













Comment	Description	Designator	Footprint	LibRef	Quantity
C1206C104J5RAC780	CAPCER0.1UF50V	C1, C4, C9, C11	CAP_1206	CAPCER100nF1206	4
0	X7R1206		G-1200	G. 1 GE 1100III 1200	
GMC31X5R476M25NT	CAP CER47UF25V X5R1206	C2, C3	CAP_1206	CAPCER47uF1206	2
C3216C0G2J102J085A A	CAPCER1nF1206	C5	CAP_1206	CAPCER1nF1206	1
C1206C470J5GAC780	CAP CER 47PF 50V	C6	CAP_1206	CAPCER47pF1206	1
0	C0G/NP0 1206	ω	G 1 _1200	O/1 OE(4/pi 1200	'
CL21A475KAQNNNE	CAP CER4.7uF %10 0805	C7, C8	CAP_0805	CAPCER4.7uF0805	2
C3216C0G2J103J160A A	CAPCER10nF1206	C10, C12	CAP_1206	CAPCER10nF1206	2
B340AE-13	SMAT/R	D1	SMA	B340A	1
150120BS75000	Led, Blue, 470 Nm, 3.2 V, 30 Ma, 145 Mcd Rohs Compliant: Yes Wurth Elektronik 150120BS75000	D2	LED_BLUE_1206	LED BLUE 1206	1
150120GS75000	WL-SMCW SMTMono- Color Chip LED Waterclear	D3	LED_GREEN_1206	LED GREEN 1206	1
282836-2	Connector, Terminal Block; Wire Receptacle; 2 Pos.; 16- 30 AWG; 0.197 in. CL; Sid	J1, J2	TERMINAL	2x1 TERMINAL5mm	2
2x1 Male Header		J3, J4	2x1 Male Header	2x1 Male Header	2
2.54mm	40.1140.404		2.54mm	2.54mm	_
SRI1004	10uH 10X10 4.8A - SMD Güç Bobini - SR11004	L1	IND_1010	IND10uH	1
PMR18EZPJ000	Res Thick Film 12060 Ohm 5% Molded SMD Paper T/R	RI	RES_1206	RES0 OHM 1206	1
RC1206JR-0710KL	RES10KOHM5% 1/4W1206	R2	RES_1206	RES10KOHM1206	1
RC1206JR-073K3L	RES3.3KOHM5% 1/4W1206	R3	RES_1206	RES3K3 OHM 1206	1
RES33KOHM5% 1/4W1206	SMD Chip Resistor, 33 kOhm, �5%, 250 mW, 1206 [3216 Metric], Thick Film, General Purpose	R4	RES_1206	RES33KOHM1206	1
RES330KOHM5% 1/4W1206	RES330KOHM5% 1/4W1206	R5	RES_1206	RES330KOHM1206	1
RES68KOHM5% 1/4W1206	RES68KOHM5% 1/4W1206	R6	RES_1206	RES68KOHM1206	1
RC1206FR-07680RL	SMD Chip Resistor, 680 Ohm, �1%, 250 mW, 1206 [3216 Metric], Thick Film, General Purpose	R7, R8	RES_1206	RES680 OHM 1206	2
IC REG BUCKADJ3A 8SOIC	3.5V to 28V Input, 3A, 570kHz Step-Down Converter with Eco- mode 8-SOIC -40 to 150	и	SOIC8_PAD	TPS64331DR	1

Design Rules Verification ReportFilename: C:\Users\asli\Desktop\GITHUB\Buck_Converter\Buck_Co

Warnings 0 Rule Violations 0

Warnings Total 0

Rule Violations	
Clearance Constraint (Gap=0.2mm) (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=0.16mm) (Max=50mm) (Preferred=10mm) (All)	0
Power Plane Connect Rule(Direct Connect)(Expansion=0.508mm) (Conductor Width=0.254mm) (Air Gap=0.254mm)	0
Minimum Annular Ring (Minimum=0.15mm) (All)	0
Hole Size Constraint (Min=0.15mm) (Max=6.3mm) (All)	0
Hole To Hole Clearance (Gap=0.254mm) (All),(All)	0
Minimum Solder Mask Sliver (Gap=0.254mm) (All),(All)	0
Silk To Solder Mask (Clearance=0.2mm) (IsPad),(All)	0
Silk to Silk (Clearance=0.3mm) (All),(All)	0
Net Antennae (Tolerance=0mm) (All)	0
Height Constraint (Min=0mm) (Max=25.4mm) (Prefered=12.7mm) (All)	0
Total	0

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