

Project Board									
Part Number	Voltage Input (V)	USB Power Limit	VIN Power Limit	Communications I/O	Keypad Port	LCD Display	User I/O	Features	
PBMCU	USBBDM or 9	5V(300mA), 3.3V(200mA)	5V & 3.3V(500mA), ±15(50mA)	RS232 or Mono8	Yes	8 characters X 2 lines	8xDIP switches, 8xPushbuttons, 8xLEDs, Potentiometer, Buzzer, BNC, 2xBanana	Optional Direct Connect Features, Replaceable protoboard, USBBDM for use with HCS12/12X/08	

Project Board Compatible Application Modules													
Architecture	Part Number	RAM (KB)	Flash (KB)	EEPROM (KB)	Timers (ch./bits)	I/O Max	PWM (ch./bits)	ATD (ch./bits)	Voltage (V)	Bus Freq. (Mhz)	Serial	Other	Features
HCS08	APS08QG8SLK	0.512	8	-	2/16	11	see timer	8/10	1.8 to 3.6	10	SPI, SCI, I ² C	8xKBI	
HCS12	APS12C32SLK	2	32	-	8/16	31	3/16 or 5/8	8/10	5	25	SCI, SPI, CAN	-	On-Chip ICE
HCS12	APS12DT256SLK	12	256	4	8/16	56	4/16 or 7/8	8/10	5	25	2xSCI, 2xSPI, I ² C, 3xCAN	9xKBI	Increased I/O and Memory
HCS12X	APS12XDT512SLK	20	512	4	8/16	56	4/16 or 7/8	8/10	5	40	2xSCI, 2xSPI, I ² C, 3xCAN	9xKBI	XGATE, LIN, On-chip ICE, IR
DSP	AP56F801SLK	4	24	-	8/16	11	6/16	8/12	3.3	80	SCI, SPI	-	Multiply Accumulator, JTAG/OnCE
ColdFire	AP5211SLK	16	128	-	4-ch., 32-bit w/DMA, 4-ch., 16-bit	33	4/16 or 8/8	8/12	3.3	66	QSPI, I ² C, 3xUART	3xIRQ	2x 16bit PIT
ColdFire	AP52233SLK	32	256	-	4-ch., 32-bit w/DMA, 4-ch., 16-bit	35	4/16 or 8/8	8/12	3.3	60	QSPI, I ² C, 3xUART,	3xIRQ	On-chip 10/100 Ethernet MAC with PHY, Real Time Clock
RF-Transceiver	AP13192USLK	Voltage: 2.0-3.4 V, Frequency Band: 2.4-2.5 GHz, Data Rate: 250 kbps, Serial I/O:SPI,											

Stand-Alone Modules (Not compatible with Project Board)													
Architecture	Part Number	RAM (KB)	Flash (KB)	EEPROM (KB)	Timers (ch./bits)	I/O Max	PWM (ch./bits)	ATD (ch./bits)	Voltage (V)	Bus Freq. (Mhz)	Serial	User I/O	Features
HCS12	LFEB512UB	8	128	2	8/16	89	4/16 or 8/8	2x8/10	5	25	2xSCI, 2xSPI, I ² C, 2xCAN	2xPotentiometer, Piezo Transducer, 7-Segment Display	Included Lab Experiments (optional) Lab integration kit

