dsPIC33FJ128	MC706A pins OctoRoACH				
June 29, 2011					
June 23, 2011					
Pin number	dsPIC Functions	ImageProc Function	Pin number	dsPIC Functions	ImageProc Function
CAMERA		age: ree ramenen	RADIO		ego: roo: uouo
	4 IC3/INT3/RD10	ADXL345 interrupt		15 IC4/INT4/RD11	radio IRQ
	6 OC1/RD0	camera D0		80 AN15/OCFB/CN12/RB15	Radio SLP_TR
	9 OC2/RD1	camera D1		14 AN2/SS1*/CN4/RB2	SPI1 radio
	0 OC3/RD2	camera D2		33 U1TX/SDO1/RF3	SPI1 radio
	51 OC4/RD3	camera D3		34 U1RC/SDI1/RF2	SPI1 radio
	22 OC5/IC5/CN13/RD4	camera D4		B5 U1TS*/SCK1/INTO/RF6	SPI1 radio
	3 OC6/IC6/CN14/RD5	camera D5	FLASH	S SITS /SERLY III TO/III S	311114410
	4 OC7/CN15/RD6	camera D6		4 SCK2/CN8/RG6	SPI2 FLASH
	55 OC8/UPDN/CN16/RD7	camera D7		5 SDI2/CN9/RG7	SPI2 FLASH
	88 C1RX/RF0	camera HREF		6 SDO2/CN10/RG8	SPI2 FLASH
	9 C1TX/RF1	camera PCLK		8 SS2*/CN11/RG9	SPI2 FLASH
	18 PGEC2/SOSCO/T1CK/CN0/RC14	camera PWDN	ICD	0 332 7 6111171103	51121121511
	PGED2/SOSCI/T4CK/CN1/RC13	camera Vsync	-	17 PGEC1/AN6/OCFA/RB6	JP3-1 (ICD)
	9 OSC1/CLKIN/RC12	camera xclk		L8 PGED1/AN7/RB7	JP3-2 (ICD)
	36 SDA1/RG3	I2C1 camera, ADXL345		20 Avss	JP3-3 (ICD)
	37 SCL1/RG2	I2C1 camera, ADXL345		L9 Avdd	JP3-4 (ICD)
Gyro	77 SCLIFINGE	12C1 cumera, ABAES45		7 MCLR*	JP3-5 (ICD)
-	12 IC1/FLTA*/INT1/RD8	gyro INT	LEDs	7 WEEK	31 3 3 (100)
	1 U2RX/SDA2/CN17/RF4	I2C gyro		27 TCK/AN1/RB12	LED1
	32 U2TX/SCL2/CN18/RF5	I2C gyro		28 TDI/AN13/RB13	LED2
Low Volt	OZTA/SCLZ/CIVIO/III S	120 6910		29 U2RTS*/AN14/RB14	LED3
	I3 IC2/U1CTS*/FLTB*/INT2/RD9	low volt detect	Motor Drive		
		low voic detect		L5 PGEC3/AN1/Vref-/CN3/RB1	JP10-2 (L motor EMF)
				52 PWM2L/RE2	JP5-2 (H bridge IN1/L motor drive)
				50 PWM1L/RE0	JP5-4 (R motor drive)
				24 TDO/AN11/RB11	JP5-5 (R motor EMF)
	AVAILABLE IO		2	1 DO/ANTI/RBIT	JI 5-5 (K IIIOCOI EIVII)
	1 PWM3H/RE5	JP10-1			
	.3 AN3/INDX/CN5/RB3	JP10-3			
	2 AN4/QEA/IC7/CN6/RB4	JP10-4 Left Hall Effect			
	1 AN5/QEB/IC8/CN7/RB5	JP10-5 Right Hall Effect			
	3 PWM4H/RE7	JP10-6			
	2 PWM4L/RE6	JP10-0 JP10-7			
	3 PWM2H/RE3	JP10-7 JP10-8			
	51 PWM1H/RE1	JP10-9			
	1 U2CTS*/AN8/RB8	JP3-6			
	64 PWM3L/RE4	JP5-0 JP5-1 (H bridge IN2)			
	.6 PGED3/AN0/Vref+/CN2/RB0	JP8-1			
	3 TMS/AN10/RB10	JP9-1			
	10 OSC2/CLKO/RC15	JP9-2			
	22 AN9/RB9	no connection			
	במח/ניווא] ב.	no connection			