

Neuron® Chip Model Number, by Vendor

	Neuron Chip Model	Mfg #	Major Mdl #	Minor Mdl #	FW Code ROM	Init on-chip NVM	Uninit on-chip NVM	On-chip RAM	Min Firmware Version for:			Recommended Firmware Version for:			Power Supply	IO Extension
									<= 10MHz	20MHz	40MHz	<= 10MHz	20MHz	40MHz		
Toshiba																
[2]	TMPN3120AM	0x00	0x08	0x0	10KB	0.5KB	0KB	1KB	3	N/A	N/A	3	N/A	N/A	5V	Standard
	TMPN3120B1M	0x00	0x08	0x1	10KB	0.5KB	0KB	1KB	4	N/A	N/A	4	N/A	N/A	5V	Standard
	TMPN3120B1AM	0x00	0x08	0x2	10KB	0.5KB	0KB	1KB	4	N/A	N/A	4	N/A	N/A	5V	Standard
	TMPN3120E1M	0x00	0x09	0x1	10KB	1KB	0KB	1KB	6	N/A	N/A	6	N/A	N/A	5V	Standard
	TMPN3120FE1M	0x00	0x09	0x1	10KB	1KB	0KB	1KB	7	7	N/A	7	7	N/A	5V	Standard
	TMPN3120E3M	0x00	0x0B	0x2	16KB	2KB	0KB	2KB	8	N/A	N/A	8	N/A	N/A	5V	Standard
	TMPN3120FE3M	0x00	0x0B	0x2	16KB	2KB	0KB	2KB	9	9	N/A	9	9	N/A	5V	Standard
	TMPN3120FE3M[I]	0x00	0x0B	0x2	16KB	2KB	0KB	2KB	9	9	N/A	9	9	N/A	5V	Standard
	TMPN3120FE5M	0x00	0x0D	0x1	16KB	3KB	0KB	4KB	10	10	N/A	10	10	N/A	5V	A/D conv
	TMPN3120FE5M[I]	0x00	0x0D	0x1	16KB	3KB	0KB	4KB	10	10	N/A	10	10	N/A	5V	A/D conv
	TMPN3150B1AFG	0x00	0x00	0x2	N/A	512	0KB	2KB	7 [1]	N/A	N/A	16	N/A	N/A	5V	Standard
	TMPN3150B1AFG[I]	0x00	0x00	0x2	N/A	512	0KB	2KB	7 [1]	N/A	N/A	16	N/A	N/A	5V	Standard
[2]	TMPN3150AF	0x00	0x00	0x0	N/A	0.5KB	0KB	2KB	7 [1]	N/A	N/A	16	N/A	N/A	5V	Standard
	TMPN3150BF	0x00	0x00	0x0	N/A	0.5KB	0KB	2KB	7 [1]	N/A	N/A	16	N/A	N/A	5V	Standard
	TMPN3150B1F	0x00	0x00	0x1	N/A	0.5KB	0KB	2KB	7 [1]	N/A	N/A	16	N/A	N/A	5V	Standard
Motorola																
	MC143120DW	0x00	0x08	0x0	10KB	0.5KB	0KB	1KB	3	N/A	N/A	3	N/A	N/A	5V	Standard
	MC143120E2DW/FB	0x01	0x0A	0x1	10KB	2KB	0KB	2KB	6	N/A	N/A	6	N/A	N/A	5V	Standard
	MC143120B1DW	0x01	0x08	0x1	10KB	0.5KB	0KB	1KB	4	N/A	N/A	4	N/A	N/A	5V	Standard
	MC143210E2				10KB	2KB	0KB	2KB	6	N/A	N/A	6	N/A	N/A	5V	Standard
	MC143120B1				10KB	0.5KB	0KB	1KB	4	N/A	N/A	4	N/A	N/A	5V	Standard
	MC143150B1FU	0x01	0x00	0x1	N/A	0.5KB	0KB	2KB		N/A	N/A	16	N/A	N/A	5V	Standard
	MC143150FU	0x00	0x00	0x0	N/A	0.5KB	0KB	2KB		N/A	N/A	16	N/A	N/A	5V	Standard
	MC143150FU1	0x01	0x00	0x0	N/A	0.5KB	0KB	2KB		N/A	N/A	16	N/A	N/A	5V	Standard
Cypress																
	CY7C53120E2	0x02	0x0A	0x1	10KB	2KB	0KB	2KB	6	N/A	N/A	6	N/A	N/A	5V	Standard
	CY7C53120E4	0x02	0x0E	0x9	12KB	4KB	0KB	2KB	13	13	13	13	13	13	5V	Standard
	CY7C53120L8	0x02	0x10	0x8	16KB	8KB	0KB	4KB	15	15	N/A	15	15	N/A	3.3V	SCI/SPI
	CY7C53150	0x02	0x00	0x9	N/A	0.5KB	0KB	2KB	7 [1]	13.1 [1]	N/A	16	16	N/A	5V	Standard
	CY7C53150L 768	0x02	0x02	0x8	N/A	768	2KB	4KB	15-2 [1]	N/A	N/A	16	N/A	N/A	3.3V	SCI/SPI
	CY7C53150L 2K	0x02	0x02	0x8	N/A	2KB	768	4KB	16 [1]	N/A	N/A	16	N/A	N/A	3.3V	SCI/SPI
Echelon																
	FT 3120-E4 V13	0x04	0x0E	0x9	12KB	4KB	0KB	2KB	13	13	13	13	13	13	5V	Standard
	FT 3120-E4 V16	0x04	0x0E	0x9	12KB	4KB	0KB	2KB	16	16	16	16	16	16	5V	Standard
	PL 3120-E4	0x05	0x0F	0x8	24KB	4KB	0KB	2KB	14	N/A	N/A	14	N/A	N/A	5V	SCI/SPI
	FT 3150 512	0x04	0x00	0x9	N/A	512	2.3KB	2KB	13.1 [1]	13.1 [1]	N/A	16	16	N/A	5V	Standard
	PL 3150 512	0x05	0x01	0x8	N/A	512	2.3KB	2KB	14 [1]	N/A	N/A	16	16	N/A	5V	SCI/SPI
	FT 3150 2K	0x04	0x00	0x9	N/A	2KB	768	2KB	16 [1]	16 [1]	N/A	16	16	N/A	5V	Standard
	PL 3150 2K	0x05	0x01	0x8	N/A	2KB	768	2KB	16 [1]	N/A	N/A	17	N/A	N/A	5V	SCI/SPI
	PL 3170	0x05	0x11	0x8	24KB	4KB	0KB	2KB	17	N/A	N/A	17	N/A	N/A	5V	SCI/SPI
	FT 5000	0x07	0x20	0x8	16KB	0KB	0KB	64KB [3]	18	18	18	19	19	19	3.3V	HW UART [4]
	Neuron 5000	0x07	0x21	0x8	16KB	0KB	0KB	64KB [3]	18	18	18	19	19	19	3.3V	HW UART [4]

Notes:

[1] Firmware version numbers for Neuron® 3150® Chips are minimum version numbers to use all chip features; latest firmware version is recommended; older versions may also be used, but may result in a reduced feature set and reduced reliability.

[2] Product discontinuance announced by the manufacturer.

[3] The FT 5000 Smart Transceiver and Neuron 5000 Processor both have 64KB total RAM; 42KB is available for user applications and code; 16KB is used by the system firmware copied from external NVM; 6KB is reserved by the firmware (includes device configuration data and stack space).

[4] Series 5000 chips include hardware support for SPI and SCI I/O models.

[5] All grayed out rows represent products that have been discontinued or announced as discontinued by the manufacturer.