processing

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power

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IC3
AP7375-50SA-7

10V_SUPP — 1	VIN	GND — 3 — GND
C22 1u — 2	VOUT	

10V to 3V LDO

3V_SUPP

IC1
TPS61288RQQR

fb_2 — 1	FB_1	SW_2	9 — sw_1
— 2	COMP	AGND	10 — pgnd_1
GND — pgnd_1 — 3	PGND_1	VCC	11 — GND
sw_1 — 4	SW_1	FB_2	12 — fb_2
vout_2 — 5	VOUT_1	PGND_2	13 — pgnd_1
— 6	EN	VOUT_2	14 — vout_2
vin_1 — 7	VIN_1	VIN_2	15 — vin_1
— 8	BST		

Buck Boost Converter

C18 39n
R19 28.7k
C14 82p
C21 2.2u — GND
C17 100n
L1 DR127-3R3-R
cathode
C12 10u
C13 100n
C23 47u
R28 768k
R29 48.7k
10V_SUPP

IC2
AZ1117CH2-3.3TRG1

10V_SUPP — 1	INPUT	ADJ/GND_2	4
— 2	ADJ/GND_1		
3.3V_SUPP — 3	OUTPUT		

10V to 3.3V LDO

C19 10u
C20 22u
GND

D1
SM74611KTTR

F1 Fuse	1 — ANODE_1	CATHODE_2 — 4 — cathode
	2 — CATHODE_1	
	3 — ANODE_2	

TP1 TestPoint
TP2 TestPoint
GND

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