

























Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CC0805KPX7R9104	C200, C201, C300,	FP-GRM21B-0_15-	CMP-2007-03541-2	
TOOTH	0805 Capacitor	C301, C304, C400	IPC_C	-2007*033#1°Z	ļ
	Chip Multilayer				
4.7p	Ceramic Capacitors for General Purpose,	C202, C203	FP-GRM21B-0_15-	CMP-2007-03541-2	
4. /p	0805, 10uF, X5R, 15%,	0202, 0203	IPC_C	CIVII -2007-03541-2	
	10%, 25V	<u> </u>		<u> </u>	<u> </u>
lu .	CAP ALUM 1UF 20%	C302	FP-SB-MFG	CMD 05427 000070 1	
lu	50V SMD	U3U2	I F"-3D-IVIFG	CMP-05427-000070-1	
	Aluminum				
	Electrolytic				
	Capacitor, 100 uF, +/-				
100u	20%, 16 V, 2-Pin SMD (Size Code D), -40 to	C303	PNSC-HA-V-D_V	CMP-2000-06219-2	
	105 degC, RoHS, Tape				
	and Reel				
NI BAFAI		D200, D201, D202,	DI BASAI	DI BASA	
DLP05CL		D203, D301, D302	DLP05CL	DLP05CL	
SS13A-YAN	SMA Shocttky	D300	FP-95400-MFG	CMP-02539-000001-1	
BZM55C10-TR	DIODE ZENER 10V	D304	FP-6_560-5007_01-4-	CMP-02541-000004-1	
	500MW MICROMELF		MFG		
	LED Red, 65 mW, -40		LLIB DV CA AL		
RED	to 85 degC, 2-Pin SMD, RoHS, Tape and	DS400	LUMX-SML- LX1206IC_V	CMP-2000-07123-1	
	Reel		LX 12001C_V		
	LED Green, 75 mW, 30		1	1	
ODEEN	mA, -30 to 85 degC, 2-		DIAL-597-3311-	CN 4D 2000 25155	
GREEN	Pin SMD, RoHS, Tape	DS401	407F_V	CMP-2000-05651-1	
	and Reel				
10A	0501010.WR	F100	FP-3413_0330_22-	CMP-26293-000001-1	
	1206		MFG	20270-00001-1	
160mA	3413.0008.11	F101	FP-3413_0330_22-	CMP-26293-000001-1	
	1206 Ultra fast fuse SM005.60		MFG	 	
50mA	SM005-60 1210 PTC fuse	F300	FP-1210L-MFG	CMP-08606-000032-1	
	12 IO F IC IUSE		BananaConnector_4	BananaConnector_4_	
D-3230		J100, J101	mm_long	Long	
			BananaConnector_4	BananaConnector_4_	
D-3231		J102	mm_long	Long	
BananaConnector_4_		J200, J201	BananaConnector_4	BananaConnector_4_	
ong			mm_long	Long	
BNC		J202	BNC_Routed_Hole	BNC	
Nire_solder_2		J300	WireSolder	Wire_solder_2	
lumpor 1206		JU100, JU400, JU401,	lumnor 1006	Jumper_1206	
lumper_1206		JU402, JU500, JU501, JU502, JU503	Jumper_1206	Julipel_1206	
lumper_0805		JU404, JU405, JU406	JUMPER_0805	Jumper_0805	
Shielding		MH400	Shielding_1720	Shielding_can_1720	
Ground_Screw		MS400, MS401	Shielding_Screw	Ground_Screw	
AO3418	MOSFET N-CH 30V	Q300	FP-SOT23-MFG	CMP-83955-000005-1	
403410	3.8A SOT23	Q300	1 F-30123-WI G	CIVIF -03733-000003-1	
	NPN Silicon AF				
BC847C	Transistor, 45 V	Q400	INF-SOT23_L	CMP-1177-00037-1	
	VCEO, 100 mA IC,	1	I -		
	SOT23, Reel, Green WW25RR010FTI	 	FP-CRCW2512-e3-	 	
R01	1206 Resistor	R100	MFG	CMP-02407-004199-1	
ion.	AR1206-10R-0.1%				
IOR	1206 Resistor	R101	FP-RC1206-MFG	CMP-2100-03681-2	
	AR1206-10K-0.1%				
	1206 precission	R102, R301, R303,			
0k	reistor,	R304, R400, R402,	FP-RC1206-MFG	CMP-2100-03681-2	
	WR12X3300FTL	R404, R405]	
	1206 Resistors	Dago Dago Sago	-		
330	WR12X3300FTL	R200, R201, R202,	FP-RC1206-MFG	CMP-2100-03681-2	
	1206 Resistors	R302, R401, R403		 	-
18k	AR1206-18K-0.1% 1206 Resistor	R203, R204	FP-RC1206-MFG	CMP-2100-03681-2	
	AR1206-2K-0.1%				
2k	1206 Resistor	R205, R206	FP-RC1206-MFG	CMP-2100-03681-2	
S203011AQN	SWITCH SLIDE DP3T	SW100	FP-JS203011AQN-	CMP-10038-000017-1	
JEUJUT IMUN	300MA 6V	JVV 100	MFG	CIVIF - 10030-00001/-1	
S202011AQN	SWITCH SLIDE DPDT	SW101, SW300	FP-JS202011AQN-	CMP-10038-000021-1	
	300MA 6V	,	MFG		
DPA388IDBVT	IC OPAMP ZER-DRIFT	U200, U201	FP-DBV0005A-MFG	CMP-04895-000311-1	
	1CIRC SOT23-5 IC OPAMP GP 1				
.MV321	CIRCUIT SOT23-5	U300	FP-DBV0005A-IPC_B	CMP-04895-000202-1	
	IC GP LV		†	 	
.MV331IDBVR	COMPARATOR SOT-	U400	FP-DBV0005A-MFG	CMP-04896-000030-1	
AVOUI CO VIC	23-5	3.30	DDV GGGA-IVII G	5.VII -04070-000030-1	
	Precision		1		
	Micropower Shunt	1			
LM4041D12QDBZR	Voltage Reference,	1			
	1.0% accuracy, 1.225	1			
	V, 15 ppm / degC, 12	U401	DBZ0003A_N	CMP-0366-00795-2	
	mA, -40 to 125 degC,	1	_]	
	3-pin SOT-23 (DBZ),	1]	
	Green (RoHS & no	1	1		

Design Rules Verification ReportFilename: C:\Users\Public\Documents\Altium\LVCurrent\Main.PcbDoc

Warnings 2 Rule Violations 0

Warnings	
Unplated multi-layer pad(s) detected	2
Total	2

Rule Violations	
Clearance Constraint (Gap=0.254mm) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=0.254mm) (Max=4.572mm) (Preferred=0.305mm) (All)	0
Power Plane Connect Rule(Relief Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Hole Size Constraint (Min=0.025mm) (Max=6.3mm) (All)	0
Hole To Hole Clearance (Gap=0.54mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	0
Silk To Solder Mask (Clearance=0.05mm) (IsPad),(All)	0
Silk to Silk (Clearance=0.254mm) (All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=50mm) (Prefered=12.7mm) (All)	0
Total	0

Unplated multi-layer pad(s) detected Pad MS400-1(65.332mm,94.956mm) on Multi-Layer on Net VGND Pad MS401-1(4.332mm, 4.384mm) on Multi-Layer on Net VGND

Electrical Rules Check Report

Class	Document	Message
Warning	Amplifier.SchDoc	Off grid Port Shunt_Voltage at 1060.803mil,4900mil