-4725
C713	1	1750	-3925
C714	1	1475	-4325
C715	1	1475	-4425
C716	1	925	-4725
C717	1	3125	-3650
C718	1	2025	-4575
C719	1	1500	-4825
C720	1	2000	-4200
C721	1	925	-4575
C722	1	725	-4225
C723	1	600	-4850
C724	1	3900	-2900
C725	1	4150	-2900
C726	1	3600	-3050
C727	1	3600	-2900
C728	1	925	-4825
C729	1	2025	-4825
C730	1	725	-2950
C731	1	2125	-2650
C801	1	5350	-3000
C804	1	4250	-3100
C805	1	5700	-450
C806	1	5450	-1000
C901	1	5350	-1500
C902	1	425	-175
C903	1	650	-175
C904	1	850	-1825
C905	1	5375	-800
C906	1	5375	-525
C907	1	5125	-1400
C908	1	5125	-1300
C1001	1	5975	-1500
C1002	1	4575	-1150
C1003	1	4200	-1150
C1004	1	4275	-1775
C1005	1	3900	-1775
C1006	1	4550	25
C1007	1	3700	25
C1008	1	3650	-2125
C1009	1	3650	-2000
C1010	1	3300	-2225
C1011	1	3300	-2000
C1012	1	4125	25
C1013	1	4975	25
C1014	1	5975	-1250
C1015	1	5975	-1400
C1016	1	5350	-1600
C1017	1	5275	-1775
C1018	1	4275	-1650
C1019	1	3650	-1775
C1020	1	4675	-150
C1021	1	3850	-150
C1022	1	4950	-150
C1023	1	4125	-150
C1024	1	5975	-1600
C1025	1	2625	-1775
C1026	1	2625	-1675
CR201	1	3625	-8125
CR202	1	3900	-7575
CR301	1	4300	-5150
CR401	1	4900	-5500
CR501	1	2300	-6500
CR502	1	2100	-6400
CR503	1	2300	-6050
CR504	1	2300	-6300
CR505	1	1850	-6400
CR601	1	50	-6550
CR602	1	50	-6750
CR603	1	50	-6150
CR604	1	50	-6350
CR605	1	250	-6750
CR901	1	1775	-350
CR902	1	1325	-375
CR903	1	475	-400
CR904	1	900	-375
CR1001	1	4350	-975
CR1002	1	5125	-975
CR1003	1	4350	-775
CR1004	1	5125	-600
CR1005	1	4125	-475
CR1006	1	4950	-475
CR1007	1	3575	-250
CR1008	1	4400	-250
CR1009	1	2225	75
CR1010	1	2925	75
CR1011	1	2575	75
CR1012	1	3275	75
CR1013	1	3725	-1000
CR1014	1	3700	-775
CR1015	1	3575	-600
K701	1	900	-3500
K702	1	2750	-2850
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K801	1	4400	-2200
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K903	1	900	-1250
K904	1	900	-1600
L101	1	6800	25
L102	1	6700	-4250
L103	1	6700	-4450
L105	1	6700	-4050
L201	1	5025	-8175
L202	1	4750	-8175
L203	1	3900	-7950
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U805	1	5675	-725
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P607	10	650	-7200

E1445-63502 Thu Oct 31 14:16:46 MST 1991

Locations of parts on PCBoard

Ref. Des.	Layer	X	Y
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COMP = # 1 CIRCUIT = # 10

Agilent E1445A
Arbitrary Waveform Generator

X-Y Component Locator

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U1001	Pg10
U901 D	Pg09
U901 C	Pg09
U901 B	Pg09
U901 A	Pg09
U805 B	Pg08
U805 A	Pg09
U802	Pg08
U801	Pg08
U707 F	Pg07
U707 E	Pg07
U707 D	Pg07
U707 C	Pg07
U707 B	Pg07
U707 A	Pg07
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U705	Pg07
U704	Pg07
U703	Pg07
U702	Pg07
U701	Pg07
U606 B	Pg06
U606 A	Pg06
U603	Pg06
U602	Pg06
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U506 B	Pg05
U506 A	Pg05
U505	Pg05
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U501	Pg05
U406 B	Pg04
U406 A	Pg04
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U404 B	Pg04
U404 A	Pg04
U403 B	Pg04
U403 A	Pg04
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U401 A	Pg04
U308	Pg03
U307 B	Pg03
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U303 A	Pg03
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U210 C	Pg02
U210 B	Pg02
U210 A	Pg02
U209	Pg07
U208 C	Pg02
U208 B	Pg02
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U207 C	Pg02
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C101	Pg01

C1022	Pg10
C1021	Pg10
C1020	Pg10
C1019	Pg10
C1018	Pg10
C1017	Pg10

Pg 1 - CONN/PWRSUPPLIES
Pg 2 - TTL-ECL

Pg 3 - DIG/+/-DAC_REF
Pg 4 - OFFSET CURRENT
Pg 5 - (-DAC)
Pg 6 - (+DAC)
Pg 7 - FILTER
Pg 8 - ATTN
Pg 9 - ANALOG/TOP OF HIERARCHI
Pg 10 - ::RESERVED FOR PWRAMP
Pg 11 - ANALOG TEST
Pg 12 - ANALOG BLOCK DIAGRAM
Pg 13 - PAGE/BLOCK
Pg 14 - XY
Pg 15 - REF-PAGE

Agilent E1445A
Arbitrary Waveform Generator

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Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
BAG1	1	9222-1440	POUCH-STAT-DISS-CNDCT PE	9222-1440 PACK 66	MAINE POLY SPECIALTY ENTERPRISES
C1001, C1024, C401, C708	4	0160-6096	CAP-FXD 470pF +-5pct 50 V CER C0G	12065A471JAT A C1206C471J5GAC C3216COG1H471J GRM3165C1H471JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C1002, C1003, C704, C705	4	0160-6100	CAP-FXD 1000pF +-5pct 50 V CER C0G	12065A102JAT A C1206C102J5GAC C3216CH1H102J GRM3195C1H102JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C1004, C1005, C1014, C1017, C724, C726	6	0180-3744	CAP-FXD 4.7uF +-20PCT 10V TA	TAJB475M010 293D475X0010B2E3 ESVB21A475M SK-1A475M-RB T491B475M010AS	AVX VISHAY NEC ELECTRONICS ELNA KEMET ELECTRONICS
C1006, C1007, C101, C1010-C1013, C102, C103, C720, C722, C805, C806	13	0180-4287	CAP-FXD 10uF +-20PCT 35V TA	TAJD106M035 293D106X0035D2WE3 ESVD1V106M	AVX VISHAY NEC ELECTRONICS
C1008, C1009, C1022, C1023, C201, C203, C215, C301, C303-C314, C402-C406, C501-C504, C506, C508, C510, C512, C513, C515, C521, C522, C601-C604, C606, C608, C610, C612, C613, C615, C617, C619, C620, C728, C729, C801, C804, C901-C903, C905-C907	60	0160-6497	CAP-FXD 0.1uF +-10pct 50 V CER X7R	12065C104KAT A 2238 581 15649 C1206C104K5RAC C3216X7R1H104KT GRM319R71H104KA01D VJ1206Y104KXAMT	AVX YAGEO KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C1015, C1016, C1018-C1021, C202, C204-C210, C216, C217, C222, C223, C505, C507, C509, C511, C514, C516-C520, C605, C607, C609, C611, C614, C616, C618, C711-C719, C721, C723, C725, C727, C904	49	0160-6736	CAP-FXD 0.01uF +-10pct 50 V CER X7R	12065C103KAT A C1206C103K5RAC C3216X7R1H103K GRM316R71H103KD01D VJ1206Y103KXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
C1025, C214, C221, C709	4	0160-5961	CAP-FXD 22pF +-5pct 50 V CER C0G	08055A220JAT A C0805C220J5GAC C2012COG1H220J GRM2165C1H220JD01D VJ0805A220JXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C1026, C212, C213, C219, C220, C523, C524, C621, C622	9	0160-5962	CAP-FXD 15pF +-5pct 50 V CER C0G	08055A150JAT A C0805C150J5GAC C2012COG1H150J GRM2165C1H150JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C211, C218, C730, C731, C908	5	0160-5942	CAP-FXD 1pF +-0.25pF 50 V CER C0G 2012	08051A1R0CAT A C0805C109C5GAC C2012C0G1H010C GRM2165C1H1R0CD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C302, C707	2	0160-5968	CAP-FXD 82pF +-5pct 50 V CER C0G	08051A820JAT A C0805C820J5GAC C2012COG1H820J GRM2165C1H820JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C701, C710	2	0160-5979	CAP-FXD 1.5pF +-16.67pct 50 V CER C0G	08055A1R5CAT A C0805C159C5GAC C2012COG1H1R5C GRM2165C1H1R5CD01D GRM40-001COG1R5C050	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING N TOOL AND DIE
C702, C703, C706	3	0160-6104	CAP-FXD 2200pF +-5pct 50 V CER C0G	12065A222JATRA C1206C222J5GAC C3216C0G1H222J GRM3195C1H222JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
CR1001-CR1004	4	1902-1565	DIODE-ZNR 4.7V 5pct TO-236 (SOT-23)	BZX84-C4V7 BZX84C4V7LT1G BZX84-C4V7	PHILIPS ON SEMICONDUCTOR NXP
CR1005, CR1006, CR1013-CR1015, CR501-CR505, CR601-CR605	15	1906-0291	DIODE-DUAL 70V 100MA T0-236AA	BAV99 BAV99 BAV99LT1G BAV99_____X_ BAV99	PHILIPS FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR INFINEON TECHNOLOGIES NXP

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
CR1007, CR1008	2	1902-1512	DIODE-ZNR 7.5V 5pct TO-236 (SOT-23)	BZX84C7V5LT1G BZX84C7V5 BZX84C7V5	ON SEMICONDUCTOR PHILIPS NXP
CR1009, CR1010, CR1011, CR1012	4	1902-1603	DIODE-ZNR 3.9V 5pct PD=1.5W IR=25UA	1SMB5915B__G	ON SEMICONDUCTOR
CR201, CR202	2	0122-0172	DIODE-VVC 29PF 10pct C 3/C25-MIN=5	BBY40 MMBV109LT1G BBY40	PHILIPS ON SEMICONDUCTOR NXP
CR301, CR401	2	1902-1544	DIODE-ZNR 10V 5PCT TO-236(SOT-23) PD-.35	BZX84C10 BZX84C10LT1G BZX84C10	PHILIPS ON SEMICONDUCTOR NXP
CR901, CR903	2	1901-1339	DIODE-V-SUPPR DO-214AB	SMCJ12-E3/57T	VISHAY
CR902, CR904	2	5185-8472	Lifetime buy for 1901-1386		
CR902, CR904a	1	1901-1386	DIODE-SWITCHING 100V 1A	BAS78B	OSRAM
E501, E502, E601, E602, E901, L1003, L1004	7	9170-1421	CORE-SHIELDING BEAD IMAX 1500MA	MI1210K600R-10	STEWARD
FL701	1	9135-0455	FILTER-LOW PASS PC PIN-TERMS	2045	KR ELECTRONICS
HSQ1005, HSQ1006	2	1205-1295	HEAT SINK TO-5/TO-39-CS ; HEAT SINK ; FOR	1205-1295 TXBF-032-025B	INTL ELECTRONIC RESEARCH CTS
J101, J102	2	1252-4572	CONN-POST TYPE .050-PIN-SPCG-MTG-END	5-104550-8	TYCO ELECTRONICS AMP
J901	1	1250-2012	CONNECTOR-RF BNC FEMALE PC-W-STDFS	5227676-1	TYCO ELECTRONICS AMP
K701-K706, K901-K904	10	0490-1775	RELAY-REED 1A 1A 200VDC 5VDC-COIL	9200-0055	COTO WABASH
K801, K802, K803, K804	4	0490-2317	RELAY 2C 5VDC-COIL 1A 110VDC	TQ2SA-L2-5V	MATSUSHITA
L1001, L1002, L102, L103, L105	5	9170-1431	CORE-SHIELDING BEAD	HF50ACB-453215	TDK
L101	1	9140-1113	INDUCTOR 10uH +-5pct 3.4W-mmX4.8LG-mm C	SMRF1812-102J	GOWANDA ELECTRONICS
L201, L205	2	9140-1098	INDUCTOR 150nH +-5pct 2.8W-mmX3.4LG-mm	NLV32T-R15J -PF KL32T___R15J	TDK KOA
L202, L206	2	9140-1100	INDUCTOR 330nH +-5pct 2.8W-mmX3.4LG-mm	NLV32T-R33J-PF KL32T___R33J	TDK KOA
L203, R206, R817	3	0699-1360	RESISTOR 46.4 +-1pct .125W TKF TC=0+-100	CRCW120646R4FKE_ RK73H2BT_46R4F MCR18___F46R4 232272464649	VISHAY KOA ROHM YAGEO
L204, L501, L502, L601, L602	5	9140-1206	INDUCTOR 100nH +-5pct 2.8W-mmX3.4LG-mm	NLV32T-R10J-PF KL32T___R10J	TDK KOA

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
L701	1	9100-1639	INDUCTOR RF-CH-MLD 150uH +-5pct	1537-84 15M153J IM-4 150UH 5%	AMERICAN PRECISION INDUSTRIES GOWANDA ELECTRONICS VISHAY
L702	1	9100-1633	INDUCTOR RF-CH-MLD 68uH +-5pct	1537-68 15M682J IM-4 68UH 5%	AMERICAN PRECISION INDUSTRIES GOWANDA ELECTRONICS VISHAY
LBL1	1	9320-6241	LBL-PG-PTR; .625-IN-WD X .25-IN-LG	9320-6241	BRADY
LBL2	1	7121-0850	LABEL-ANTISTATIC 1.81-IN-WD 2.5-IN-LG	7101 7101 7121-0850	R S HUGHES 3M GM NAMEPLATE
LBL3	1	7121-5729	LBL-LNE-PTR; 1.5-IN-WD X .25-IN-LG	THT-45-457-10	BRADY
MP1	1	0380-1958	STANDOFF-HEX 6-MM-LG M3.0 X 0.5-THD	BR5172-06-35	LYN-TRON
MP2	1	0590-1445	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	CKF2-M3-ET KF2-M3-ET	CAPTIVE FASTENER PENN ENGINEERING & MFG
PCB1	1	E1445-26502	PC BLNK SMT	E1445-26502	SANMINA-SCI
Q1001, Q1006	2	5961-3088	LTB OF 1854-1114		
Q1001, Q1006a	1	1854-1114	TRANSISTOR NPN SI TO-39 PD 3.5W FT 1GHZ		
Q1002, Q1005	2	5065-6691	LTB FOR E1445-66502		
Q1002, Q1005a	1	1853-0625	TRANSISTOR PNP SI TO-39 PD=3.5W FT=1GH	MRF545	MICROSEMI
Q1003, Q1004, Q302	3	1854-1037	TRANSISTOR NPN SI TO-236AA PD=350MW	MMBT3904 SST3904T116 MMBT3904LT1G	FAIRCHILD SEMICONDUCTOR ROHM ON SEMICONDUCTOR
Q201, Q202	2	1854-1148	TRANSISTOR NPN SI SOT-23 (TO-236AB)	MMBTH10 MMBTH10LT1G	FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR
Q203	1	1855-0734	TRANSISTOR MOSFET 2N7002 N-CHAN E-MO	2N7002-T1-E3 2N7002 2N7002 SN7002N_____X_ 2N7002	VISHAY FAIRCHILD SEMICONDUCTOR PHILIPS INFINEON TECHNOLOGIES NXP
Q301	1	1853-0567	TRANSISTOR PNP SI SOT-23 (TO-236AB)	MMBT3906 SST3906T116 MMBT3906LT1G	FAIRCHILD SEMICONDUCTOR ROHM ON SEMICONDUCTOR

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R1001	1	0699-1422	RESISTOR 196 +-1pct .125W TKF TC=0+-100	CRCW1206196RFKE_ RK73H2BT_1960F MCR18___F1960 232272461961L	VISHAY KOA ROHM YAGEO
R1002, R217, R228, R229, R230, R231, R408, R502, R505, R602, R607	11	0699-1344	RESISTOR 10 +-1pct .125W TKF TC=0+-100	CRCW120610R0FKE_ RK73H2BT_10R0F MCR18___F10R0 232272461009L	VISHAY KOA ROHM YAGEO
R1003	1	0699-1426	RESISTOR 287 +-1pct .125W TKF TC=0+-100	CRCW1206287RFKE_ RK73H2BT_2870F MCR18___F2870 232272462871	VISHAY KOA ROHM YAGEO
R1004, R1007, R104, R211, R214	5	0699-1358	RESISTOR 38.3 +-1pct .125W TKF TC=0+-100	CRCW120638R3FKE_ RK73H2BT_38R3F MCR18___F38R3 232272463839	VISHAY KOA ROHM YAGEO
R1005, R1008, R712, R715	4	0699-1425	RESISTOR 261 +-1pct .125W TKF TC=0+-100	CRCW1206261RFKE_ RK73H2BT_2610F MCR18___F2610 232272462611L	VISHAY KOA ROHM YAGEO
R1006	1	0699-1427	RESISTOR 316 +-1pct .125W TKF TC=0+-100	CRCW1206316RFKE_ RK73H2BT_3160F MCR18___F3160 232272463161	VISHAY KOA ROHM YAGEO
R1009, R1010, R1023, R1024, R203, R221	6	0699-1415	RESISTOR 100 +-1pct .125W TKF TC=0+-100	CRCW1206100RFKE_ RK73H2BT_1000F MCR18___F1000 232272461001L	VISHAY KOA ROHM YAGEO
R101, R1011, R1012, R102, R212, R213, R301, R322, R717, R719, R810	11	0699-1423	RESISTOR 215 +-1pct .125W TKF TC=0+-100	CRCW1206215RFKE_ RK73H2BT_2150F MCR18___F2150 232272462151L	VISHAY KOA ROHM YAGEO

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020	8	0699-1418	RESISTOR 133 +-1pct .125W TKF TC=0+-100	CRCW1206133RFKE_ RK73H2BT_1330F MCR18___F1330 232272461331	VISHAY KOA ROHM YAGEO
R1021, R1022, R1027, R1030	4	0699-2859	RES-FXD 51 OHM +-5PCT 1W TC 0+-200	CRCW251251R0JNE_ RK73B3AT__510J MCR100___J510	VISHAY KOA ROHM
R1025, R1026, R816, R818	4	0699-1374	RESISTOR 1.78K +-1pct .125W TKF TC=0+-100	CRCW12061K78FKE_ RK73H2BT_1781F MCR18___F1781 232272461782L	VISHAY KOA ROHM YAGEO
R1028, R720	2	0699-1351	RESISTOR 19.6 +-1pct .125W TKF TC=0+-100	CRCW120619R6FKE_ RK73H2BT_19R6F MCR18___F19R6	VISHAY KOA ROHM
R1101, R1113, R1115, R1117, R224, R225, R226, R227, R311, R327, R404, R405, R501, R509, R510, R601, R608, R609, R729, R922, R923, R924, R930	23	0699-1391	RESISTOR 10K +-1pct .125W TKF TC=0+-100	CRCW120610K0FKE_ RK73H2BT_1002F MCR18___F1002 232272461003L	VISHAY KOA ROHM YAGEO
R1102, R315, R326	3	0699-1394	RESISTOR 14.7K +-1pct .125W TKF TC=0+-100	CRCW120614K7FKE_ RK73H2BT_1472F MCR18___F1472 232272461473L	VISHAY KOA ROHM YAGEO
R1104, R1106, R1111, R1112	4	0699-1400	RESISTOR 26.1K +-1pct .125W TKF TC=0+-100	CRCW120626K1FKE_ RK73H2BT_2612F MCR18___F2612 232272462613L	VISHAY KOA ROHM YAGEO
R1105, R1107, R1108, R1109, R1114, R1116, R1118, R1120	8	0699-1405	RESISTOR 38.3K +-1pct .125W TKF TC=0+-100	CRCW120638K3FKE_ RK73H2BT_3832F MCR18___F3832 232272463833L	VISHAY KOA ROHM YAGEO
R1110, R1119, R314, R406, R407, R933, R934	7	0699-1409	RESISTOR 56.2K +-1pct .125W TKF TC=0+-100	CRCW120656K2FKE_ RK73H2BT_5622F MCR18___F5622 232272465623	VISHAY KOA ROHM YAGEO

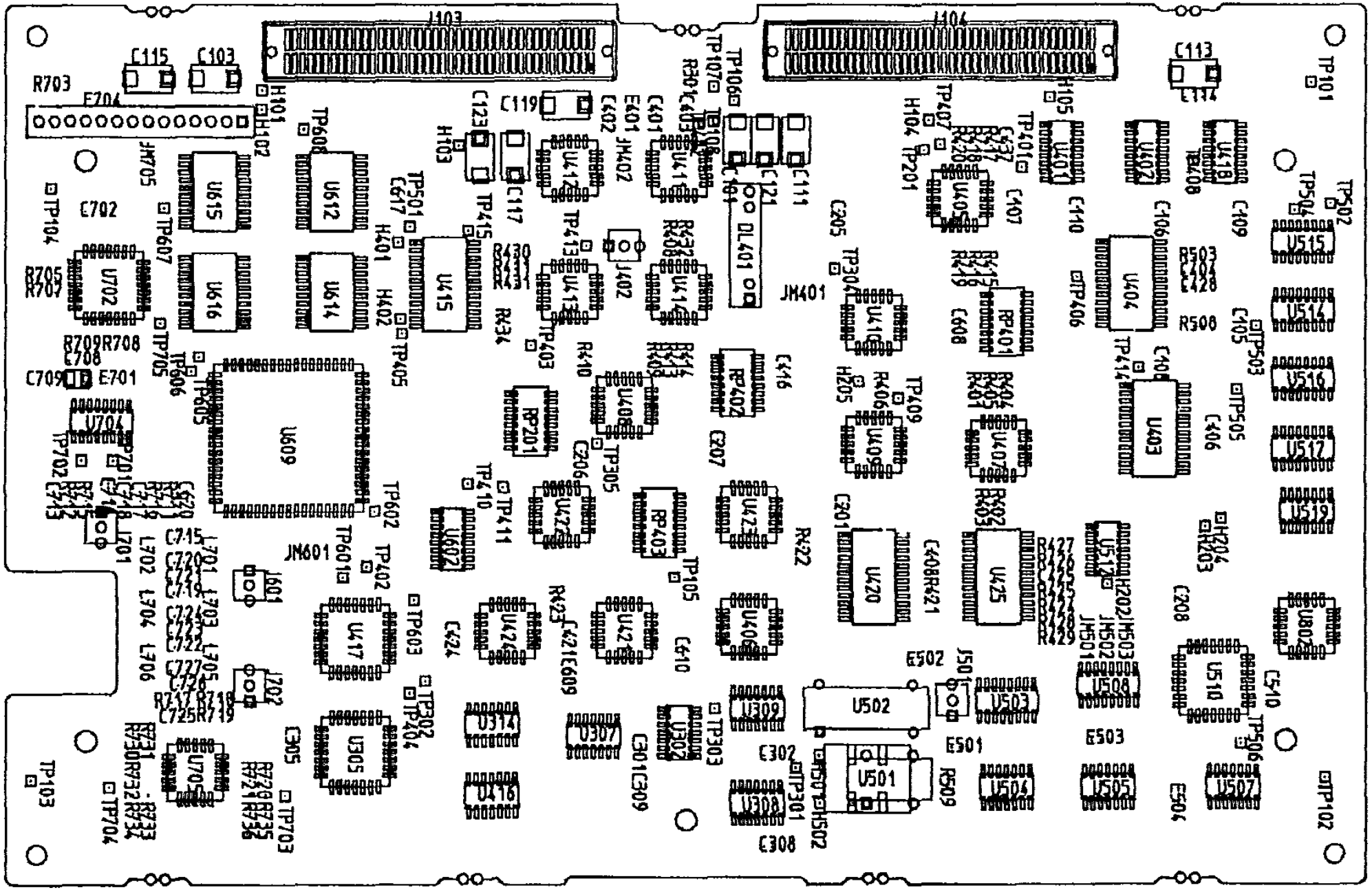
Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R1121, R304, R811	3	0699-1319	RESISTOR 12.1K +-1pct .125W TKF TC=0+-100	CRCW120612K1FKE_ RK73H2BT_1212F MCR18___F1212 232272461213L	VISHAY KOA ROHM YAGEO
R201, R202, R204, R209, R320, R929	6	0699-1435	RES-FXD 681 OHM +-1PCT .125W TC 0+-100	CRCW1206681RFKE_ RK73H2BT_6810F MCR18___F6810 232272466811	VISHAY KOA ROHM YAGEO
R205, R207, R208, R210, R219, R220, R222, R223, R401, R514, R518, R519, R611, R614, R617	15	0699-1362	RESISTOR 56.2 +-1pct .125W TKF TC=0+-100	CRCW120656R2FKE_ RK73H2BT_56R2F MCR18___F56R2 232272465629	VISHAY KOA ROHM YAGEO
R215, R216, R728, R819, R821	5	0699-1381	RESISTOR 3.48K +-1pct .125W TKF TC=0+-100	CRCW12063K48FKE_ RK73H2BT_3481F MCR18___F3481 232272463482	VISHAY KOA ROHM YAGEO
R218	1	0699-1347	RESISTOR-FXD 13.3OHM +-1pct .25W TC 0+-1	CRCW120613R3FKE_ RK73H2BT_13R3F MCR18___F13R3 232272461339	VISHAY KOA ROHM YAGEO
R302, R312, R402, R403, R507, R925	6	0699-2156	RESISTOR 20K +-1pct .125W TKF TC=0+-100	CRCW120620K0FKE_ RK73H2BT_2002F MCR18___F2002 232272462003	VISHAY KOA ROHM YAGEO
R305, R306, R926, R927, R931, R932	6	0699-2489	RESISTOR 10K +-0.1pct .125W TF TC=0+-25	RN732BT_1002B25 BLU-1206 10K .1% 25PPM MCA1206-25 0, 1% P5 10K MCA1206-25 0, 1% P5 10K PCF-W1206R031002BT	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS
R307	1	0699-2491	RESISTOR 20K +-0.1pct .125W TF TC=0+-25	RN732BT_2002B25 BLU-1206 20K .1% 25PPM MCA1206-25 0, 1% P5 20K MCA1206-25 0, 1% P5 20K W1206R032002BT	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS

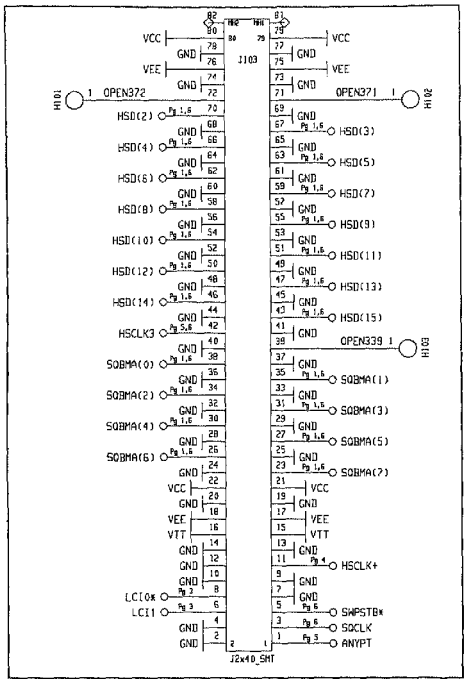
Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R309, R904	2	0699-1424	RESISTOR-FXD 237 +-1pct .25W TC 0+-100 12	CRCW1206237RFKE_ RK73H2BT_2370F MCR18___F2370	VISHAY KOA ROHM
R316, R318, R713, R716, R718, R801-R808, R822-R824, R916-R919	20	0699-1445	RESISTOR 215K +-1pct .125W TKF TC=0+-100	CRCW1206215KFKE_ RK73H2BT_2153F MCR18___F2153 232272462154L	VISHAY KOA ROHM YAGEO
R317, R726	2	0699-1404	RESISTOR 34.8K +-1pct .125W TKF TC=0+-100	CRCW120634K8FKE_ RK73H2BT_3482F MCR18___F3482 232272463483	VISHAY KOA ROHM YAGEO
R319	1	0699-2840	RESISTOR 2.5K +-0.1pct .125W TF TC=0+-25	RN732BT_2501B25 2322741X2502 BLU-1206 2K5 .1% 25PPM MCA1206-25 0, 1% P5 2.5K TNPW12062501BT-9 W1206R032501BT	KOA YAGEO RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS
R321, R731, R902, R903, R928	5	0699-2490	RESISTOR 1K +-0.1pct .125W TF TC=0+-25	RN732BT_1001B25 BLU-1206 1K .1% 25PPM MCA1206-25 0, 1% P5 1K MCA1206-25 0, 1% P5 1K PCF-W1206R031001BT	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS
R503, R504, R603, R604	4	0699-3215	RESISTOR 40.2 +-0.1pct .125W TF TC=0+-25	2322741X4029 BLU-1206 40R2 .1% 25PPM PTN1206E40R2BB W1206-R-03-40R2B RN732BT__40R2B25	VISHAY BC COMPONENTS RCD COMPONENTS VISHAY TT ELECTRONICS KOA
R506, R512, R605, R612, R722, R725, R901	7	0699-2832	RESISTOR 200 +-0.1pct .125W TF TC=0+-25	RN732BT_2000B25 BLU-1206 200R .1% 25PPM MCA1206-25 0, 1% P5 200R TNPW12062000B W1206R032000BT	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS

Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R508, R513, R515, R516, R606, R613, R615, R616	8	0699-2488	RESISTOR 100 +-0.1pct .125W TF TC=0+-25	RN732BT_1000B25 BLU1206-1000-BT25 MCA1206-25 0, 1% P5 100R MCA1206-25 0, 1% P5 100R PCF-W1206R-03-1000-B	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS
R511, R610, R820	3	0699-1353	RESISTOR 23.7 +-1pct .125W TKF TC=0+-100	CRCW120623R7FKE_ RK73H2BT_23R7F MCR18___F23R7 232272462379	VISHAY KOA ROHM YAGEO
R701, R704, R706, R708	4	0699-2626	RESISTOR 143 +-1pct .125W TKF TC=0+-100	CRCW1206143RFKE_ RK73H2BT_1430F MCR18___F1430 232272461431	VISHAY KOA ROHM YAGEO
R702, R703, R705, R707, R709, R710	6	0699-2834	RESISTOR 400 +-0.1pct .125W TF TC=0+-25	RN732BT_4000B25 BLU-1206 400R .1% 25PPM MCA1206-25 0, 1% P5 400R W1206R034000BT TNPW1206400RBEE_	KOA RCD COMPONENTS VISHAY BC COMPONENTS TT ELECTRONICS VISHAY DALE ELECTRONICS
R711, R714	2	0699-1365	RESISTOR 75 +-1pct .125W TKF TC=0+-100	CRCW120675R0FKE_ RK73H2BT_75R0F MCR18___F75R0 232272467509	VISHAY KOA ROHM YAGEO
R721, R727	2	0699-1387	RESISTOR 6.81K +-1pct .125W TKF TC=0+-100	CRCW12066K81FKE_ RK73H2BT_6811F 232272466812L MCR18___F6811	VISHAY KOA YAGEO ROHM
R723, R730	2	0699-1421	RESISTOR 178 +-1pct .125W TKF TC=0+-100	CRCW1206178RFKE_ RK73H2BT_1780F MCR18___F1780 232272461781	VISHAY KOA ROHM YAGEO

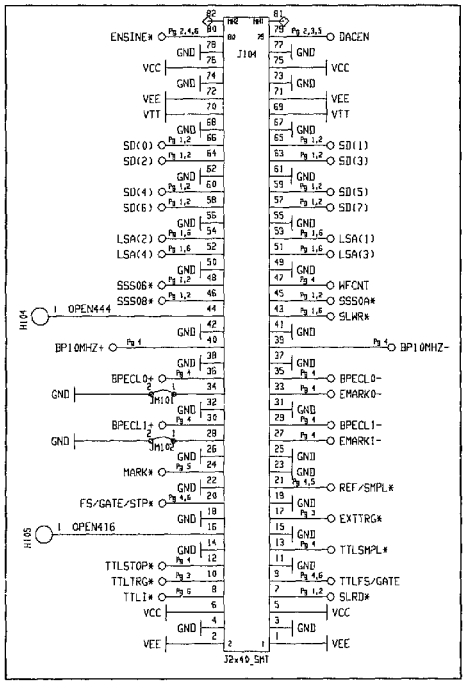
Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
R724	1	0699-2835	RESISTOR 500 +-0.1pct .125W TF TC=0+-25	RN732BT_5000B25 BLU-1206 500R .1% 25PPM MCA1206-25 0, 1% P5 500R PTN1206E5000BB W1206R035000BT	KOA RCD COMPONENTS VISHAY BC COMPONENTS VISHAY TT ELECTRONICS
R809, R812	2	0699-1431	RESISTOR 464 +-1pct .125W TKF TC=0+-100	CRCW1206464RFKE_ RK73H2BT_4640F MCR18___F4640 232272464641	VISHAY KOA ROHM YAGEO
R813, R815	2	0699-1826	RESISTOR 45.3 +-1pct .125W TKF TC=0+-100	CRCW120645R3FKE_ RK73H2BT_45R3F MCR18___F45R3 232272464539	VISHAY KOA ROHM YAGEO
R814	1	0699-1430	RESISTOR 422 +-1pct .125W TKF TC=0+-100	CRCW1206422RFKE_ RK73H2BT_4220F MCR18___F4220 232272464221	VISHAY KOA ROHM YAGEO
R906, R907, R908, R909, R920, R921	6	0699-0064	RES-FXD 50 OHM +-0.1PCT 0.5W TC 0+-25 020	CMF-6550R0BT-9 H250RBD MBB0207-25 0.1%__50R	VISHAY MEGGITT-ELECTRONIC COMPONENTS VISHAY BC COMPONENTS
R910, R911, R913, R914, R915	5	0698-6317	RES-FXD 500 OHM +-0.1PCT 0.125W TC 0+-25	CMF-555000BT-9 MBB0207-25 0.1%__500R	VISHAY VISHAY BC COMPONENTS
R912	1	0698-6323	RES-FXD 100 OHM +-0.1PCT 0.125W TC 0+-25	CMF-551000BT-9 MBB0207-25 0.1%__100R	VISHAY VISHAY BC COMPONENTS
RP501, RP502, RP601, RP602	4	1810-1159	NET-RES 15 220.0 OHM 16-PIN	4816P-002-221 767161221G SOMC16-01-221G	BOURNS CTS VISHAY
SCR1, SCR2	2	0624-0729	SCREW-TPG 2-56 .25-IN-LG PAN-HD-TORX T8	0624-0729	ILLINOIS TOOL WORKS
T101	1	9100-4902	TRANSFORMER-RF FREQ. RANGE: 15-400 MH	T1-1-KK81	MINI-CIRCUITS
U1001, U705, U706	3	5185-8466	Ltb for 1826-2443 Ic,oa,opa621ku (E1445A		
	1	1826-2443	IC OP AMP WB 8 PIN PLSTC-SOIC		
U1002	1	5065-6695	LTB FOR E1445-66502 AND E1445-91002		
	1	1826-2435	IC BFR WB 8 PIN TO-3		

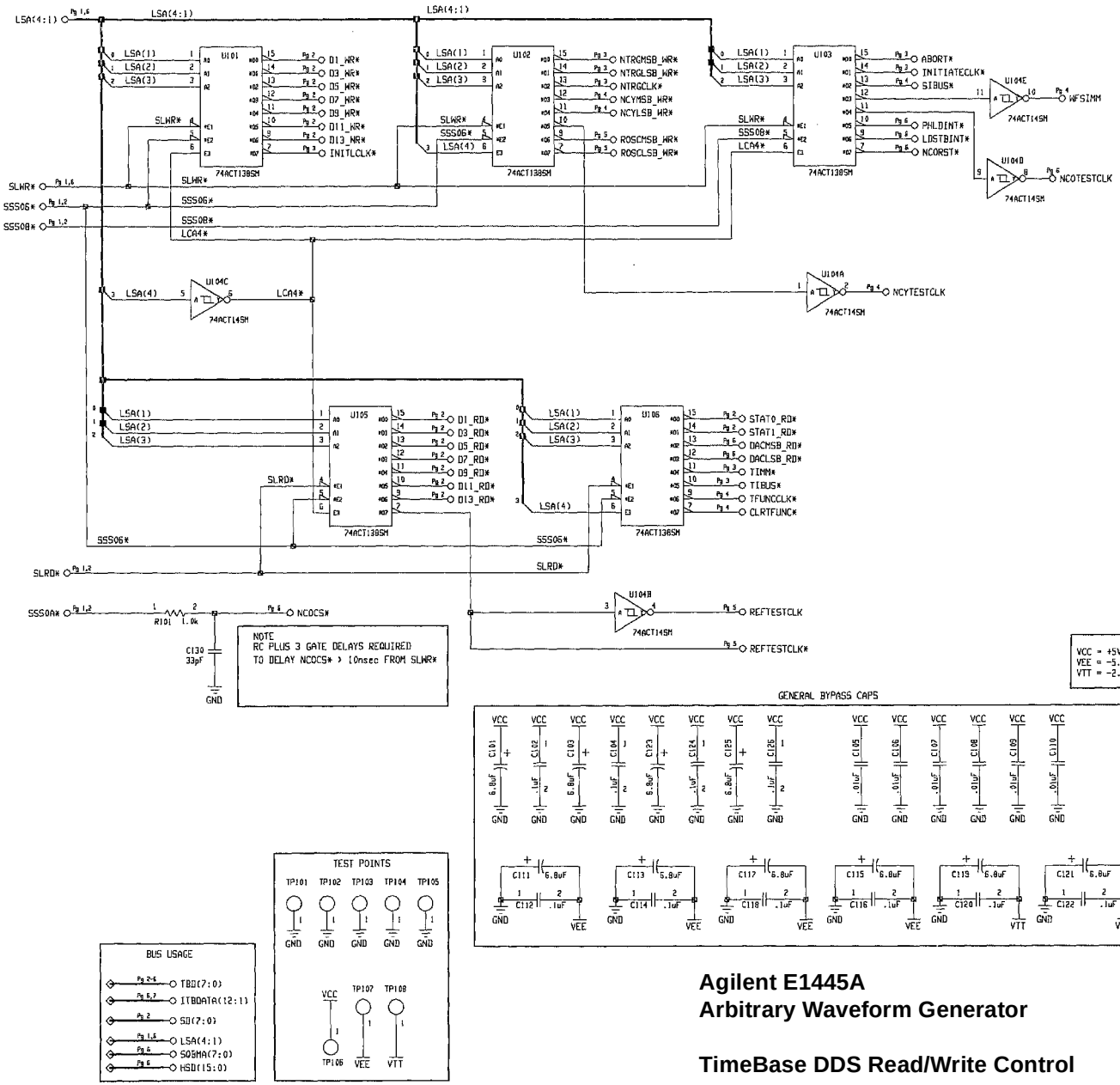
Reference Designator	Qty	Agilent Part Number	Description	MPN	Manufacturer
U1101	1	1826-2438	A/D 8-BIT 28-PLCC CMOS	ADC0848CCV-NOPB	NATIONAL SEMICONDUCTOR
U201, U202	2	1820-8832	IC DCDR-DEMUXR CMOS/HC BIN 1-TO-8-LINE	74HC137D 74HC137D	PHILIPS NXP
U203, U301, U801	3	1820-6471	IC TRANSCEIVER CMOS/HCT BUS OCTL	SN74HCT652DW	TEXAS INSTRUMENTS
U204, U205	2	1820-7721	IC XLTR ECL/10KH TTL-TO-ECL OCTL	SN10KHT5578DW	TEXAS INSTRUMENTS
U206	1	1820-6524	IC XLTR ECL/10KH TTL-TO-ECL QUAD	MC10H124FN__G	ON SEMICONDUCTOR
U207, U210	2	1820-6521	IC GATE ECL/10KH OR-NOR TPL 3-INP	MC10H105FN__G	ON SEMICONDUCTOR
U208	1	1820-5777	IC GATE ECL/10KH EXCL-OR/NOR TPL 2-INP	MC10H107FN__G	ON SEMICONDUCTOR
U209	1	1820-5629	IC FF ECL/10KH D-M/S POS-EDGE-TRIG	MC10H131FNG	ON SEMICONDUCTOR
U302	1	1826-1899	1826-1899	MX7547JP+ AD7547JPZ	MAXIM INTEGRATED PRODUCTS ANALOG DEVICES
U303, U307, U506, U606, U805	5	1826-2420	IC OP AMP LP DUAL 8 PIN PLSTC-SOIC	AD706JRZ	ANALOG DEVICES
U304	1	1826-3162	IC OP AMP PRCN LOW POWER DUAL 8-SOIC	AD822ARZ	ANALOG DEVICES
U305	1	1826-1687	IC PWR MGT-V-REF-FXD 9.95/10.05V 8 PINS	LT1021DCS8-10#PBF	LINEAR TECHNOLOGY
U306, U403, U404, U406	4	1826-1811	IC OP AMP LOW-BIAS-H-IMPD DUAL 8 PIN	TL072ACD	TEXAS INSTRUMENTS
U308	1	1826-1546	IC OP AMP LOW-NOISE SINGLE 8-SOIC	NE5534AD NE5534ADG	TEXAS INSTRUMENTS ON SEMICONDUCTOR
U401	1	1820-5940	IC GATE CMOS/ACT AND QUAD 2-INP	MC74ACT08DG 74ACT08SCX.	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U402, U405	2	1826-2084	D/A 8-BIT 20-PLCC CMOS	AD7628KP	ANALOG DEVICES
U501, U502, U503	3	1820-7260	IC GATE ECL/10KH OR-NOR QUAD 2-INP	MC10H101FNG	ON SEMICONDUCTOR
U505, U603	2	5065-6611	LTB FOR E1445-66502		
	1	1826-2426	D/A 12-BIT 28-PLCC BPLR		
U601, U602	2	1820-8817	IC BFR ECL/10KH HEX 2-INP	MC10H188FN__G	ON SEMICONDUCTOR
U701, U702, U703, U704	4	5185-8467	Ltb for 1826-2444 E1445A		
	1	1826-2444	IC OP AMP WB 8 PIN PLSTC-SOIC		
U707	1	1820-5950	IC INV CMOS/AC HEX 14-SOIC	MC74AC04DG 74AC04SC SN74AC04D	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS
U802	1	1820-5942	IC TRANSCEIVER CMOS/ACT BUS OCTL	74ACT245SCX. SN74ACT245DW MC74ACT245DW__G	FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS ON SEMICONDUCTOR
U901	1	1820-5945	IC GATE CMOS/AC NAND QUAD 2-INP	MC74AC00DG	ON SEMICONDUCTOR
WSH1	1	3050-0891	WASHER-FL MTLC 3.0 3.3-MM-ID 6.85-MM-OD	3050-0891	HOUSE OF METRICS
	0.05 meter	8150-3431	WIRE 30AWG BL 42V KYNAR-PVF	5951-6 BR212/1-30-021	ALPHA WIRE CORNISH WIRE





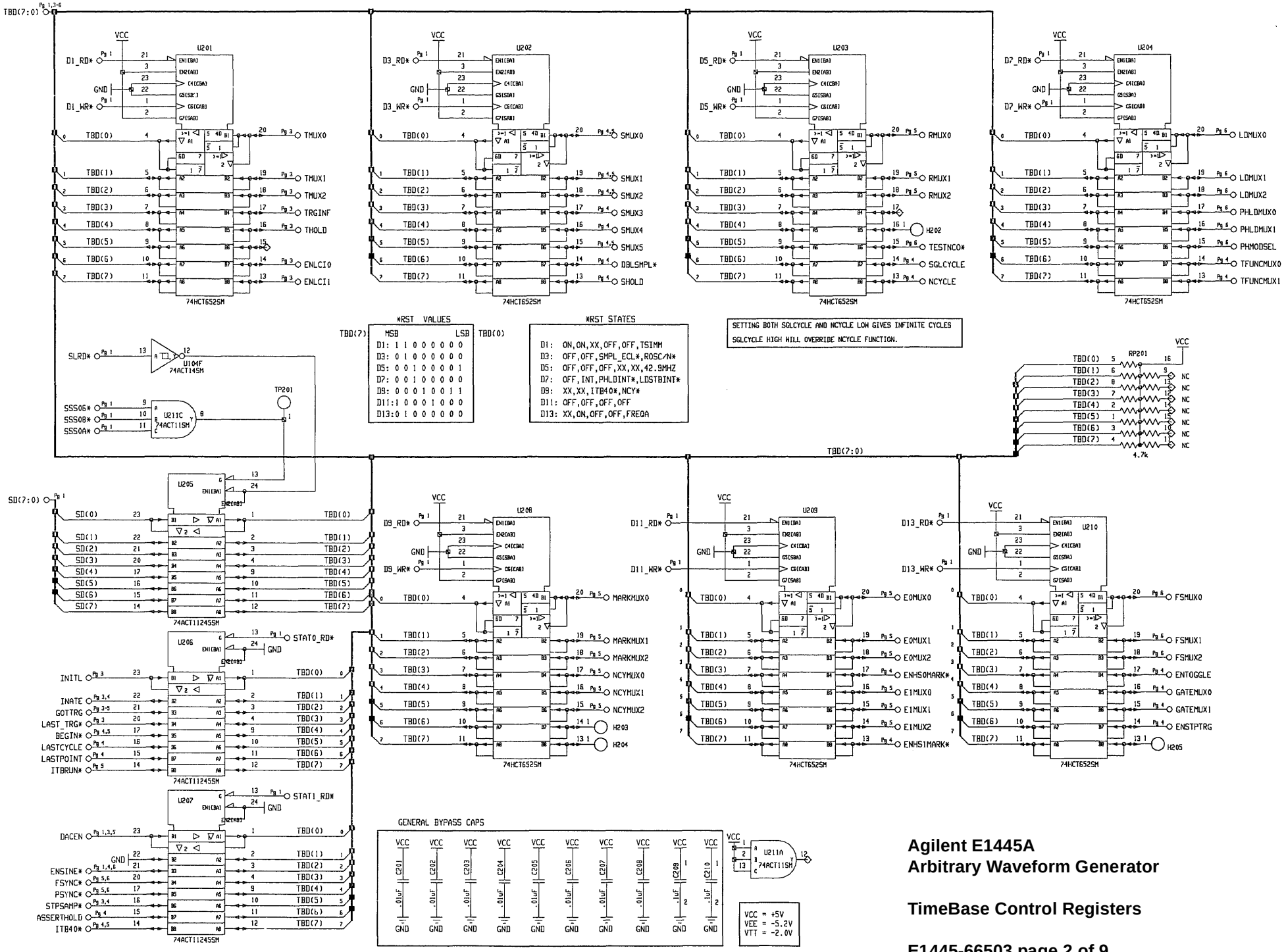
NOTE: LCI1 IS LABELED LCI1* ON -63501





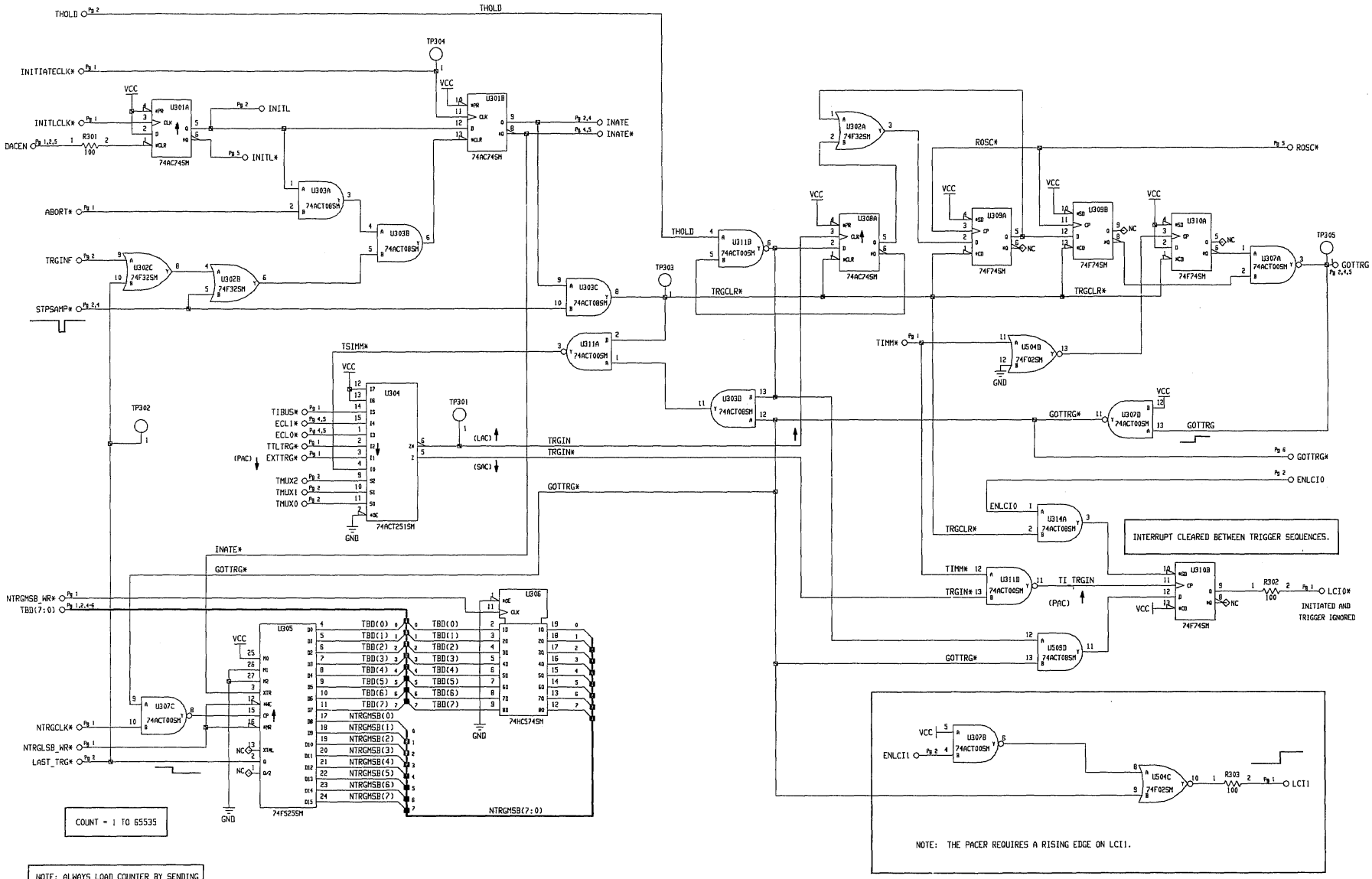
Agilent E1445A
Arbitrary Waveform Generator

TimeBase DDS Read/Write Control



Agilent E1445A
Arbitrary Waveform Generator

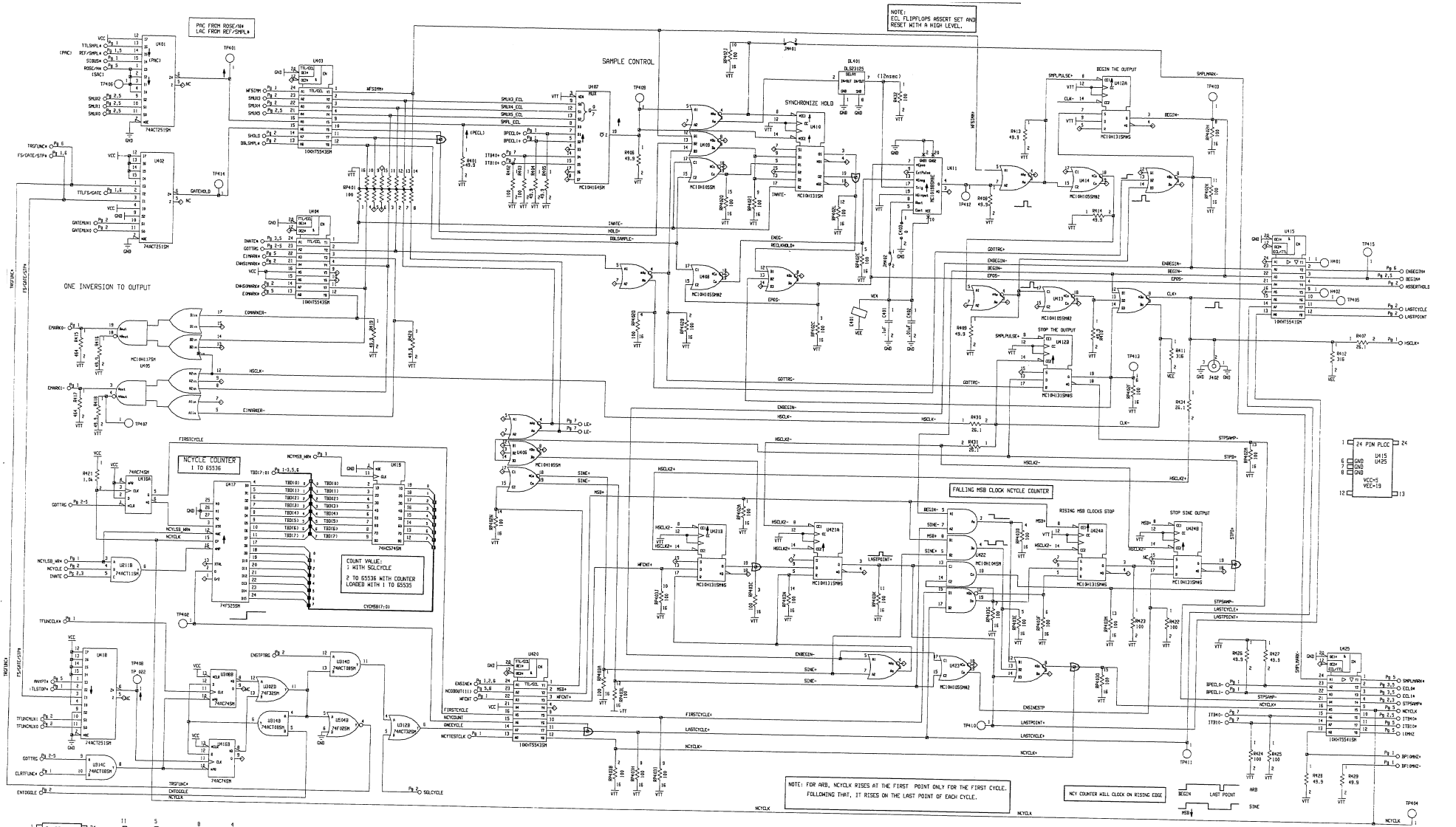
TimeBase Control Registers



Agilent E1445A
Arbitrary Waveform Generator

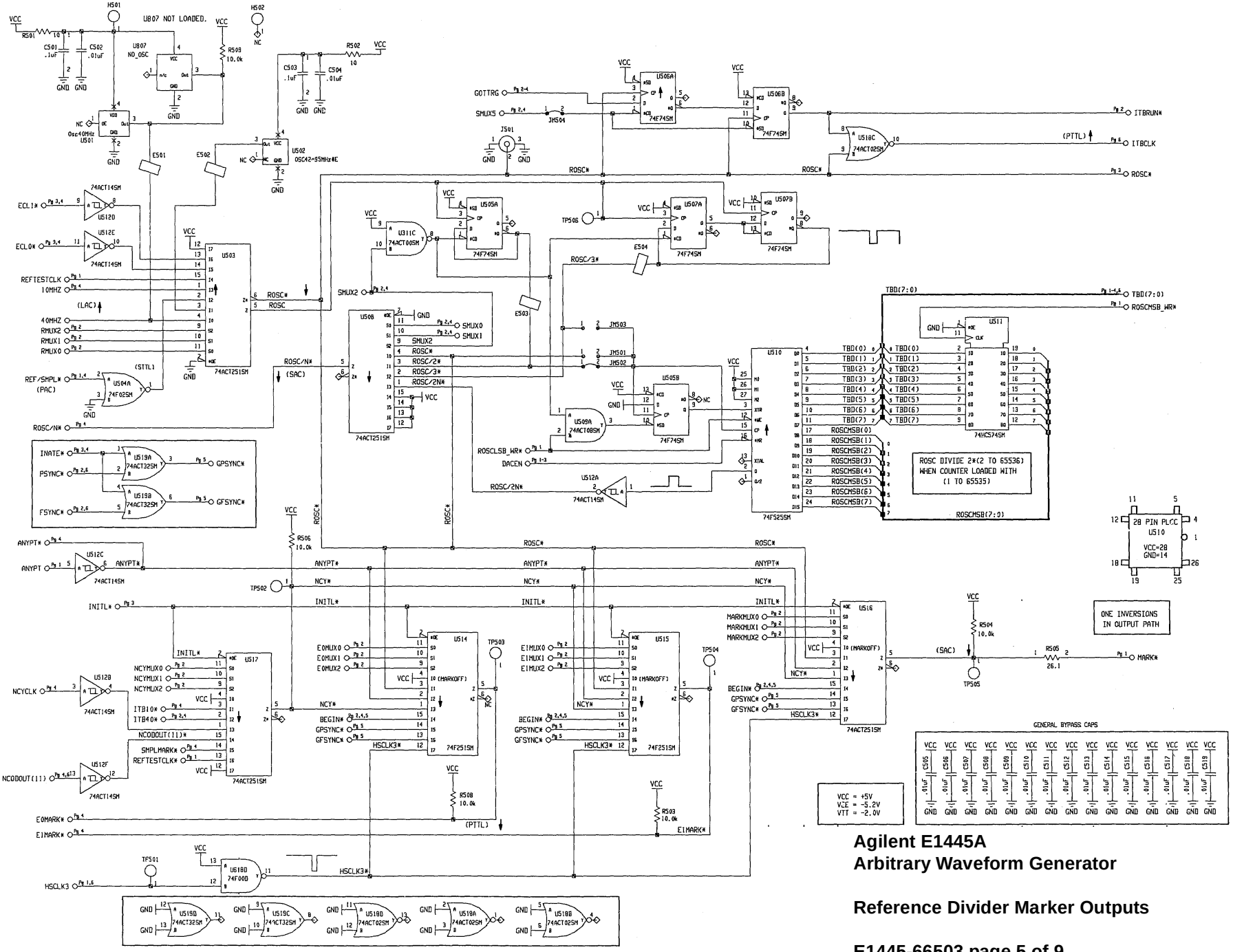
Trigger Circuit NTRIG Counter

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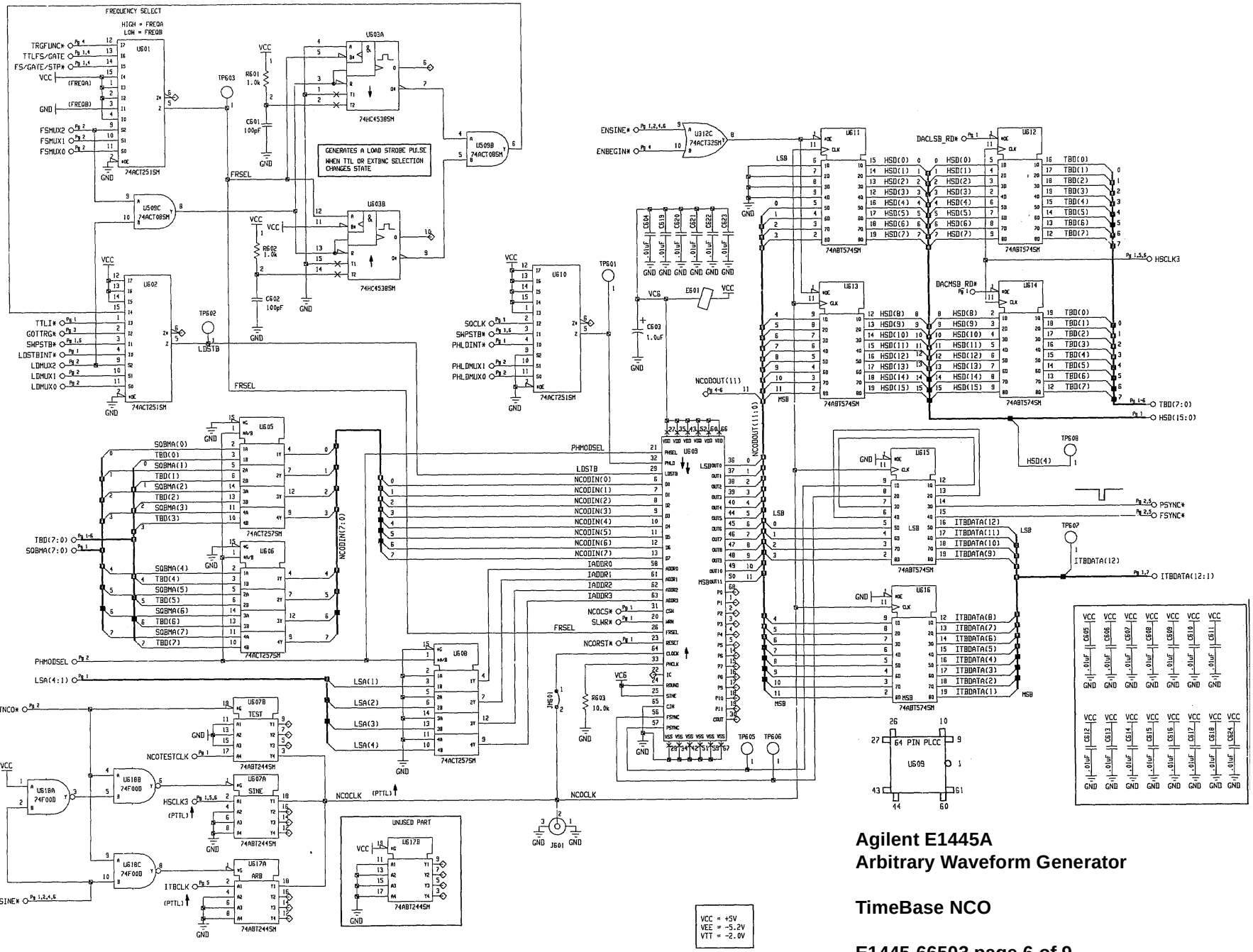
Agilent E1445A
Arbitrary Waveform Generator

Sample Control and NCYCLE Counter



Agilent E1445A
Arbitrary Waveform Generator

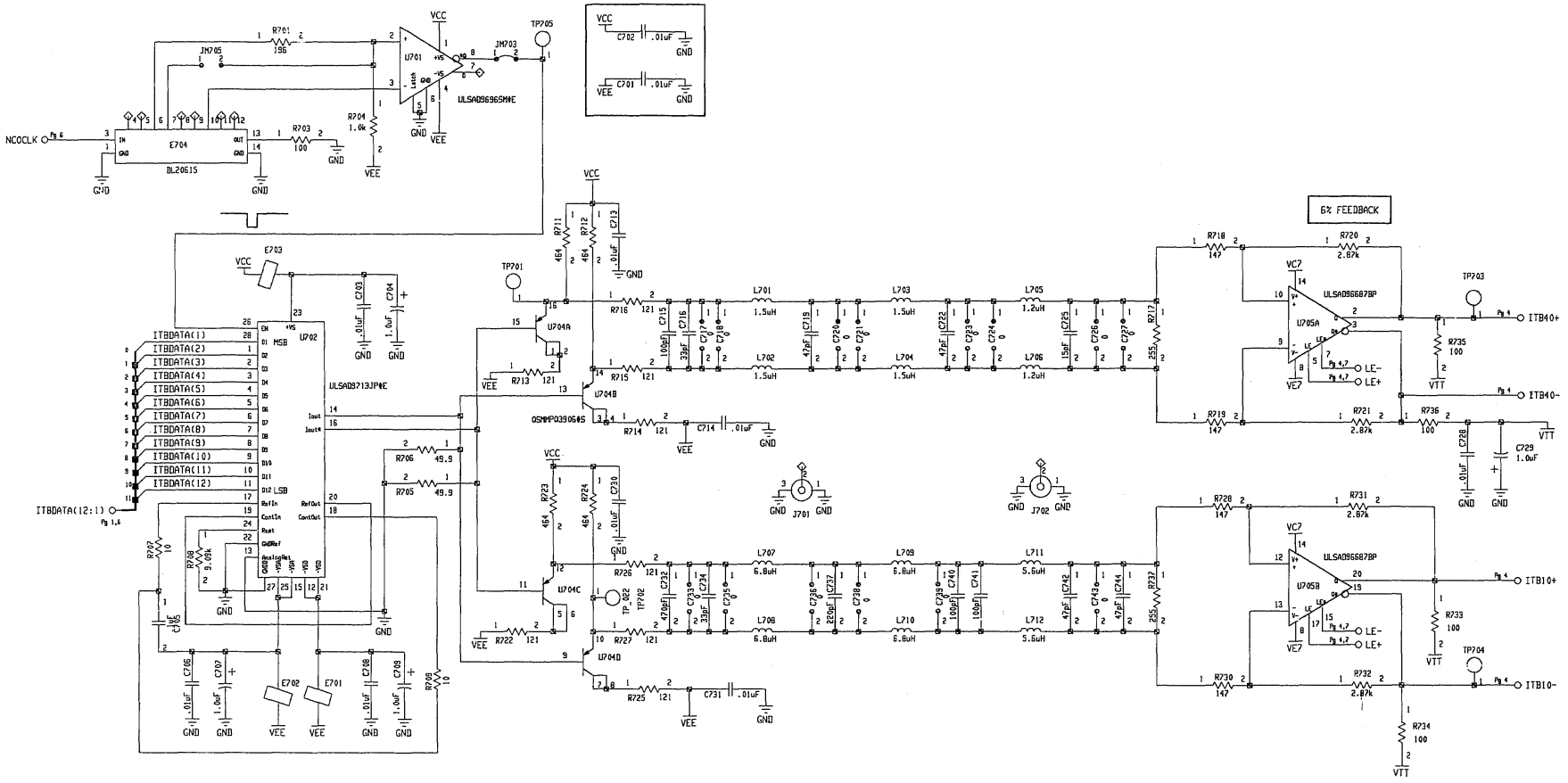
Reference Divider Marker Outputs



Agilent E1445A
Arbitrary Waveform Generator

TimeBase NCO

E1445-66503 page 6 of 9



Agilent E1445A
Arbitrary Waveform Generator

TimeBase DAC

| | | |

Ref. Des.	Layer	X	Y
C101	1	675	-3825
C102	B	775	-3825
C103	1	275	-7175
C104	B	275	-7250
C105	1	1825	-600
C106	1	1125	-1100
C107	1	1050	-2050
C108	1	2075	-1100
C109	1	1125	-600
C110	1	1100	-1650
C111	1	675	-3450
C112	B	575	-3450
C113	1	250	-900
C114	1	400	-800
C115	1	275	-7600
C116	B	225	-7525
C117	1	775	-5250
C118	B	750	-5250
C119	1	450	-4925
C120	B	450	-4975
C121	1	675	-3650
C122	B	575	-3650
C123	1	775	-5475
C124	B	750	-5475
C125	B	250	-900
C126	B	400	-900
C130	B	700	-2075
C201	1	3025	-3150
C202	B	2775	-1750
C203	B	4000	-1925
C204	B	3725	-3350
C205	1	1125	-3175
C206	1	2700	-4825
C207	1	2625	-3950
C208	1	3625	-975
C209	B	2775	-750
C210	B	3775	-2575
C301	1	4575	-4450
C302	1	4650	-3600
C303	B	4850	-5125
C304	B	4050	-3475
C305	1	4525	-6675
C306	B	4475	-5825
C308	1	5225	-3600
C309	1	4925	-4450
C401	1	450	-4350
C402	1	450	-4650
C403	1	475	-4150
C404	1	1525	-900
C405	B	1575	-6050
C406	1	2525	-775
C407	B	625	-600
C408	1	3375	-2575
C409	B	625	-1100
C410	B	625	-1650
C411	B	3500	-5975
C412	B	3800	-6675
C413	B	850	-5075
C414	B	1725	-1975
C415	B	2050	-4650
C416	1	2125	-3525
C417	B	900	-4025
C418	B	3025	-4200
C419	B	1650	-4375
C420	B	1650	-5075
C421	1	3850	-4300
C422	B	3100	-5125
C423	B	3000	-3925
C424	1	3850	-5650
C425	1	3500	-1750
C426	B	2400	-4725
C427	B	2525	-775
C428	1	1625	-900
C429	B	3575	-2575
C430	B	1850	-3125
C431	B	2650	-2525
C432	B	2725	-2925
C433	B	3950	-3925
C434	B	1050	-2575
C435	B	3700	-1750
C436	B	1575	-5325
C437	1	650	-2100
C438	B	3625	-4975
C501	B	4475	-2925
C502	B	4475	-3050
C503	B	4050	-3275
C504	B	4050	-3375
C505	B	4950	-1150
C506	B	4400	-1975
C507	B	4950	-550
C508	B	4300	-1325
C509	B	4575	-5125
C510	1	4175	-395
C511	B	4600	-1025
C512	B	3225	-1550
C513	B	4950	-1750
C514	B	1875	-75
C515	B	1425	-75
C516	B	2325	-75
C517	B	2775	-75
C518	B	1825	-5325
C519	B	4750	-1750
C601	B	3875	-5750
C602	B	3875	-5025
C603	B	2350	-6475
C604	B	2350	-6350
C605	B	2700	-7350
C606	B	2600	-6600
C607	B	4050	-5125
C608	1	1825	-2400
C609	1	4050	-4900
C610	1	3950	-4175
C611	B	1275	-6475
C612	B	825	-6225
C613	B	1925	-6475
C614	B	1475	-6225
C615	B	1175	-7350
C616	B	1825	-7350
C617	1	975	-6000
C618	B	3125	-5550
C619	B	3125	-6775
C620	1	2950	-7350
C621	B	2525	-7025
C622	B	2125	-7025
C623	B	2350	-6700
C624	B	2350	-6050
C701	B	950	-7500
C702	1	1125	-7950
C703	B	1600	-7900
C704	B	1350	-7950
C705	B	1800	-8250
C706	B	1650	-8250
C707	B	1950	-8250
C708	1	2100	-8050
C709	1	2225	-8050
C713	1	2350	-8200
C714	B	2400	-7550
C715	1	3250	-7400
C716	1	2925	-7850
C717	1	2950	-7650
C718	1	2950	-7750
C719	1	3600	-7400
C720	1	3400	-7400
C721	1	3500	-7400
C722	1	3950	-7400
C723	1	3850	-7400
C724	1	3750	-7400
C725	1	4400	-7375
C726	1	4200	-7375
C727	1	4100	-7400
C728	B	4925	-7200
C729	B	4925	-7350
C730	B	2950	-7350
C731	B	2400	-8250
C732	B	2950	-7650
C733	B	2950	-7750
C734	B	2925	-7850
C735	B	3250	-7400
C736	B	3500	-7400
C737	B	3400	-7400
C738	B	3600	-7400
C739	B	3850	-7400
C740	B	3750	-7400
C741	B	3950	-7400
C742	B	4100	-7375
C743	B	4400	-7375
C744	B	4200	-7375
C745	B	4700	-7125
C746	B	4700	-6950
C747	B	4700	-7475
C748	B	4700	-7650
DL401	1	1700	-3750
E401	1	450	-4500
E501	1	4600	-2400
E502	1	4050	-2650
E503	1	4550	-1500
E504	1	4900	-1000
E601	B	2350	-6225
E701	1	2225	-7850
E702	B	2100	-8250
E703	B	1125	-7950
E704	1	550	-7000
E705	B	4700	-6775
E706	B	4450	-7650
H101	1	350	-6875
H102	1	475	-6875
H103	1	700	-5610
H104	1	550	-2600
H105	1	400	-1825
H202	1	3550	-1450
H203	1	3175	-825
H204	1	3125	-725
H205	1	2245	-3050
H401	1	1325	-6000
H402	1	1825	-5985
H501	1	4650	-3300
H502	1	4950	-3300
J103	1	100	-5737
J104	1	100	-2527
J402	1	1350	-4650
J501	1	4400	-2450
J601	1	3450	-6950
J701	1	3075	-7900
J702	1	4300	-6950
JM101	B	0	-2400
JM102	B	0	-2150
JM401	1	1675	-3450
JM402	1	725	-4550
JM501	1	3875	-1575
JM502	1	3875	-1450
JM503	1	3875	-1325
JM504	B	4625	-1750
JM601	1	3350	-6625
JM703	B	1600	-7750
JM705	1	750	-7600
L701	1	3300	-7200
L702	1	3300	-7600
L703	1	3650	-7200
L704	1	3650	-7600
L705	1	4000	-7200
L706	1	4000	-7600
L707	B	3300	-7200
L708	B	3300	-7600
L709	B	3650	-7200
L710	B	3650	-7600
L711	B	4000	-7200
L712	B	4000	-7600
R101	B	600	-2850
R301	1	275	-4125
R302	B	4950	-5775
R303	B	4150	-5625
R401	1	2300	-2300
R402	1	3050	-2150
R403	1	3050	-2250
R404	1	2300	-2100
R405	1	2300	-2200
R406	1	2250	-2900
R407	B	1275	-5100
R408	1	1250	-4250
R409	1	2050	-4350
R410	1	2050	-4800
R411	1	1500	-5300
R412	B	1275	-4900
R413	1	2050	-4250
R414	1	2050	-4150
R415	1	1450	-2200
R416	1	1450	-2300
R417	1	650	-2200
R418	1	650	-2300
R419	1	1450	-2400
R420	1	650	-2400
R421	1	3575	-2575
R422	1	3250	-3400
R423	1	3625	-4975
R424	1	3700	-1750
R425	1	3600	-1750
R426	1	3400	-1750
R427	1	3300	-1750
R428	1	3800	-1750
R429	1	3900	-1750
R430	1	1400	-5300
R431	1	1600	-5300
R432	1	1250	-4150
R434	1	1825	-5325
R501	B	4475	-2800
R502	B	4050	-3150
R503	1	1425	-900
R504	B	2125	-125
R505	B	2125	-325
R506	B	2325	-275
R508	1	1875	-900
R509	1	4800	-2475
R601	B	3850	-5650
R602	B	3850	-5125
R603	B	2350	-6800
R701	B	750	-7700
R703	1	325	-8250
R704	B	950	-7600
R705	1	1550	-8250
R706	B	1550	-8250
R707	1	1650	-8250
R708	1	2000	-7800
R709	1	2000	-8050
R711	1	2950	-7450
R712	1	2950	-8100
R713	B	2500	-7550
R714	B	2500	-7550
R715	1	2950	-8000
R716	1	2950	-7550
R717	1	4300	-7400
R718	1	4300	-7200
R719	1	4400	-7200
R720	1	4750	-6850
R721	1	4750	-6950
R722	B	2600	-8250
R723	B	2950	-7450
R724	B	2950	-8100
R725	B	2500	-8250
R726	B	2950	-7550
R727	B	2950	-8000
R728	B	4300	-7200
R730	1	4500	-7700
R731	1	4500	-7600
R732	1	4750	-7700
R733	1	4950	-7600
R734	1	4950	-7700
R735	1	4950	-6850
R736	1	4950	-6950
R737	B	4300	-7400
RP201	1	2500	-5150
RP401	1	1850	-2100
RP402	1	2250	-3825
RP403	1	3150	-4325
TP101	1	300	-150
TP102	1	4790	-60
TP103	1	4805	-8350
TP104	1	975	-8225
TP105	1	3500	-4225
TP106	1	420	-3850
TP107	1	330	-3980
TP108	1	550	-3980
TP201	1	735	-2630
TP301	1	4725	-3450
TP302	1	4175	-5825
TP303	1	4350	-3975
TP304	1	1500	-3200
TP305	1	2650	-4725
TP401	1	850	-2000
TP402	1	3425	-6200
TP403	1	2000	-5150
TP404	1	4250	-5925
TP405	1	1925	-5975
TP406	1	1550	-1650
TP407	1	700	-2525
TP408	1	800	-900
TP409	1	2350	-2795
TP410	1	2900	-5550
TP411	1	2925	-5325
TP412	1	560	-4075
TP413	1	1350	-4795
TP414	1	2150	-1250
TP415	1	1250	-5550
TP501	1	1225	-5925
TP502	1	1075	-25
TP503	1	1875	-500
TP504	1	1115	-255
TP505	1	2300	-625
TP506	1	4575	-600
TP601	1	3500	-6350
TP602	1	3075	-6150
TP603	1	3650	-5900
TP605	1	2075	-7275
TP606	1	2175	-7325
TP607	1	1100	-7500
TP608	1	600	-6605
TP701	1	2750	-7825
TP702	1	2750	-8025
TP703	1	4900	-6725
TP704	1	4850	-7850
TP705	1	1850	-7525
U101	B	1700	-1200
U102	B	1000	-700
U103	B	975	-2325
U104	B	1000	-1750
U105	B	1700	-700
U106	B	1000	-1200
U201	B	3500	-2850
U202	B	2550	-2150
U203	B	3500	-2150
U204	B	3500	-3750
U205	B	1050	-3350
U206	B	2500	-5100
U207	B	2550	-4150
U208	B	3400	-1150
U209	B	2550	-1150
U210	B	2550	-3350
U211	B	1000	-2850
U301	B	4525	-4750
U302	1	4500	-4200
U303	B	4500	-4200
U304	B	4350	-3675
U305	1	4625	-6275
U306	B	4600	-6200
U307	1	4525	-4750
U308	1	4950	-3700
U309	1	4350	-3700
U310	B	4950	-4750
U311	B	4950	-3700
U312	B	4900	-5400
U314	1	4450	-5400
U401	1	750	-1750
U402	1	750	-1200
U403	1	2550	-1150
U404	1	1600	-1300
U405	1	1050	-2400
U406	1	3825	-3750
U407	1	2675	-2150
U408	1	2400	-4550
U409	1	2650	-2950
U410	1	1850	-2950
U411	1	850	-4200
U412	1	850	-4900
U413	1	1650	-4900
U414	1	1650	-4200
U415	1	1600	-5700
U416	1	4900	-5400
U417	1	3900	-6275
U418	1	750	-700
U419	B	3900	-6200
U420	1	3500	-2950
U421	1	3850	-4550
U422	1	3100	-4950
U423	1	3100	-3750
U424	1	3850	-5300
U425	1	3500	-2150
U501	1	4950	-3000
U502	1	4500	-3300
U503	1	4300	-2100
U504	1	4850	-2100
U505	1	4850	-1450
U506	B	4850	-2100
U507	1	4850	-650
U508	1	4200	-1450
U509	B	4450	-5400
U510	1	4175	-775
U511	B	4200	-850
U512	1	3325	-1450
U514	1	1775	-200
U515	1	1325	-200
U516	1	2225	-200
U517	1	2675	-200
U518	B	4850	-1450
U519	1	3075	-175
U601	B	3825	-4625
U602	1	3250	-5650
U603	B	3825	-5375
U605	B	2825	-7075
U606	B	2725	-6325
U607	B	1600	-5700
U608	B	1700	-2500
U610	B	3825	-4275
U611	B	1000	-6800
U612	1	1000	-6425
U613	B	1650	-6800
U614	1	1650	-6425
U615	1	1000	-7175
U616	1	1650	-7175
U617	B	2475	-5700
U618	B	925	-5775
U701	B	1250	-7700
U702	1	1600	-7850
U704	1	2500	-7900
U705	1	4750	-7300
U802	1	3825	-175
U804	B	3700	-200
U806	B	3075	-200
U807	1	4795	-2895

LAYER B = CIRCUIT SIDE OF PCBD
LAYER 1 = COMPONENT SIDE OF PCBD

Agilent E1445A
Arbitrary Waveform Generator

X-Y Cross Reference

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
BAG1	1	9222-1440	POUCH-STAT-DISS-CNDCT PE	9222-1440 PACK 66	MAINE POLY SPECIALTY ENTERPRISES
C101, C103, C111, C113, C115, C117, C119, C121, C123, C125	10	0180-3753	CAP-FXD 6.8uF +-20PCT 35V TA	TAJD685M035 ESVD1V685M	AVX NEC ELECTRONICS
C102, C104, C112, C114, C116, C118, C120, C122, C124, C126, C209, C210, C401, C501, C503, C705	16	0160-6497	CAP-FXD 0.1uF +-10pct 50 V CER X7R	12065C104KAT A 2238 581 15649 C1206C104K5RAC C3216X7R1H104KT GRM319R71H104KA01D VJ1206Y104KXAMT	AVX YAGEO KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C105-C110, C201-C208, C301-C306, C308, C309, C402, C404-C438, C502, C504-C519, C604-C624, C701-C703, C706, C708, C713, C714, C728, C730, C731, C745, C747	108	0160-6736	CAP-FXD 0.01uF +-10pct 50 V CER X7R	12065C103KAT A C1206C103K5RAC C3216X7R1H103K GRM316R71H103KD01D VJ1206Y103KXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C130, C716, C734	3	0160-5959	CAP-FXD 33pF +-5pct 50 V CER C0G	08055A330JAT A C0805C330J5GAC C2012COG1H330J GRM2165C1H330JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C601, C602, C715, C740, C741	5	0160-5967	CAP-FXD 100pF +-5pct 50 V CER C0G	08055A101JAT A C0805C101J5GAC C2012COG1H101J GRM2165C1H101JA01D VJ0805A101JXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
C603, C704, C707, C709, C729, C746, C748	7	0180-3751	CAP-FXD 1uF +-20PCT 35V TA	TAJB105M035 293D105X0035B2E3 ESVB21V105M SK-1V105M-RB	AVX VISHAY NEC ELECTRONICS ELNA
C719, C722, C742, C744	4	0160-5957	CAP-FXD 47pF +-5pct 50 V CER C0G	08055A470JAT A C0805C470J5GAC C2012COG1H470J GRM2165C1H470JD01D VJ0805A470JXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C725	1	0160-5962	CAP-FXD 15pF +-5pct 50 V CER C0G	08055A150JAT A C0805C150J5GAC C2012COG1H150J GRM2165C1H150JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C732	1	0160-6096	CAP-FXD 470pF +-5pct 50 V CER C0G	12065A471JAT A C1206C471J5GAC C3216COG1H471J GRM3165C1H471JD01D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C737	1	0160-5954	CAP-FXD 220pF +-5pct 50 V CER C0G	08055A221JAT A 223858016605 C0805C221J5GAC C2012COG1H221J GRM2165C1H221JA01D	AVX YAGEO KEMET ELECTRONICS TDK MURATA MANUFACTURING
DL401	1	1810-1515	DELAY LINE PASSIVE DEVICE W/SINGLE		
E401, E501, E502, E503, E504, E601, E701, E702, E703, E705, E706	11	9170-1421	CORE-SHIELDING BEAD IMAX 1500MA	MI1210K600R-10	STEWARD
E704	1	1810-1602	DELAY LINE PASSIVE DEVICE W/SINGLE	SIP5-201	RHOMBUS INDUSTRIES
J103, J104	2	1252-4572	CONN-POST TYPE .050-PIN-SPCG-MTG-END	5-104550-8	TYCO ELECTRONICS AMP

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
JM101, JM102, JM401, JM402, JM502, JM504, JM601, JM703	8	0699-1503	RESISTOR 0 CWM	CRCW12060000ZSE_ RK73Z2BT MCR18___J000 232271191005	VISHAY KOA ROHM YAGEO
L701, L702, L703, L704	4	9140-1106	INDUCTOR 1.5uH +-5pct 3.4W-mmX4.8LG-mm	SMRF1812-151J	GOWANDA ELECTRONICS
L705, L706	2	9140-1428	INDUCTOR 1.2uH +-5pct 3.4W-mmX4.8LG-mm	SMRF1812-121J	GOWANDA ELECTRONICS
L707, L708, L709, L710	4	9140-1111	INDUCTOR 6.8uH +-5pct 3.4W-mmX4.8LG-mm	SMRF1812-681J	GOWANDA ELECTRONICS
L711, L712	2	9140-1110	INDUCTOR 5.6uH +-5pct 3.4W-mmX4.8LG-mm	SMRF1812-561J	GOWANDA ELECTRONICS
LBL1	1	9320-6241	LBL-PG-PTR; .625-IN-WD X .25-IN-LG	9320-6241	BRADY
LBL2	1	7121-0850	LABEL-ANTISTATIC 1.81-IN-WD 2.5-IN-LG	7101 7101 7121-0850	R S HUGHES 3M GM NAMEPLATE
LBL3	1	7121-5729	LBL-LNE-PTR; 1.5-IN-WD X .25-IN-LG	THT-45-457-10	BRADY
R101, R421, R601, R602, R704	5	0699-1318	RESISTOR 1K +-1pct .125W TKF TC=0+-100	CRCW12061K00FKE_ RK73H2BT_1001F MCR18___F1001 232272461002L	VISHAY KOA ROHM YAGEO
R301, R302, R303, R402, R403, R422, R423, R424, R425, R432, R703, R733, R734, R735, R736	15	0699-1415	RESISTOR 100 +-1pct .125W TKF TC=0+-100	CRCW1206100RFKE_ RK73H2BT_1000F MCR18___F1000 232272461001L	VISHAY KOA ROHM YAGEO
R401, R404, R405, R406, R408, R409, R410, R413, R414, R416, R418, R419, R420, R426, R427, R428, R429, R705, R706	19	0699-2103	RESISTOR 49.9 +-1pct .125W TKF TC=0+-100	CRCW120649R9FKE_ RK73H2BT_49R9F MCR18___F49R9 232272464999	VISHAY KOA ROHM YAGEO

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
R407, R430, R431, R434, R505	5	0699-1354	RESISTOR 26.1 +-1pct .125W TKF TC=0+-100	CRCW120626R1FKE_ RK73H2BT_26R1F MCR18___F26R1 232272462619	VISHAY KOA ROHM YAGEO
R411, R412	2	0699-1427	RESISTOR 316 +-1pct .125W TKF TC=0+-100	CRCW1206316RFKE_ RK73H2BT_3160F MCR18___F3160 232272463161	VISHAY KOA ROHM YAGEO
R415, R417, R711, R712, R723, R724	6	0699-1431	RESISTOR 464 +-1pct .125W TKF TC=0+-100	CRCW1206464RFKE_ RK73H2BT_4640F MCR18___F4640 232272464641	VISHAY KOA ROHM YAGEO
R501, R502, R707, R709	4	0699-1344	RESISTOR 10 +-1pct .125W TKF TC=0+-100	CRCW120610R0FKE_ RK73H2BT_10R0F MCR18___F10R0 232272461009L	VISHAY KOA ROHM YAGEO
R503, R504, R506, R508, R509, R603	6	0699-1391	RESISTOR 10K +-1pct .125W TKF TC=0+-100	CRCW120610K0FKE_ RK73H2BT_1002F MCR18___F1002 232272461003L	VISHAY KOA ROHM YAGEO
R701	1	0699-1422	RESISTOR 196 +-1pct .125W TKF TC=0+-100	CRCW1206196RFKE_ RK73H2BT_1960F MCR18___F1960 232272461961L	VISHAY KOA ROHM YAGEO
R708	1	0699-1390	RESISTOR 9.09K +-1pct .125W TKF TC=0+-100	CRCW12069K09FKE_ RK73H2BT_9091F MCR18___F9091 232272469092	VISHAY KOA ROHM YAGEO

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
R713, R714, R715, R716, R722, R725, R726, R727	8	0699-1417	RESISTOR 121 +-1pct .125W TKF TC=0+-100	CRCW1206121RFKE_ RK73H2BT_1210F MCR18___F1210 232272461211	VISHAY KOA ROHM YAGEO
R717, R737	2	0699-2712	RESISTOR 255 +-1pct .125W TKF TC=0+-100	CRCW1206255RFKE_ RK73H2BT_2550F MCR18___F2550 232272462551	VISHAY KOA ROHM YAGEO
R718, R719, R728, R730	4	0699-1419	RESISTOR 147 +-1pct .125W TKF TC=0+-100	CRCW1206147RFKE_ RK73H2BT_1470F MCR18___F1470 232272461471L	VISHAY KOA ROHM YAGEO
R720, R721, R731, R732	4	0699-1379	RESISTOR 2.87K +-1pct .125W TKF TC=0+-100	CRCW12062K87FKE_ RK73H2BT_2871F MCR18___F2871 232272462872	VISHAY KOA ROHM YAGEO
RP201	1	1810-1128	NET-RES 15 4.7K OHM 16-PIN	767161472G SOMC16-01-472G 4816P-2-472LF	CTS VISHAY BOURNS
RP401, RP402, RP403	3	1810-1288	NET-RES 15 100.0 OHM 16-PIN	4816P-002-101 767161101G SOMC-16-01-101G	BOURNS CTS VISHAY
U101, U102, U103, U105, U106	5	1820-5941	IC DCDR-DEMUXR CMOS/ACT BIN 8-TO-1-LINE	MC74ACT138DG 74ACT138SCX	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U104, U512	2	1820-7312	IC SCHMITT-TRIG CMOS/ACT INV HEX	MC74ACT14DR2G SN74ACT14D	ON SEMICONDUCTOR TEXAS INSTRUMENTS
U201, U202, U203, U204, U208, U209, U210	7	1820-6471	IC TRANSCEIVER CMOS/HCT BUS OCTL	SN74HCT652DW	TEXAS INSTRUMENTS

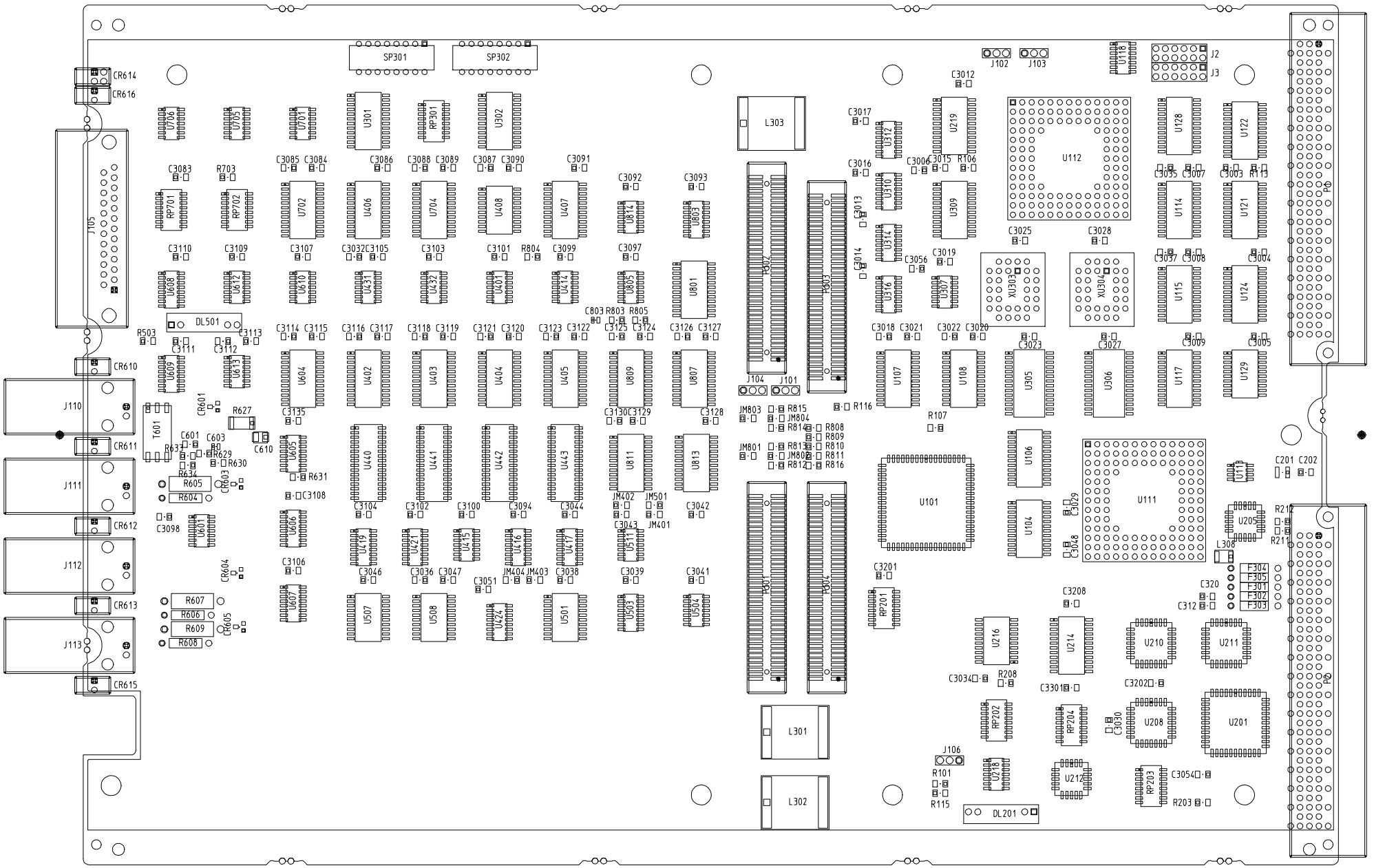
Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
U205, U206, U207	3	1820-7281	IC TRANSCEIVER CMOS/ACL BUS OCTL	74ACT11245DW	TEXAS INSTRUMENTS
U211	1	1820-8835	IC GATE CMOS/ACT AND TPL 3-INP	MC74ACT11D__G	ON SEMICONDUCTOR
U301, U308, U416	3	1820-5937	IC FF CMOS/AC D-TYPE POS-EDGE-TRIG	74AC74SCX-NL MC74AC74DG	FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR
U302	1	1820-4998	IC GATE TTL/F OR QUAD 2-INP	74F32SCX. N74F32D SN74F32D N74F32D	FAIRCHILD SEMICONDUCTOR PHILIPS TEXAS INSTRUMENTS NXP
U303, U314, U509	3	1820-5940	IC GATE CMOS/ACT AND QUAD 2-INP	MC74ACT08DG 74ACT08SCX.	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U304, U401, U402, U418, U503, U508, U516, U517, U601, U602, U610	11	1820-8830	IC MUXR/DATA-SEL CMOS/ACT 8-TO-1-LINE	74ACT251SCX	FAIRCHILD SEMICONDUCTOR
U305, U417, U510	3	5065-6694	LTB FOR E1445-66503		
U305, U417, U510a	1	1820-8831	IC CNTR TTL/F BIN-DOWN MULTI-MODE		
U306, U419, U511	3	1820-5752	IC FF CMOS/HC D-TYPE POS-EDGE-TRIG COM	MC74HC574ADWG 74HC574D MM74HC574WMX SN74HC574DW 74HC574D	ON SEMICONDUCTOR PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP
U307, U311	2	1820-5938	IC GATE CMOS/ACT NAND QUAD 2-INP	MC74ACT00DG SN74ACT00D 74ACT00SCX	ON SEMICONDUCTOR TEXAS INSTRUMENTS FAIRCHILD SEMICONDUCTOR

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
U309, U310, U505, U506, U507	5	1820-5040	IC FF TTL/F D-TYPE POS-EDGE-TRIG	74F74D 74F74SCX. SN74F74D 74F74D	PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP
U312, U519	2	1820-5944	IC GATE CMOS/ACT OR QUAD 2-INP	MC74ACT32DG 74ACT32SCX. CD74ACT32M	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS
U403, U404, U420	3	1820-7651	IC XLTR ECL/10KH TTL-TO-ECL OCTL	SN10KHT5543DW	TEXAS INSTRUMENTS
U405	1	1820-6520	IC GATE ECL/10KH OR-AND-INV DUAL 3-INP	MC10H117FN__G	ON SEMICONDUCTOR
U406, U408, U409, U413, U414, U423	6	1820-6521	IC GATE ECL/10KH OR-NOR TPL 3-INP	MC10H105FN__G	ON SEMICONDUCTOR
U407	1	1820-6781	IC MUXR/DATA-SEL ECL/10KH 8-TO-1-LINE	MC10H164FNG	ON SEMICONDUCTOR
U410, U412, U421, U424	4	1820-5629	IC FF ECL/10KH D-M/S POS-EDGE-TRIG	MC10H131FNG	ON SEMICONDUCTOR
U411	1	5188-2510	LTB FOR 1820-8816		
	1	1820-8816	IC MV ECL/10K MONOSTBL RETRIG		
U415, U425	2	1820-8829	IC XLTR ECL/10KH ECL-TO-TTL OCTL	SN10KHT5541DW	TEXAS INSTRUMENTS
U422	1	1820-5606	IC GATE ECL/10KH AND QUAD 2-INP	MC10H104FN__G	ON SEMICONDUCTOR
U501	1	5065-6690	LTB FOR E1445-66503		
	1	1813-0879	CRYSTAL OSC 40.0MHZ 0.005pct		
U502	1	5961-3091	LIFETIME BUY FOR P/N 1813-0831		
	1	1813-0831	CRYSTAL OSC 42.949672MHZ 0.005pct		
U504	1	1820-4687	IC GATE TTL/F NOR QUAD 2-INP	74F02SCX. N74F02D SN74F02D N74F02D	FAIRCHILD SEMICONDUCTOR PHILIPS TEXAS INSTRUMENTS NXP
U514, U515	2	1820-6141	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	SN74F251BD	TEXAS INSTRUMENTS

Reference Designator	QTY	Agilent Part Number	Description	MPN	Manufacturer
U518	1	1820-8728	IC GATE CMOS/ACT NOR QUAD 2-INP	MC74ACT02DR2G 74ACT02SCX.	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U603	1	1820-6008	IC MV CMOS/HC MONOSTBL RETRIG DUAL	74HC4538D MM74HC4538M 74HC4538D	PHILIPS FAIRCHILD SEMICONDUCTOR NXP
U605, U606, U608	3	1820-5943	IC MUXR CMOS/ACT QUAD 16-SOIC	74ACT257SC MC74ACT257DG	FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR
U607, U617	2	1820-7796	IC DRVR BICMOS/ABT LINE OCTL	74ABT244D SN74ABT244ADW 74ABT244D	PHILIPS TEXAS INSTRUMENTS NXP
U609	1	1820-8947	IC OSC CMOS 32-BIT 68-PLCC		
U611, U612, U613, U614, U615, U616	6	1820-8461	IC FF BICMOS/ABT D-TYPE POS-EDGE-TRIG	74ABT574AD SN74ABT574ADW 74ABT574AD	PHILIPS TEXAS INSTRUMENTS NXP
U618	1	1820-4377	IC GATE TTL/F NAND QUAD 2-INP	74F00SCX. N74F00D SN74F00D N74F00D	FAIRCHILD SEMICONDUCTOR PHILIPS TEXAS INSTRUMENTS NXP
U701	1	5969-5479	LIFETIME BUY FOR 1826-2440		
	1	1826-2440	IC COMPARATOR HS 8 PIN PLSTC-SOIC	AD9696KR	ANALOG DEVICES
U702	1	5000-0021	LTB for 1826-2441		
	1	1826-2441	IC-CONVERTER		
U704	1	1858-0114	TRANSISTOR ARRAY 16-PIN PLSTC SURFACE	MMPQ3906R1 MMPQ3906	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U705	1	1826-2203	IC COMPARATOR HS DUAL 20-PLCC	AD96687BPZ	ANALOG DEVICES
	1	E1445-26503	PC BOARD BLANK	E1445-26503	SANMINA-SCI

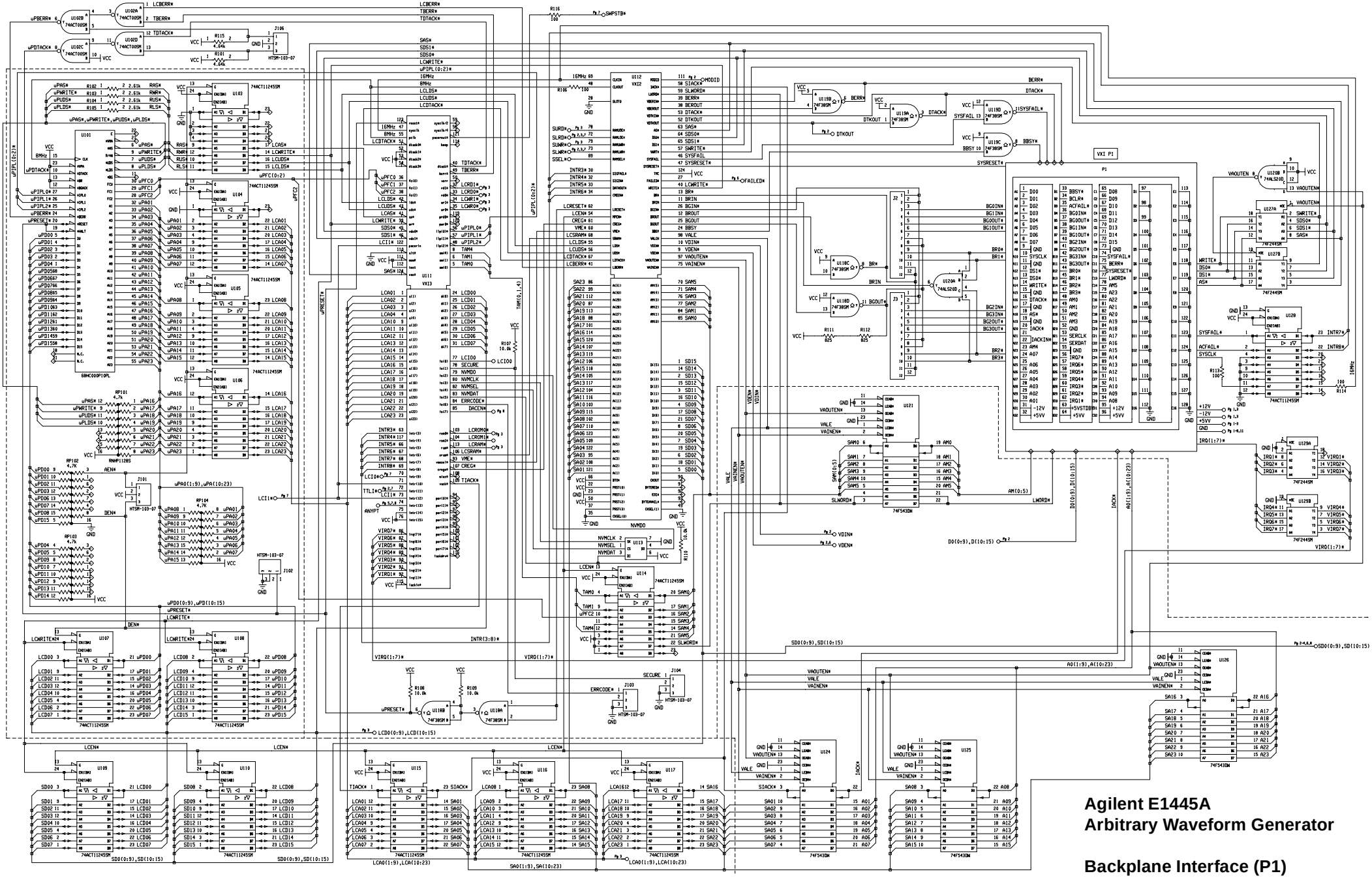
E1445-66511 Component Locator

TOP VIEW



Agilent E1445A
Arbitrary Waveform Generator

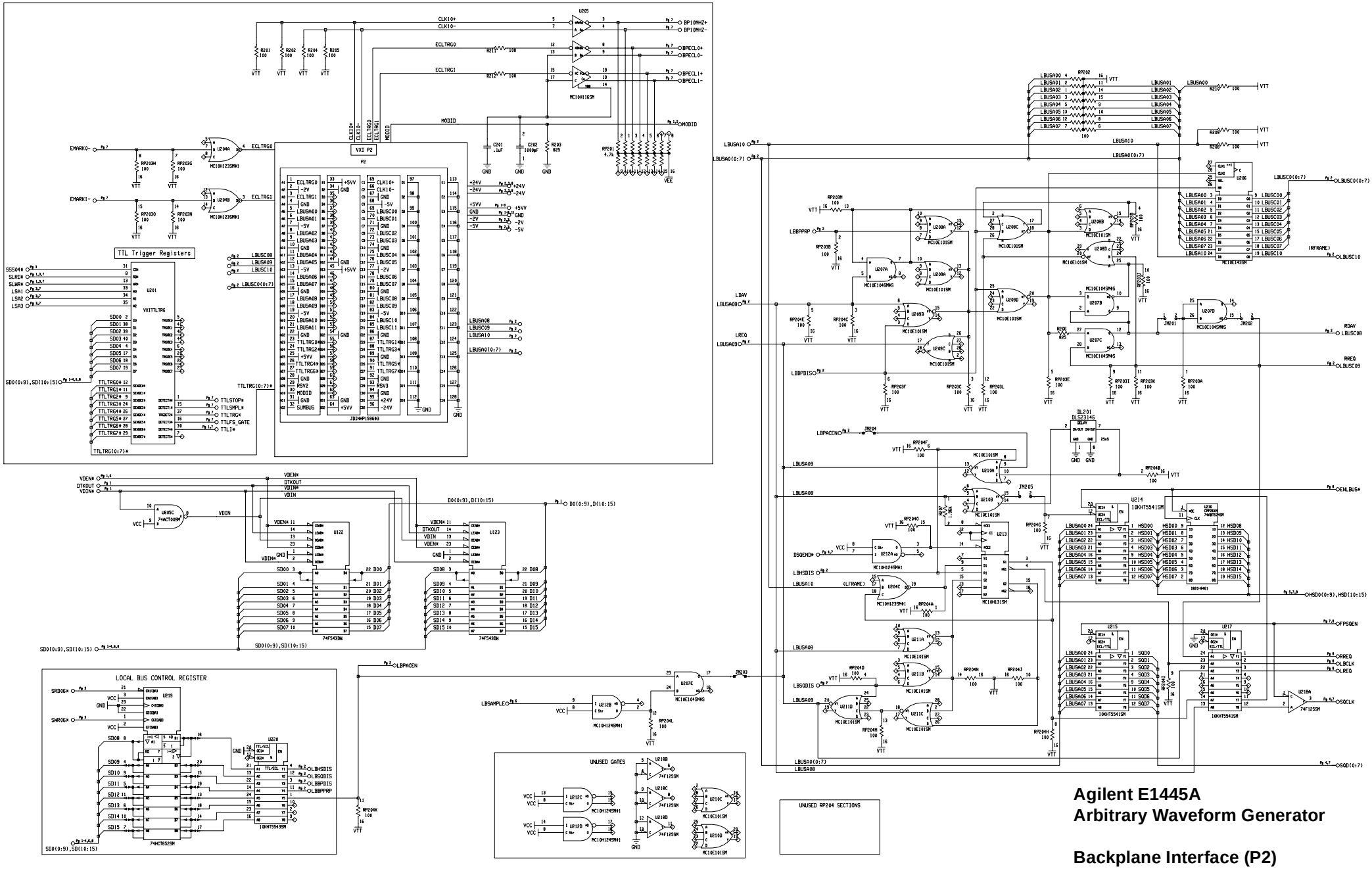
E1445-66511 Component Locator

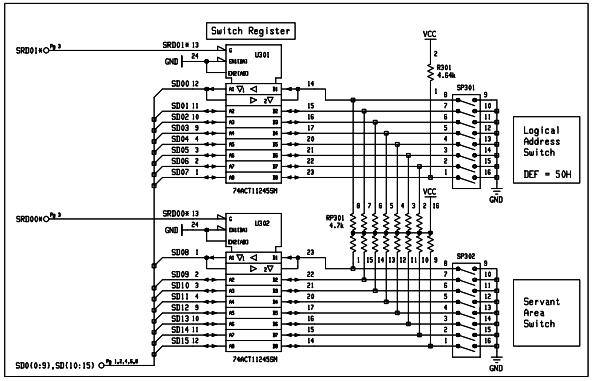


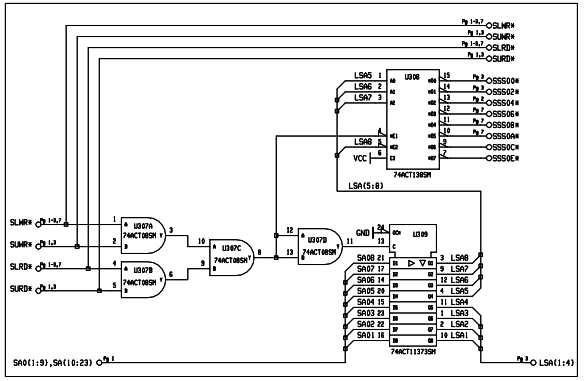
Agilent E1445A
Arbitrary Waveform Generator

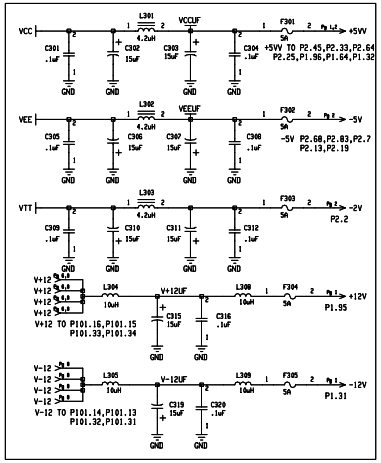
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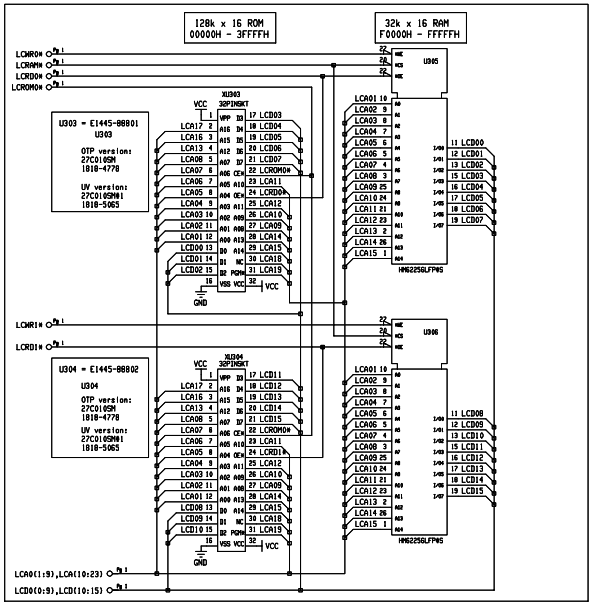
E1445-66511 page 1 of 11

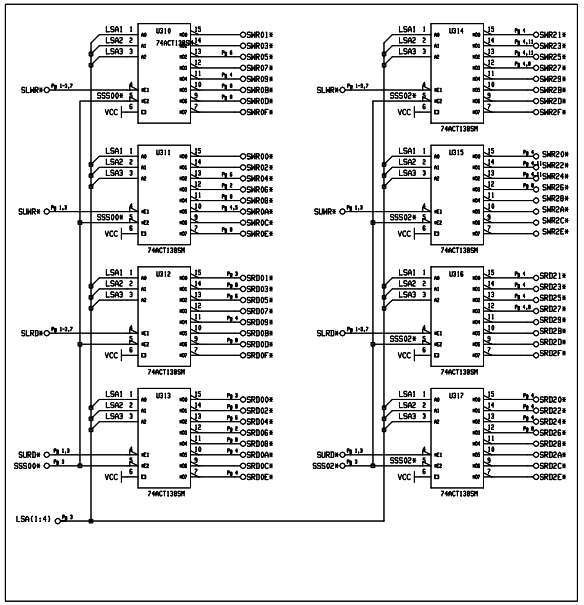

TTL Trigger Registers
LOCAL BUS CONTROL REGISTER
UNUSED GATES
UNUSED RP204 SECTIONS
VXI P2
JDIN#P1596K3
VXITTLTRG
74F543DW
74HCT652SM
10KHT5543SM
10KHT5541SM
74F125SM
MC10H123SM
MC10H124SM
MC10H131SM
MC10H165M
MC10E101SM
MC10E104SMS
MC10E143SM
MC10E149SMS
74ACT00SM
DL201
DLS23146
Agilent E1445A
Arbitrary Waveform Generator
Backplane Interface (P2)
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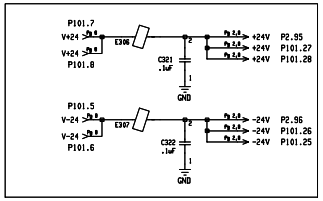


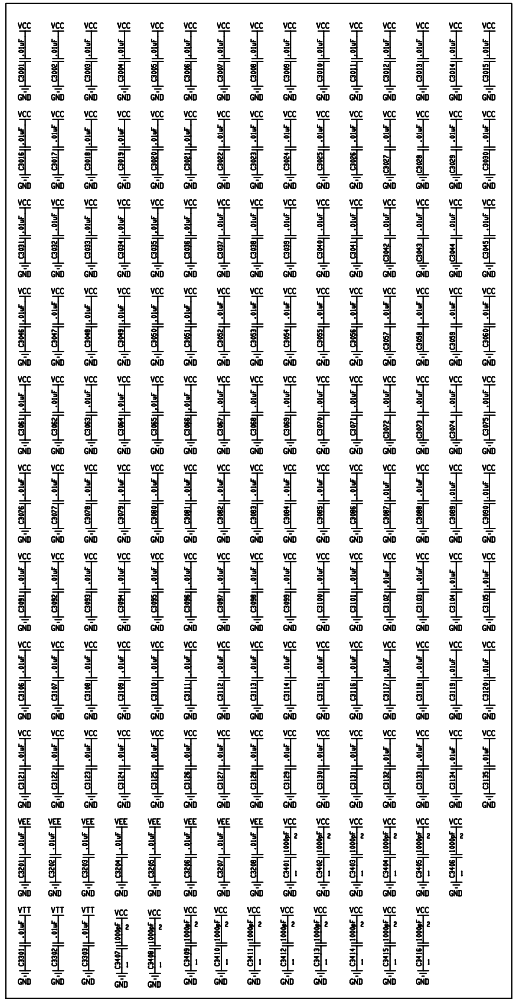








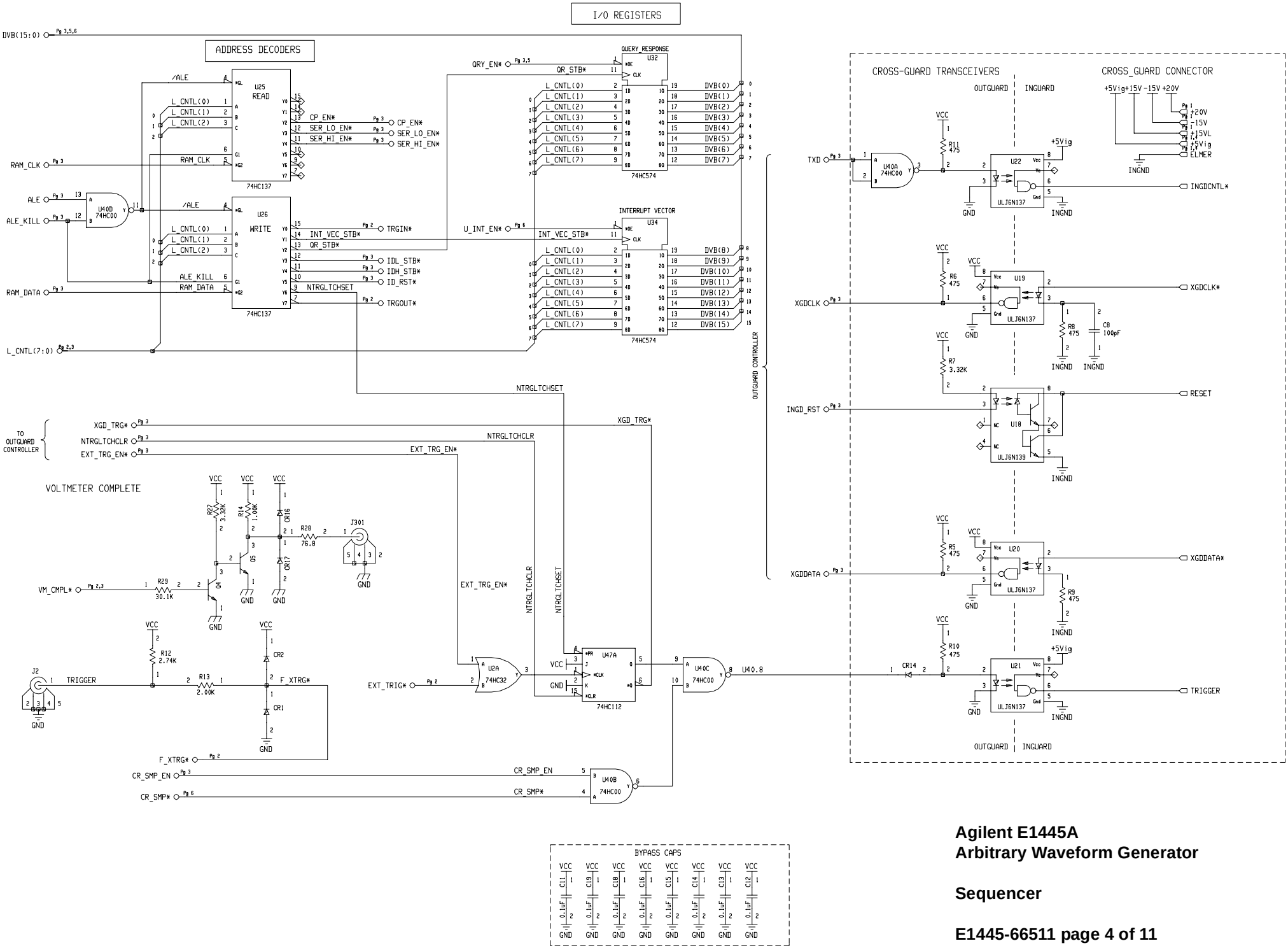




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Backplane Periphery

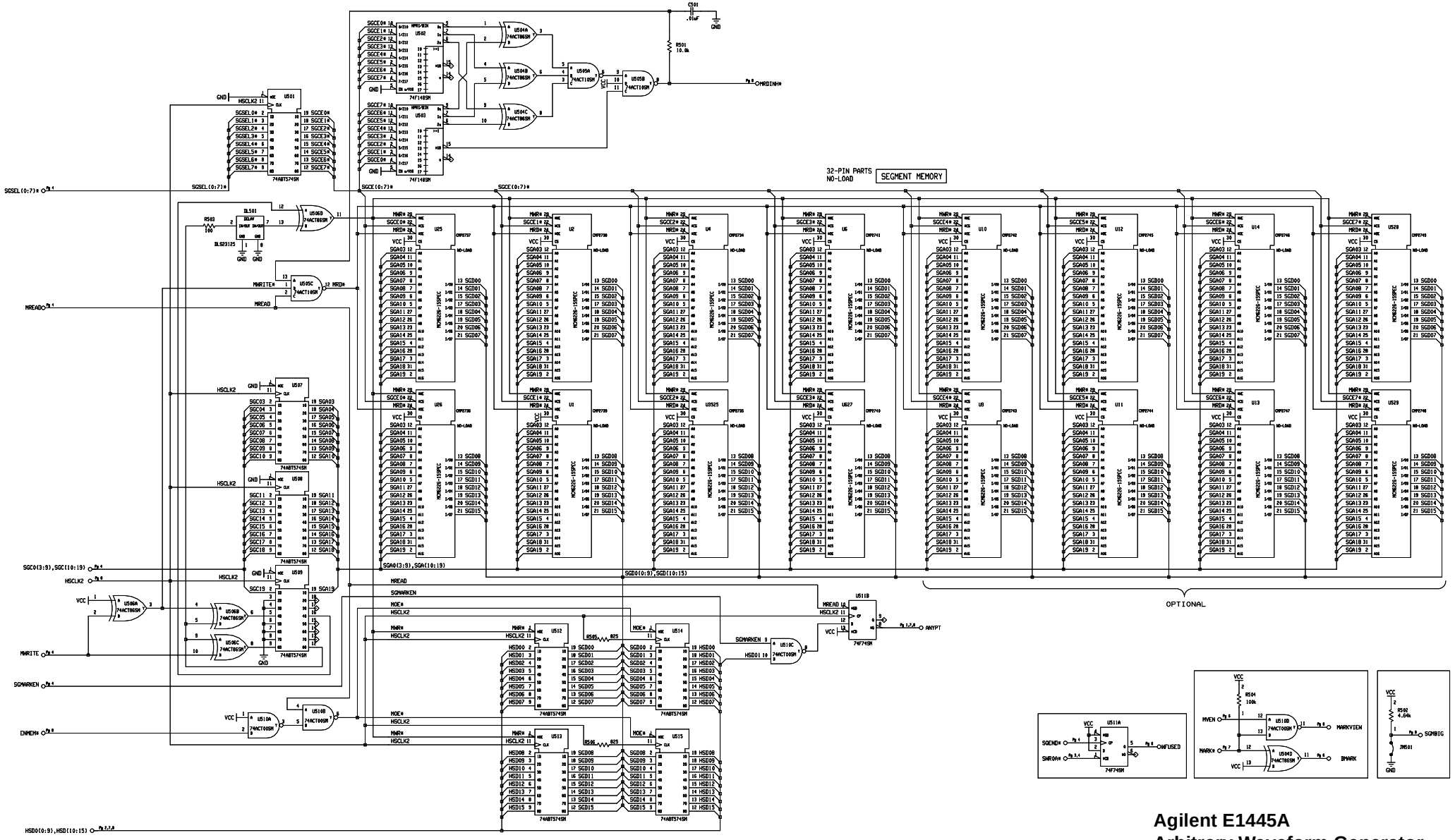
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Agilent E1445A
Arbitrary Waveform Generator

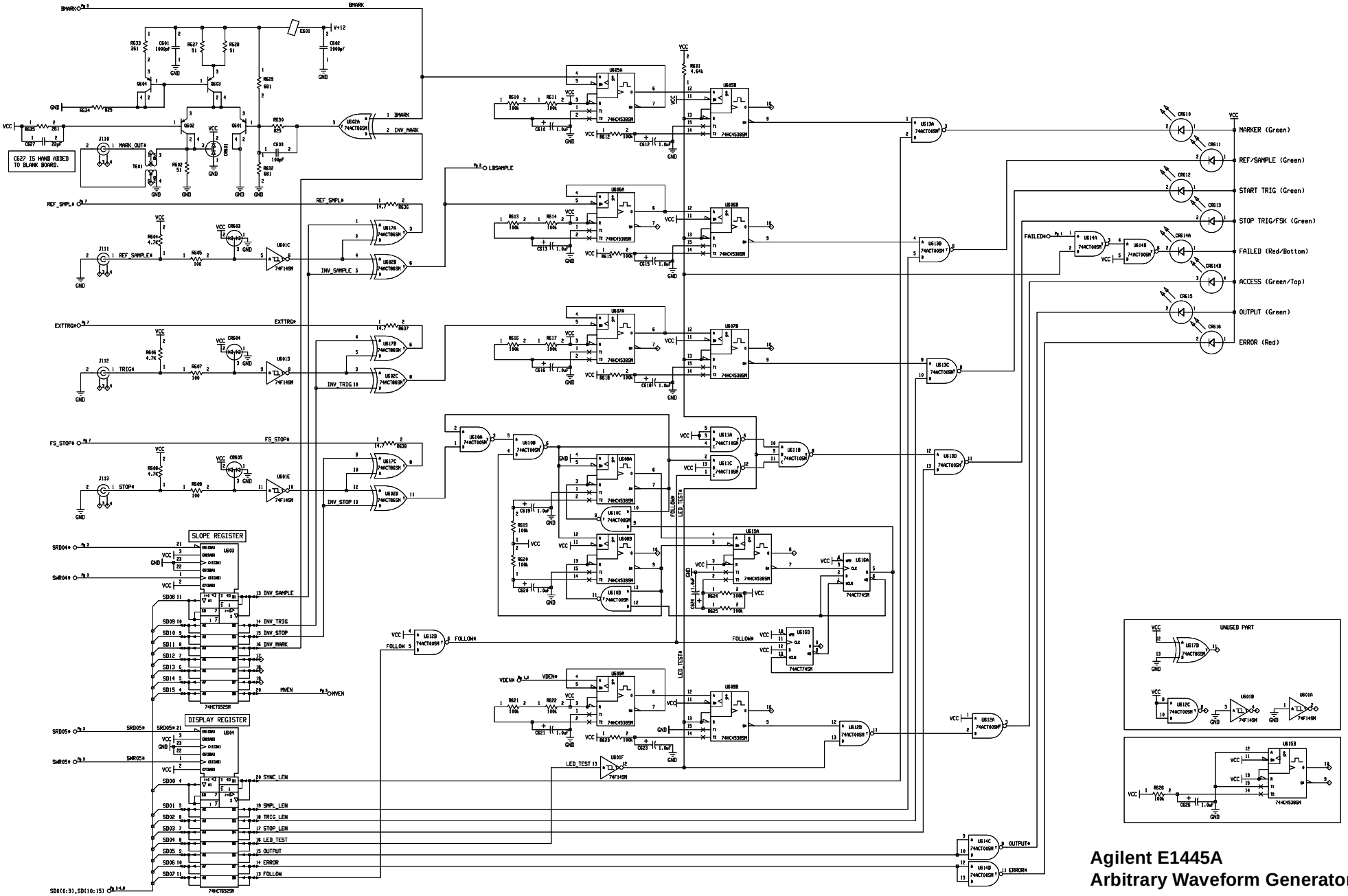
Sequencer

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Agilent E1445A
Arbitrary Waveform Generator

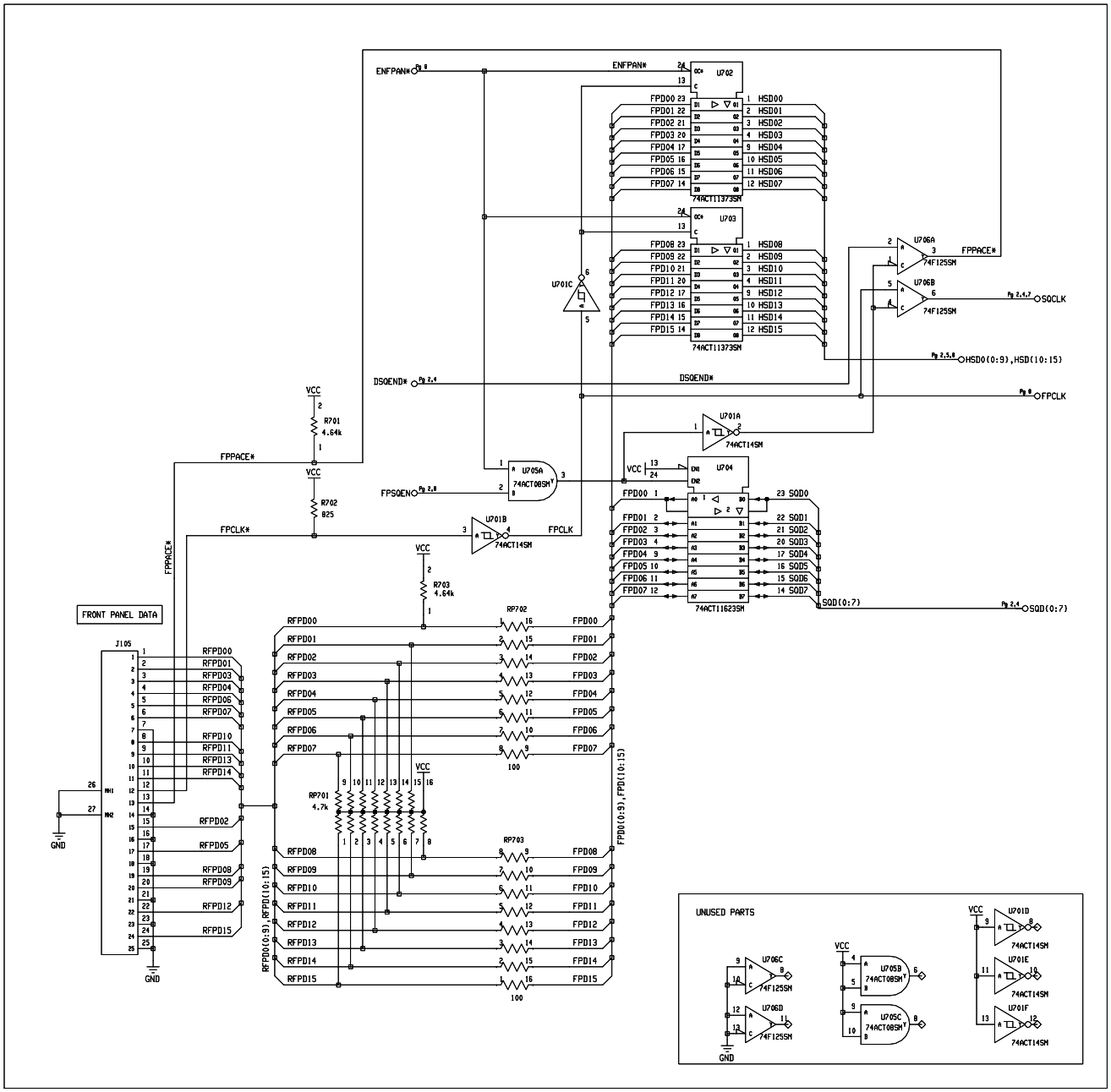
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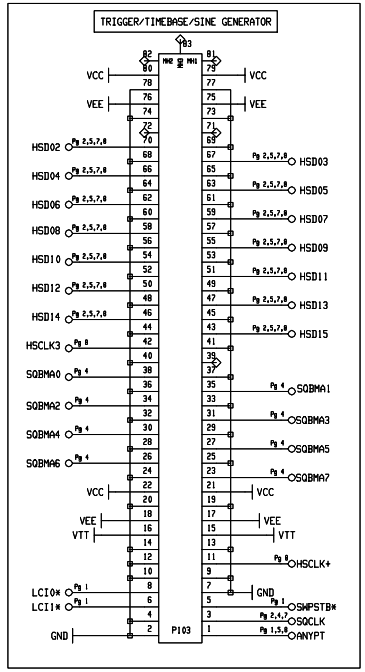


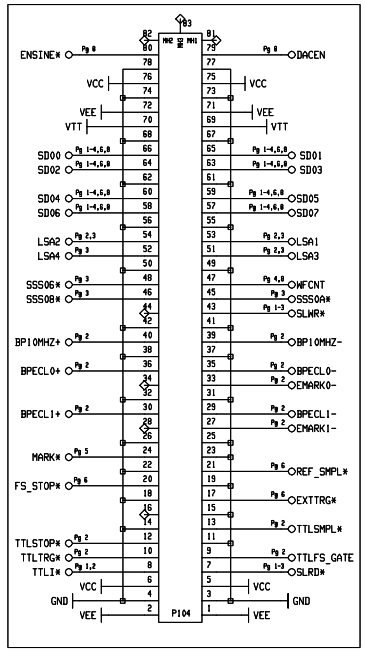
Agilent E1445A
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Front Panel Display

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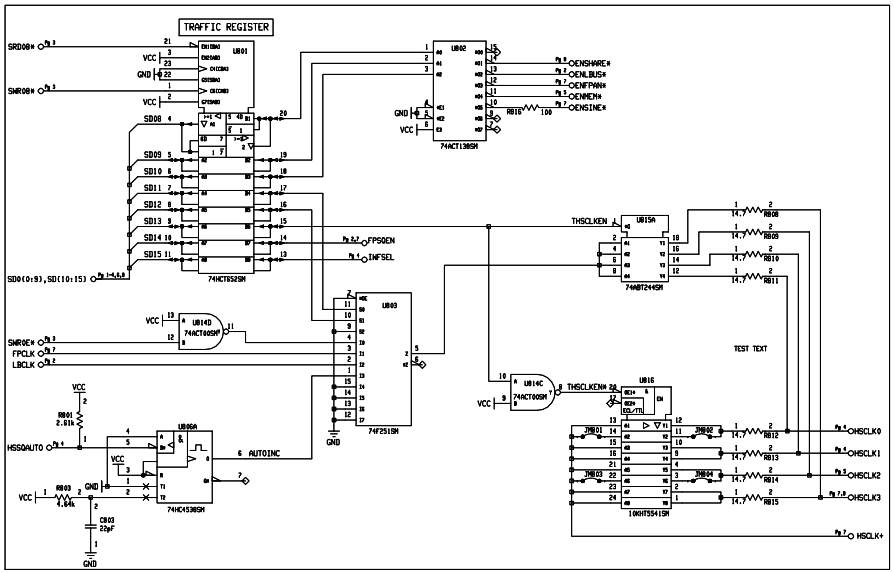


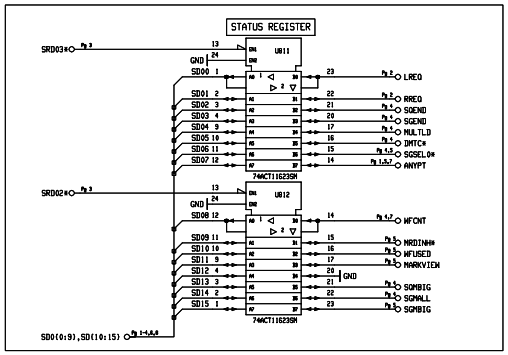


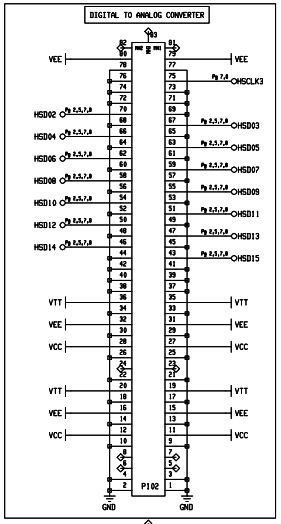
Agilent E1445A
Arbitrary Waveform Generator

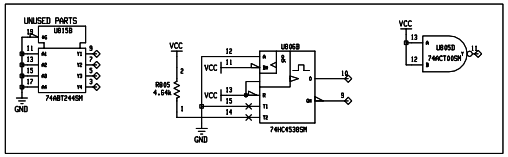
Front Panel Data Connector

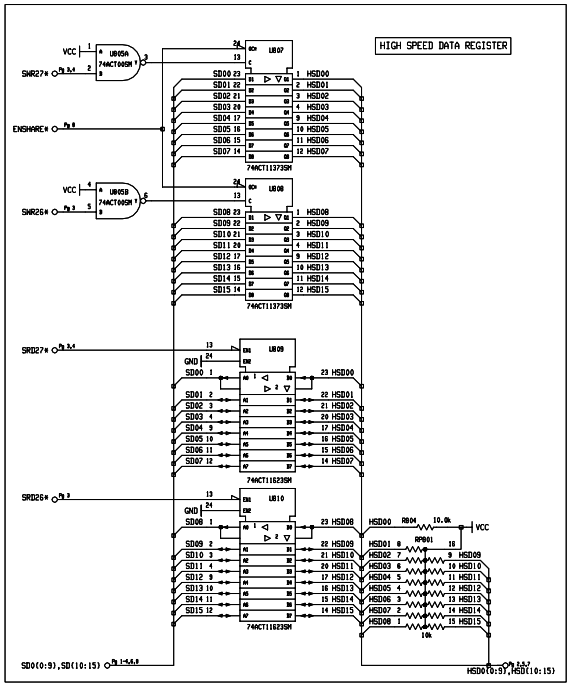
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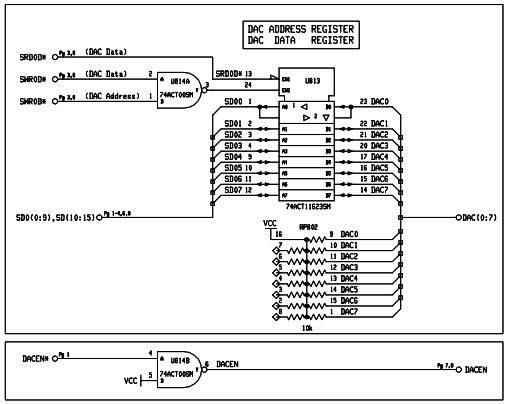


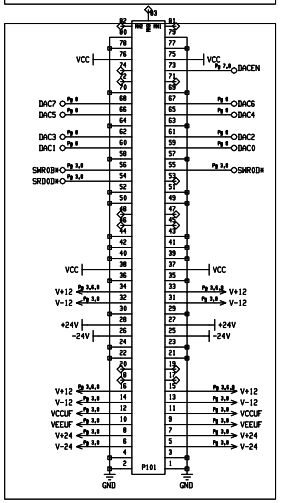












Agilent E1445A
Arbitrary Waveform Generator

Miscellaneous

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C201	1	12650	-4775	C3044	1	5050	-5225	C3125	1	5550	-3325	JM501	1	5950	-5125	R624	8	1150	-2700	U207	8	11250	-6600	U514	8	5900	-7075
C202	1	12900	-4775	C3045	8	8875	-4950	C3126	1	6250	-3325	JM801	1	6950	-4600	R625	8	1150	-2550	U208	1	11250	-7450	U515	8	5900	-8025
C301	8	7300	-7300	C3046	1	2900	-5925	C3127	1	6550	-3325	JM802	1	7250	-4600	R626	8	450	-3050	U209	8	12250	-7550	U520	8	750	-7225
C302	8	7400	-7775	C3047	1	3750	-5925	C3128	1	6550	-4225	JM803	1	6950	-4200	R627	1	1550	-4250	U210	1	11250	-6600	U521	8	750	-8175
C303	8	7500	-7525	C3048	1	10950	-5600	C3129	1	5775	-4225	JM804	1	7250	-4200	R628	8	1350	-4350	U211	1	12050	-6600	U522	8	1400	-7225
C304	8	11550	-6200	C3049	8	8350	-6575	C3130	1	5525	-4225	L301	1	7450	-7550	R629	1	1150	-4575	U212	1	10400	-8050	U523	8	1400	-8175
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C315	8	7150	-6525	C3058	8	1075	-7550	C3204	8	11675	-6425	P101	1	7151	-6005	R638	8	1025	-6025	U301	1	2900	-1025	U534	8	4650	-7225
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C603	1	1275	-4500	C3067	8	4325	-7550	C3402	8	7025	-5200	R102	8	10375	-3650	R809	1	7650	-4400	U312	1	8450	-1225	U606	1	2100	-5375
C610	1	1750	-4400	C3068	8	4325	-8500	C3403	8	7650	-6875	R103	8	10375	-3350	R810	1	7650	-4500	U313	8	8450	-1225	U607	1	2100	-6175
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C616	8	1750	-6000	C3072	8	5625	-8500	C3407	8	7675	-3250	R107	1	8950	-4300	R814	1	7250	-4300	U317	8	8450	-2875	U611	8	2200	-2800
C618	8	2425	-6100	C3073	8	6075	-7550	C3408	8	7275	-3325	R108	8	9700	-450	R815	1	7250	-4100	U401	1	4300	-2800	U612	1	1500	-2800
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C3034	1	9425	-6975	C3115	1	2350	-3325	JM201	8	11300	-6200	R614	8	2025	-5300	U124	1	12250	-2875	U504	1	6400	-6250				
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e1445_11 Tue Mar 21 13:00:04 MST 1995

Locations of parts on PCBoard

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Agilent E1445A
Arbitrary Waveform Generator

Component XY Cross Ref

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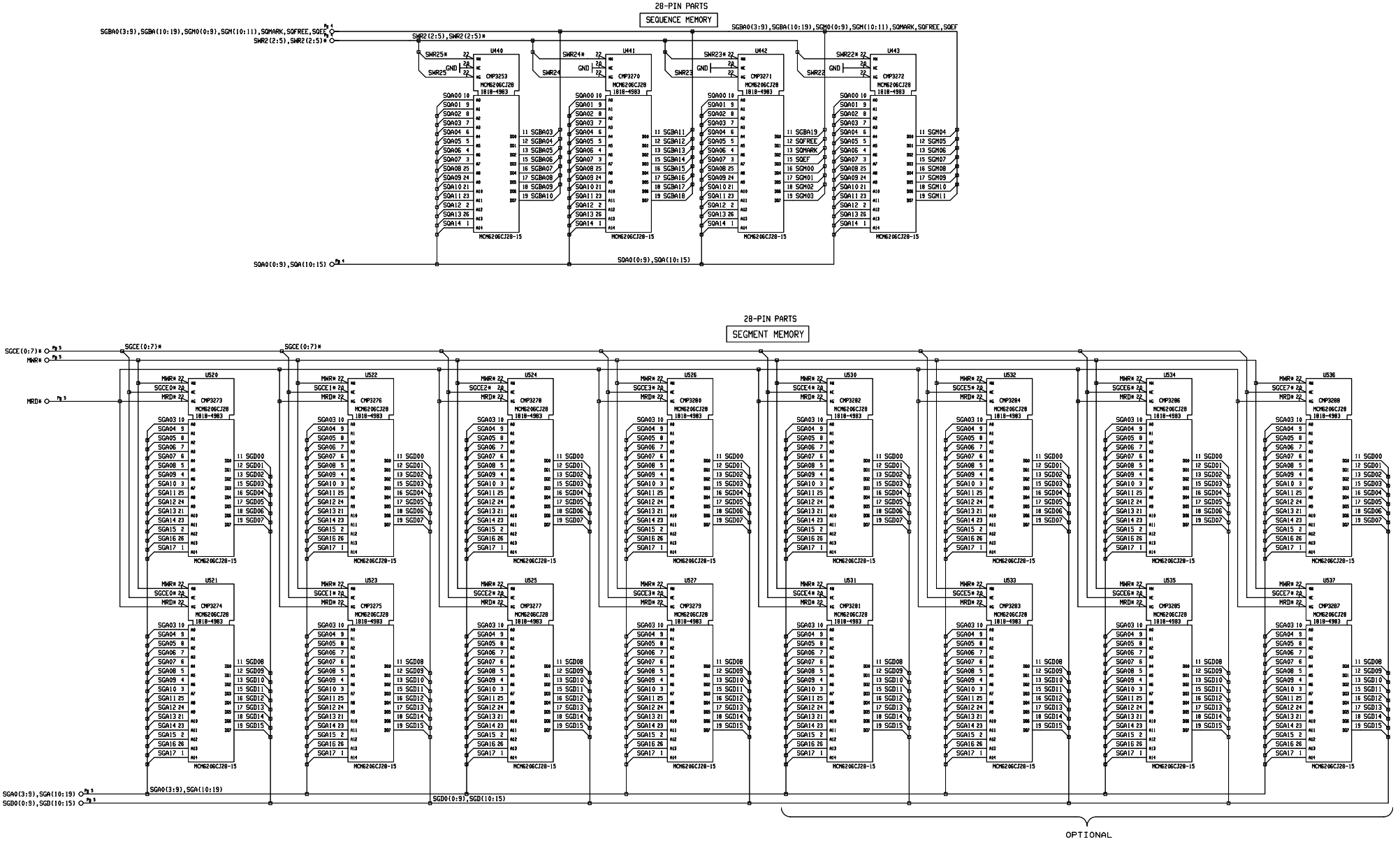
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R812	Pg08
R811	Pg08
R810	Pg08
R809	Pg08
R808	Pg08
R805	Pg08
R804	Pg08
R803	Pg08
R801	Pg08
R703	Pg07
R702	Pg07
R701	Pg07
R638	Pg06

R637	Pg06
R636	Pg06
R635	Pg06
R634	Pg06
R633	Pg06
R632	Pg06
R631	Pg06
R630	Pg06
R629	Pg06
R628	Pg06
R627	Pg06
R626	Pg06
R625	Pg06
R624	Pg06
R623	Pg06
R622	Pg06
R621	Pg06
R620	Pg06
R619	Pg06
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R505	Pg05
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R502	Pg05
R501	Pg05
R403	Pg04
R402	Pg04
R401	Pg04
R301	Pg03
R212	Pg02
R211	Pg02
R210	Pg02
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R208	Pg02
R207	Pg02
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R204	Pg02
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R202	Pg02
R201	Pg02
R116	Pg01
R115	Pg01
R114	Pg01
R113	Pg01
R112	Pg01
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R106	Pg01
R105	Pg01
R104	Pg01
R103	Pg01
R102	Pg01
R101	Pg01
Q604	Pg06
Q603	Pg06
Q602	Pg06
Q601	Pg06
P104	Pg07
P103	Pg07
P102	Pg08
P101	Pg08
P2	Pg02
P1	Pg01
L309	Pg03
L308	Pg03
L305	Pg03
L304	Pg03
L303	Pg03
L302	Pg03
L301	Pg03

JM804	Pg08
JM803	Pg08
JM802	Pg08
JM801	Pg08
JM501	Pg05
JM405	Pg04
JM404	Pg04
JM403	Pg04
JM402	Pg04
JM401	Pg04
JM205	Pg02
JM204	Pg02
JM203	Pg02
JM202	Pg02
JM201	Pg02
J113	Pg06
J112	Pg06
J111	Pg06
J110	Pg06
J106	Pg01
J105	Pg07
J104	Pg01
J103	Pg01
J102	Pg01
J101	Pg01
J3	Pg01
J2	Pg01
F305	Pg03
F304	Pg03
F303	Pg03
F302	Pg03
F301	Pg03
E601	Pg06
E307	Pg03
E306	Pg03
DL501	Pg05
DL201	Pg02
CR616	Pg06
CR615	Pg06
CR614 B	Pg06
CR614 A	Pg06
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CR605	Pg06
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CR601	Pg06
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C3414	Pg03
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C3119	Pg03
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C3007	Pg03
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C3004	Pg03
C3003	Pg03
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C3001	Pg03
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C621	Pg06
C620	Pg06
C619	Pg06
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C612	Pg06
C610	Pg06
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C601	Pg06
C501	Pg05
C322	Pg03
C321	Pg03
C320	Pg03
C319	Pg03
C316	Pg03
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C311	Pg03
C310	Pg03
C309	Pg03
C308	Pg03
C307	Pg03
C306	Pg03
C305	Pg03
C304	Pg03
C303	Pg03
C302	Pg03
C301	Pg03
C202	Pg02
C201	Pg02



Agilent E1445A
Arbitrary Waveform Generator

Para Ram

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
BAG1	1	9222-1368	BAG-STAT-SHLD POLYM/MET ALY/POLYM FLM	1915 8000 9222-1368 9222-1368 9222-1368 9222-1368 STRATO GREY	3M SIMCO FORCEFIELD STATIC MANAGEMENT SPECIALTY ENTERPRISES STATIC CONTROL COMPONENTS SWIFTMODE BAY PACKAGING
C201	1	0160-6222	CAP-FXD 0.1uF +-10pct 50 V CER X7R	12105C104KAT A C1210C104K5RAC C3225X7R1H104K GRM32MR71H104KA01 L VJ1210Y104KXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C202, C3401-C3416, C601, C602	19	0160-6731	CAP-FXD 1000pF +-10pct 50 V CER X7R	12065C102KAT A C1206C102K5RAC C3216X7R1H102K GRM316R71H102KD01 D	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING
C3001-C3135, C3201-C3208, C3301-C3303, C501	147	0160-6736	CAP-FXD 0.01uF +-10pct 50 V CER X7R	12065C103KAT A C1206C103K5RAC C3216X7R1H103K GRM316R71H103KD01 D VJ1206Y103KXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C301, C304, C305, C308, C309, C312, C316, C320, C321, C322	10	0160-6497	CAP-FXD 0.1uF +-10pct 50 V CER X7R	12065C104KAT A 2238 581 15649 C1206C104K5RAC C3216X7R1H104KT GRM319R71H104KA01 D VJ1206Y104KXAMT	AVX YAGEO KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C302, C303, C306, C307, C310, C311, C315, C319	8	0180-3922	CAP-FXD 15uF +-20PCT 20V TA	TAJD156M020 NRD156M20R12	AVX NEC ELECTRONICS

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
C603	1	0160-5967	CAP-FXD 100pF +-5pct 50 V CER C0G	08055A101JAT A C0805C101J5GAC C2012COG1H101J GRM2165C1H101JA01 D VJ0805A101JXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
C610, C612, C613, C615, C616, C618, C619, C620, C621, C623, C624, C626	12	0180-3751	CAP-FXD 1uF +-20PCT 35V TA	TAJB105M035 293D105X0035B2E3 ESVB21V105M SK-1V105M-RB	AVX VISHAY NEC ELECTRONICS ELNA
C627, C803	2	0160-5961	CAP-FXD 22pF +-5pct 50 V CER C0G	08055A220JAT A C0805C220J5GAC C2012COG1H220J GRM2165C1H220JD01 D VJ0805A220JXAMT	AVX KEMET ELECTRONICS TDK MURATA MANUFACTURING VISHAY
CR601, CR603, CR604, CR605	4	1906-0291	DIODE-DUAL 70V 100MA T0-236AA	BAV99 BAV99 BAV99LT1G BAV99_____X_ BAV99	PHILIPS FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR INFINEON TECHNOLOGIES NXP
CR610-CR613, CR615	5	1990-1448	LED-LAMP ARRAY LUM-INT=1.5MCD	553-0302	DIALIGHT
CR614	1	1990-1364	LED-LAMP ARRAY LUM-INT=800UCD	553-0321	DIALIGHT
CR616	1	1990-1507	LED-LAMP LUM-INT=800UCD IF=20MA-MAX	553-0301	DIALIGHT
DL201	1	1810-1609	DELAY LINE PASSIVE DEVICE W/SINGLE		
DL501	1	1810-1515	DELAY LINE PASSIVE DEVICE W/SINGLE		
E306, E307, E601	3	9170-1421	CORE-SHIELDING BEAD IMAX 1500MA	MI1210K600R-10	STEWARD
F301-F305	5	2110-0699	FUSE-SUBMINIATURE 5A 125V NTD AX UL-LST	0251005.	LITTELFUSE

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
HDW1-HDW9	9	0380-1234	SPACER-PRESS-IN 0.500 IN LG; 0.143 IN ID	KFE-143-16-ZI	PENN ENGINEERING & MFG
J101-J104, J106	5	1252-6555	CONN-POST TYPE .100-PIN-SPCG-MTG-END	HTSW-103-07-S-S-LL	SAMTEC
J105	1	1252-1201	CONN-RECT D-SUBMIN 25-CKT 25-CONT	5788800-1 DM11323-D4	TYCO ELECTRONICS AMP HON HAI PRECISION INDUSTRY
J110-J113	4	1250-2012	CONNECTOR-RF BNC FEMALE PC-W-STDFS	5227676-1	TYCO ELECTRONICS AMP
J2, J3	2	1251-5150	CONN-HDR VERT 12-PIN 2.54MM 2-ROW	67996-112HLF	FCI FRAMATOME BERG
JM1, JM2, JM3, JM4, JM5, JM6, JM7	7	1258-0209	JUMPER-REMOVABLE 2 POSITION; .250 IN	68786-202LF 382811-6	FCI FRAMATOME BERG TYCO ELECTRONICS AMP
JM203, JM204, JM402, JM403, JM405, JM501, JM801-JM804	10	0699-1503	RESISTOR 0 CWM	CRCW12060000ZSE_ RK73Z2BT MCR18___J000 232271191005	VISHAY KOA ROHM YAGEO
L301, L302, L303	3	9140-1935	INDUCTOR 4.2uH +20pct -20pct	PE-53681	TECHNITROL
L304, L305, L308, L309	4	9140-1113	INDUCTOR 10uH +-5pct 3.4W-mmX4.8LG-mm Q=50	SMRF1812-102J	GOWANDA ELECTRONICS
LBL1	1	7121-0850	LABEL-ANTISTATIC 1.81-IN-WD 2.5-IN-LG	7101 7101 7121-0850	R S HUGHES 3M GM NAMEPLATE
LBL2	1	7121-5729	LBL-LNE-PTR; 1.5-IN-WD X .25-IN-L	THT-45-457-10	BRADY
LBL3	1	9320-6241	LBL-PG-PTR; .625-IN-WD X .25-IN-LG	9320-6241	BRADY
MP1, MP2, MP3, MP4, MP5, MP6, MP7, MP8	8	0624-0729	SCREW-TPG 2-56 .25-IN-LG PAN-HD-TORX T8	0624-0729	ILLINOIS TOOL WORKS
P1, P2	2	1252-1596	CONN-POST TYPE 2.54-PIN-SPCG-MTG-END	10-8557-096-002-025 536010-5 DIN-96CPC-SRI-TR	KYOCERA TYCO ELECTRONICS AMP 3M
P101-P104	4	1252-4481	CONN-POST TYPE .050-PIN-SPCG-MTG-END	5-104549-9	TYCO ELECTRONICS AMP
PCB1	1	E1445-26511	BLANK PCB	E1445-26511	AGILENT TECHNOLOGIES
Q601-Q604	4	5000-0019	LTB for 1853-0728		

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
Q601-Q604a	1	1853-0728	TRANSISTOR PNP SI SOT-223 PD-1000MW	PZT3906	FAIRCHILD SEMICONDUCTOR
R101, R115, R301, R401, R402, R403, R502, R631, R701, R703, R803, R805	12	0699-1384	RESISTOR 4.64K +-1pct .125W TKF TC=0+-100	CRCW12064K64FKE_ RK73H2BT_4641F MCR18___F4641 232272464642L	VISHAY KOA ROHM YAGEO
R102, R103, R104, R105, R801	5	0699-1378	RESISTOR 2.61K +-1pct .125W TKF TC=0+-100	CRCW12062K61FKE_ RK73H2BT_2611F MCR18___F2611 232272462612L	VISHAY KOA ROHM YAGEO
R106, R113, R114, R116, R201, R202, R204, R205, R208, R209, R210, R211, R212, R503, R816	15	0699-1415	RESISTOR 100 +-1pct .125W TKF TC=0+-100	CRCW1206100RFKE_ RK73H2BT_1000F MCR18___F1000 232272461001L	VISHAY KOA ROHM YAGEO
R107, R108, R109, R110, R501, R804	6	0699-1391	RESISTOR 10K +-1pct .125W TKF TC=0+-100	CRCW120610K0FKE_ RK73H2BT_1002F MCR18___F1002 232272461003L	VISHAY KOA ROHM YAGEO
R111, R112, R203, R2	9	0699-1437	RESISTOR 825 +-1pct .125W TKF TC=0+-100	CRCW1206825RFKE_ RK73H2BT_8250F MCR18___F8250 232272468251	VISHAY KOA ROHM YAGEO
R207	1	0699-1375	RESISTOR 1.96K +-1pct .125W TKF TC=0+-100	CRCW12061K96FKE_ RK73H2BT_1961F MCR18___F1961 232272461962L	VISHAY KOA ROHM YAGEO
R504, R610, R611, R612, R613, R614, R615, R616, R617, R618, R619, R620, R621, R622, R623, R624, R625, R626	18	0699-1330	RESISTOR 100K +-1pct .125W TKF TC=0+-100	CRCW1206100KFKE_ RK73H2BT_1003F MCR18___F1003 232272461004L	VISHAY KOA ROHM YAGEO
R602, R627, R628	3	0699-2859	RES-FXD 51 OHM +-5PCT 1W TC 0+-200	CRCW251251R0JNE_ RK73B3AT__510J MCR100___J510	VISHAY KOA ROHM

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
R604, R606, R608	3	0699-2515	RESISTOR 4.7K +-5pct .25W CC TC=-400/+700		
R605, R607, R609	3	0699-6715	RESISTOR 100 OHM +-5pct .5W	CF 1/2 C ___ 101 J	KOA
R629, R632	2	0699-1435	RES-FXD 681 OHM +-1PCT .125W TC 0+-100	CRCW1206681RFKE_ RK73H2BT_6810F MCR18___F6810 232272466811	VISHAY KOA ROHM YAGEO
R633, R635	2	0699-1425	RESISTOR 261 +-1pct .125W TKF TC=0+-100	CRCW1206261RFKE_ RK73H2BT_2610F MCR18___F2610 232272462611L	VISHAY KOA ROHM YAGEO
R636-R638, R808-R815	11	0699-1348	RESISTOR 14.7 +-1pct .125W TKF TC=0+-100	CRCW120614R7FKE_ RK73H2BT_14R7F MCR18___F14R7 232272461479L	VISHAY KOA ROHM YAGEO
RP101, RP102, RP103, RP104, RP201, RP301, RP701	7	1810-1128	NET-RES 15 4.7K OHM 16-PIN	767161472G SOMC16-01-472G 4816P-2-472LF	CTS VISHAY BOURNS
RP202-RP204	3	1810-1288	NET-RES 15 100.0 OHM 16-PIN	4816P-002-101 767161101G SOMC-16-01-101G	BOURNS CTS VISHAY
RP702, RP703	2	1810-1231	NET-RES 8 100.0 OHM 16-PIN	4816P-001-101 767163101G SOMC16-03-101G	BOURNS CTS VISHAY
RP801, RP802	2	1810-1064	NET-RES 15 10.0K OHM 16-PIN	767161103G SOMC-16-01-103G 4816P-2-103LF	CTS VISHAY BOURNS
RVT1, RVT2, RVT3, RVT4	4	0361-1393	RIVET-BLIND DR-PIN UNIV-HD .098DIA	1189-2510	TEXTRON
SP301, SP302	2	3101-2243	SWITCH-DIP RKR 8-1A 0.05A 30VDC	76YY22318ST	GRAYHILL
T601	1	9100-4902	TRANSFORMER-RF FREQ. RANGE: 15-400 MHz	T1-1-KK81	MINI-CIRCUITS

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
U101	1	1820-5845	IC 16-BIT MPU W/COUNTER, PLCC 10MHZ	MC68HC000EI10	FREESCALE SEMICONDUCTOR
U102, U430, U510, U610, U612, U613, U614, U805, U814	9	1820-5938	IC GATE CMOS/ACT NAND QUAD 2-INP	MC74ACT00DG SN74ACT00D 74ACT00SCX	ON SEMICONDUCTOR TEXAS INSTRUMENTS FAIRCHILD SEMICONDUCTOR
U103-U110, U114-U117, U128, U301, U302	15	1820-7281	IC TRANSCEIVER CMOS/ACL BUS OCTL	74ACT11245DW	TEXAS INSTRUMENTS
U111	1	5188-2562	LTB for 1820-7041		
	1	1820-7041	IC-ASIC		
U112	1	5188-2537	LTB FOR 1820-6693		
	1	1820-6693	IC-ASIC	SCX6B64ABS/U6	NATIONAL SEMICONDUCTOR
U113	1	1818-5236	IC 4K-BIT EEPROM 500-NS CMOS	93LC66B/SN	MICROCHIP TECHNOLOGY
U118, U119	2	1820-4861	IC BFR TTL/F NAND QUAD 2-INP	N74F38D-T N74F38D-T	PHILIPS NXP
U120	1	1820-5075	IC GATE TTL/ALS NAND DUAL 4-INP	SN74ALS20AD	TEXAS INSTRUMENTS
U121, U122, U123, U124, U125, U126	6	1820-6207	IC TRANSCEIVER TTL/F REG OCTL	74F543D 74F543SCX. SN74F543DW 74F543D	PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP
U127, U129	2	1820-5218	IC DRVR TTL/F LINE OCTL	74F244D 74F244SCX. SN74F244DW 74F244D	PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP
U201	1	E1445-88803	PRGMD 1820-8180 OTP	E1445-88803	MEMEC UNITED
	1	1820-8180	IC PLD OTP-EPLD UNPRGMD CMOS 5064		
U204	1	1820-6714	IC DRVR ECL/10KH BUS TPL	MC10H123FNG	ON SEMICONDUCTOR
U205	1	1820-5607	IC RCVR ECL/10KH LINE TPL	MC10H116FNG	ON SEMICONDUCTOR

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
U206	1	1820-7647	IC RGTR ECL/10E STOR 9-BIT	SY10E143JY MC10E143FNG	MICREL ON SEMICONDUCTOR
U207	1	1820-7650	IC GATE ECL/10E AND-NAND QUINT 2-INP	SY10E104JY MC10E104FNG	MICREL ON SEMICONDUCTOR
U208-U211	4	1820-7649	IC GATE ECL/10E OR-NOR QUAD 4-INP	MC10E101FNG	ON SEMICONDUCTOR
U212	1	1820-6524	IC XLTR ECL/10KH TTL-TO-ECL QUAD	MC10H124FN__G	ON SEMICONDUCTOR
U213	1	1820-5629	IC FF ECL/10KH D-M/S POS-EDGE-TRIG	MC10H131FNG	ON SEMICONDUCTOR
U214, U215, U217, U816	4	1820-8829	IC XLTR ECL/10KH ECL-TO-TTL OCTL	SN10KHT5541DW	TEXAS INSTRUMENTS
U216, U408, U501, U507, U508, U509, U512, U513, U514, U515	10	1820-8461	IC FF BICMOS/ABT D-TYPE POS-EDGE-TRIG	74ABT574AD SN74ABT574ADW 74ABT574AD	PHILIPS TEXAS INSTRUMENTS NXP
U218, U706	2	1820-5053	IC BFR TTL/F LINE QUAD	74F125SCX. N74F125D N74F125D	FAIRCHILD SEMICONDUCTOR PHILIPS NXP
U219, U406, U407, U603, U604, U801	6	1820-6471	IC TRANSCEIVER CMOS/HCT BUS OCTL	SN74HCT652DW	TEXAS INSTRUMENTS
U220	1	1820-7651	IC XLTR ECL/10KH TTL-TO-ECL OCTL	SN10KHT5543DW	TEXAS INSTRUMENTS
U303	1	E1445-88804	PROGRAMMED PART		
	1	1818-4778	IC 1M-BIT OTP 150-NS CMOS		
U304	1	E1445-88805	PROG ROM		
	1	1818-4778	IC 1M-BIT OTP 150-NS CMOS		
U305, U306, U411, U412	4	1818-4218	IC SRAM 256K-BIT 70-NS CMOS 28-SOIC	CY62256NLL-70SNC	CYPRESS SEMICONDUCTOR
U307, U705	2	1820-5940	IC GATE CMOS/ACT AND QUAD 2-INP	MC74ACT08DG 74ACT08SCX.	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR
U308, U310, U311, U312, U313, U314, U315, U316, U317, U802	10	1820-5941	IC DCDR-DEMUXR CMOS/ACT BIN 8-TO-1-LINE	MC74ACT138DG 74ACT138SCX	ON SEMICONDUCTOR FAIRCHILD SEMICONDUCTOR

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
U309, U702, U703, U8	5	1820-7282	IC LCH CMOS/ACL TRANSPARENT OCTL	74ACT11373DW	TEXAS INSTRUMENTS
U401, U701	2	1820-7312	IC SCHMITT-TRIG CMOS/ACT INV HEX	MC74ACT14DR2G SN74ACT14D	ON SEMICONDUCTOR TEXAS INSTRUMENTS
U402, U403, U404, U405, U409, U410, U704, U809, U810, U811, U812, U813	12	1820-8821	IC TRANSCEIVER CMOS/ACL BUS OCTL	74ACT11623DW	TEXAS INSTRUMENTS
U414, U431, U432, U433, U511	5	1820-5040	IC FF TTL/F D-TYPE POS-EDGE-TRIG	74F74D 74F74SCX. SN74F74D 74F74D	PHILIPS FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS NXP
U415	1	1820-5948	IC GATE TTL/F AND TPL 3-INP	74F11SCX. N74F11D N74F11D	FAIRCHILD SEMICONDUCTOR PHILIPS NXP
U416, U417, U418, U419, U420, U421, U422, U423, U426, U427, U428, U429	12	1820-8822	IC CNTR CMOS/ACT BIN SYNCHRO	74ACT161SCX. MC74ACT161D__G	FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR
U424, U425, U434	3	1820-6436	IC SHF-RGTR TTL/F SYNC/ASYNC	74F194D 74F194D	PHILIPS NXP
U435, U436	2	1820-6999	IC GATE TTL/F NAND DUAL 4-INP 14-SOIC	74F20SCX N74F20D SN74F20D N74F20D	FAIRCHILD SEMICONDUCTOR PHILIPS TEXAS INSTRUMENTS NXP
U440-U443, U520-U527, U530-U537	20	1818-4983	IC 256K-BIT SRAM 15-NS CMOS	IDT71256SA15YG CY7C199CN-15VXC	IDT CYPRESS SEMICONDUCTOR

Reference Designator	Quantity	Agilent Part Number	Description	MPN	Manufacturer
U502,U503	1	5000-0026	LTB for 1820-6850		
	2	1820-6850	IC ENCDR TTL/F PRIORITY 8-TO-3-LINE	74F148D	PHILIPS
U504, U506, U602, U617	4	1820-8825	IC GATE CMOS/ACT EXCL-OR QUAD	MC74ACT86DG	ON SEMICONDUCTOR
U505, U611	2	1820-8820	IC GATE CMOS/ACT NAND TPL 3-INP	74ACT10SC MC74ACT10D__G	FAIRCHILD SEMICONDUCTOR ON SEMICONDUCTOR
U601	1	1820-5566	IC SCHMITT-TRIG TTL/F INV HEX	74F14SCX. N74F14D N74F14D	FAIRCHILD SEMICONDUCTOR PHILIPS NXP
U605-U609, U615, U806	7	1820-6008	IC MV CMOS/HC MONOSTBL RETRIG DUAL	74HC4538D MM74HC4538M 74HC4538D	PHILIPS FAIRCHILD SEMICONDUCTOR NXP
U616	1	1820-6473	IC FF CMOS/ACT D-TYPE POS-EDGE-TRIG	MC74ACT74DG SN74ACT74D 74ACT74SCX	ON SEMICONDUCTOR TEXAS INSTRUMENTS FAIRCHILD SEMICONDUCTOR
U803	1	1820-6141	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	SN74F251BD	TEXAS INSTRUMENTS
U815	1	1820-7796	IC DRVR BICMOS/ABT LINE OCTL	74ABT244D SN74ABT244ADW 74ABT244D	PHILIPS TEXAS INSTRUMENTS NXP
XU303, XU304	2	5969-5438	LTB OF 1200-1417 (MXD/0960)		
	1	1200-1417	SOCKET-IC-PLCC 32-CONT RECT DIP-SLDR	1-822473-3	TYCO ELECTRONICS AMP

Manual Part Number: 5989-5867EN
Printed in U.S.A. November 2006
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