

Ref ROM= 7

OTP FUSE ARRAY

	D7	D6	D5	D4	D3	D2	D1	D0	Data
Addr0	0	0	0	0	0	0	0	1	1
Addr1	0	0	0	0	0	0	0	0	0
Addr2	0	0	0	0	0	0	0	0	0
Addr3	0	0	0	0	0	0	0	0	0
RomF0	1	1	0	0	1	1	1	0	202
RomF1	0	0	0	0	0	0	0	0	0
RomF2	0	0	0	0	0	0	0	0	0
RomF3	0	0	0	0	0	0	0	0	0
RomF4	0	0	0	0	0	0	0	0	0
RomF5	0	0	0	0	0	0	0	0	0
RomF6	0	0	0	0	0	0	0	0	0
sel_rom	0								

Set to 1 for E version only

AS3658E Version=3.5

Sequence

Marvell Aspen AP168

Boot-ROM Mapping Table for Code = xx / please only modify Data-Column

ROMFx	ROM-Adr.	D7	D6	D5	D4	D3	D2	D1	D0	Data	Register	Section	Description
0	0	1	1	0	0	1	0	1	0	202	Step Down Voltage1	Bank 7	clkhw=1; freq=1.1MHz; VBUCK=1.1V
1	1	0	1	0	1	1	0	0	0	88	Step Down Voltage2		clkhw=0; freq=1.1MHz; VBUCK=1.8V
2	2	0	1	0	1	1	0	0	0	88	Step Down Voltage3		clkhw=0; freq=1.1MHz; VBUCK=1.8V
3	3	0	0	0	1	1	0	1	0	29	LDO_RF1 Voltage		swprot_en=0; icurr_en=0; VRF1=3.3V
4	4	0	0	0	1	1	1	0	1	29	LDO_RF2 Voltage		double_reset=0; slow_startup=0; icurr_en=0; VRF2=3.3V
5	5	0	0	0	1	1	1	0	1	29	LDO_RF3 Voltage		rf3_hotplug_en=0; icurr_en=0; VRF3=3.3V
6	6	0	0	0	1	1	1	1	0	30	LDO_DIG1 Voltage		VDIG1=1.8V
7	7	0	0	1	0	1	0	1	0	42	LDO_DIG2 Voltage		VDIG2=2.5V
8	8	0	0	1	0	1	0	1	0	42	LDO_DIG3 Voltage		VDIG3=2.5V
9	9	0	0	0	1	0	1	0	1	21	LDO_DIG4 Voltage		VDIG4=1.8V
10	11	0	1	0	1	1	0	0	0	216	USB Charger Control		ext_batsw_en=1; no_charging=1; dis_batsw_temp_prot=0; usb_chg_en=1; usb_current=470mA
11	11	1	0	1	0	1	1	0	1	173	Charger Control1		isolate_bat=1; ch_det_500ms=0; chg_max=1; usb_hold_chdet=0; autoresume=1; CHOVDetEn=1; Ch_pwroff_en=0; CHEn=1;
12	0	1	1	0	0	1	1	1	1	103	Battery voltage monitor		FastResEn=0; sup_res_en=1; ResFall=3.1V; ResRise=3.4V;
13	0	0	1	0	0	1	1	0	0	38	Charger Config		ChVtResume=3.9V; Vchargeoff=3.9V; chvoltage=4.2V;
14	0	0	0	1	0	0	0	0	0	16	Charger supervision		ntc_type=0; ntc_hyst=0; ntc_hightemp=0; autoshutdown=1; ch_timeout=off
15	0	0	0	0	0	0	0	0	0	0	FuelGauge		ntc_on=Disable NTC supervision; power_off_at_vsplow=0; CalMod=0; CalReq=0; UpdReq=0; FGEN=0;
16	0	0	1	1	1	1	0	1	1	61	ChargeCurrent		Ch_Voltage=4.4V; const_current=35mV; TrickleCurrent=2.5mV;
17	1	1	0	0	0	0	0	0	1	193	Charge Pump Control		SD1ctrl=1.6A controller mode; sd1_dwm_time=0usec; freq=1.1MHz; Pulseskip=1;
18	0	0	0	0	1	1	1	1	7	7	GPIO1 Control		no pulls; I/O mode; no invert; high impedance
19	0	0	0	0	1	1	1	1	7	7	GPIO2 Control		no pulls; I/O mode; no invert; high impedance
20	0	0	0	0	0	1	1	1	7	7	GPIO3 Control		no pulls; I/O mode; no invert; high impedance
21	0	0	0	0	1	0	0	1	0	18	GPIO4 Control		no pulls; GPIO4 control of Regs; no invert; Digital input
22	1	0	0	0	1	0	1	1	1	139	Reset Timer		rtc_mode=Pin C32k enabled; rtc_rep_wakeup_en=0; rtc_alarm_wakeup_en=0; xon_enable=1; Res_Timer=50ms
23	0	0	0	0	0	0	0	0	0	0	Reg Power1 Ctrl		all regulators OFF 6ms after start
24	0	0	0	0	0	0	0	0	0	0	Reg Power1 Ctrl		all regulators OFF 7ms after start
25	0	0	0	0	0	0	0	0	0	0	Reg Power1 Ctrl		all regulators OFF 8ms after start
26	0	0	0	0	0	0	0	0	0	0	Reg Power1 Ctrl		all regulators OFF 9ms after start
27	0	0	0	0	0	0	0	0	0	0	Reg Power1 Ctrl		all regulators OFF 10ms after start
28	0	0	0	0	0	1	1	0	0	6	Reg Power1 Ctrl		DIG1_RF2 ON 11ms after start
29	1	1	1	1	0	1	1	0	0	246	Reg Power1 Ctrl		CP SD3 SD2 SD1 DIG1 RF2 ON 12ms after start
30	0	0	0	0	0	0	0	0	1	1	Reg Power2 Ctrl		RF3_SW=0; Stup2=0; Stup1=0; RF2_sw=0; RF1_sw=0; DIG4_ON=0; DIG3_ON=0; RF3_ON=1; 13ms after start
31	1	0	0	0	0	0	0	0	0	128	Reg GPIO Ctrl		DIG3_gpio=1; SD3_gpio=0; SD2_gpio=0; SD1_gpio=0; DIG2_gpio=0; DIG1_gpio=0; RF2_gpio=0; RF1_gpio=0;

