

Item #	Designator	Description	Comment	Quantity	Column Name Error: 'Manufacturer'	Column Name Error: 'Manufacturer Part Number'
1	C1, C9	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1206, X5R, 10uF, 50V	10uF	2		
2	C2, C10	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 220nF, 50V	220nF	2		
3	C3	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 1uF, 25V	1uF, 25V	1		
4	C4	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 100nF, 25V	100n	1		
5	C5, C7	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X5R, 22uF, 10V	22uF, 10V	2		

Footprint
WCAP-CSGP_1206_L3.2W1.6H1.6
WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow
WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow
WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow
WCAP-CSGP_0805_L2W1.25H1.25

6	C6	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 470nF, 50V	470nF	1		
7	C8	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 100nF, 50V	100nF	1		
8	D1	D; Si; 1000V; 1A; 1x;	S1M	1		
9	D2, D3, D4		BAV99	3		
10	J1, J2, J3	Con; Micro Fit 3.0; 3x; PCB; Right angle; 250V; 5A; Male; Tin; ??;	43650-0300	3		
11	J7	Con; Micro Fit 3.0; 2x; PCB; Right angle; 600V; 5A; Male; Nickel; ??;	43650-0200	1		
12	L1	WE-LHMI SMT Power Inductor, size 7030, 2.2uH, 6.5A	2.2uH, 6.5A	1		
13	LED1		green	1		

WCAP-CSGP_0805_L2W1.25H1.25
WCAP- CSGP_0805_L2W1.25H0.8_Reflow
DIOM5127X23N(SMA)
SOT95P230X110-3N(SOT23)
MOLEX_43650-0300
MOLEX_43650-0200
WE-LHMI_7030
0805LEDG

14	R1, R4, R5	100000.00, 24000.00, 2200.00	Thick film	3		
15	R6	R; 470k; 0.125W; 1%; 150V; Thick Film; ±100ppm/K; 1x;	470k	1		
16	R7	R; 100k; 0.125W; 1%; 150V; Thick Film; ±100ppm/K; 1x;	100k	1		
17	U1		NUCLEO F466 MORPHO LEFT	1		
18	U2	IC; SMPS Regulator/Controller; 3.8V; 36V; 1x;	LMR33630ARNX	1		
19	U3		GPS Click	1		

RES_0603
RESC2012X06N(SMR0805)
RESC2012X06N(SMR0805)
Nucleo_bot_pads
QFN50P200X300X100-12N
GPS click - no legs