

Ten-Tec Rebel 506/chipKIT UNO32 Pinout Table by Logical Pin Number

chipKIT	Connector	PIC32	PIC32	
Pin #	Pin #	Pin #	Pin Function	Rebel 506 Function
0	J6-01	34	RF2/U1RX/SDI1(USB Port)	USB
1	J6-03	33	RF3/U1TX/SDO1(USB Port)	USB
2	J6-05	42	RD8/INT1/IC1/RTCC	Multi_Function_Button
3	J6-07	46	RD0/OC1	SIDE TONE
4	J6-09	59	RF1	
5	J6-11	49	RD1/OC2	Select_Button
6	J6-13	50	RD2/OC3	Encoder 0 Pin B
7	J6-15	43	RD9/INT2/IC2/U1CTS	Encoder 0 Pin A
8	J5-01	44	RD10/INT3/IC3/PMCS2/PMA15	SCLK_BIT
9	J5-03	51	RD3/OC4	FSYNC_BIT
10	J5-05	52 or 8	RD4/IC5/OC5/PMWR/CN13 or RG9/SS2/PMA2/CN11 (SPI) (JP4)	SDATA_BIT
11	J5-07	6 or 5	RG8/SD02/PMA3/CN10 or RG7/SDI2/PMA5/CN8 (SPI) (JP5)	RESET_BIT
12	J5-09	5 or 6	RG7/SDI2/PMA5/CN8 or RG8/SDO2/PMA3/CN10 (SPI) (JP7)	FREQ_REGISTER_BIT
13	J5-11	4	RG6/SCK2/PMA5/CN8 (SPI)	LED
14/A0	J7-01	14	RB2/AN2/C2IN-/SS1/CN4	RIT Read
15/A1	J7-03	12	RB4/AN4/C1IN-/CN6	SMeter Read
16/A2	J7-05	21	RB8/AN8/U2CTS/C1OUT	Battery Read
17/A3	J7-07	23	RB10/AN10/PMA13/CVREFOUT/TMS	Power Out Read
18/A4	J7-09	27 or 36	RB12/AN12/PMA11/TCK or RG3/SDA1 (JP6)	(I2C Port Available)
19/A5	J7-11	29 or 37	RB14/AN14/U2RTS/PMA1/PMALH or SCL1/RG2 (JP8)	(I2C Port Available)
20/A6	J7-02	13	RB3/AN3/CN5/C2IN+	Code Read
21/A7	J7-03	11	RB5/AN4/CN7/C1IN+	CW Speed Read
22/A8	J7-06	22	RB9/AN9/C2OUT/PMA7	Medium
23/A9	J7-08	24	RB11/AN11/PMA12/TDO	Narrow
24/A10	J7-10	28	RB13/AN13/PMA10/TDI	Band_End_Flash_Led
25/A11	J7-12	30	RB15/AN15/CN12/OCFB/PMA0/PMALL	
26	J6-02	60	RE0/PMD0	LCD RS
27	J6-04	61	RE1/PMD1	LCD Enable
28	J6-06	62	RE2/PMD2	LCD D1
29	J6-08	63	RE3/PMD3	LCD D2
30	J6-10	64	RE4/PMD4	LCD D3

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31	J6-12	1	RE5/PMD5	LCD D4
32	J6-14	2	RE6/PMD6	TX_Dit
33	J6-16	3	RE7/PMD7	TX_Dah
34	J5-02	53	RD5/CN14/PMRD	Multi_Function_Green
35	J5-04	45	RD11/INT4/IC4/PMA14/PMCS1	Multi_Function_Yellow
36	J5-06	54	RD6/CN15	Multi_Function_Red
37	J5-08	55	RD7/CN16	Select_Green
38	J5-10	35	RF6/INT0/SCK1/U1RTS/BCLK1	TX_OUT
39	J5-12	31	RF4/U2RX/SDA2/CN17/PMA9 (Serial 1)	Select_Yellow
40	J5-14	32	RF5/U2TX/SCL2/CN18/PMA8 (Serial 1)	Select_Red
41	J5-16	15	RB1/AN1/CN3/PGC1/VREF-/CVREF-	Band_Select
42	J5-15	16	RB0/AN0/CN2/PGED1/PMA6/VREF+/CVREF+	
43		58	RF0	User LED 5