

Philips Semiconductors 80C51, 51Mx2 and XA Microcontroller Support Matrix

Philips Device	Ashling Emulator Order Code	Emulator Mainframe	Emulator Probe Pod	Interface Adapter	Ashling Debugger	Performance Analyzer	Code Coverage
Standard 80C51 Microcontrollers							
80C51, 80C52, 80C31, 80C32	Ultra-51	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC51, 8xC52, 8xC54, 8xC58	Ultra-51	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC51X2, 52X2, 54X2, 58X2, 80C31X2, 32X2	Ultra-80C51X2	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P89C51RA2xx/RB2xx/RC2xx/RD2xx	Ultra-C51Rx2xx	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P89C60X2/61X2	Ultra-89C61X2	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P83/80/87C554 LQFP	Ultra-8xC554LQFP	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC51FA, 8xC51FB, 8xC51FC	Ultra-80C51FC	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC51RA+, RB+, RC+, RD+	Ultra-80C51RD+	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC51RA2, 8xC51RB2, 8xC51RC2, 8xC51RD2	Ultra-80C51RD2	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
89C660, 89C662, 89C664, 89C668	Ultra-89C66x	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC552, 8xC554 PLCC, 8xC598	Ultra-8xC554PLCC	Ultra-51	PRU-8000	IN552QFP/PLCC	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC557	Ultra-8xC558	Ultra-51	PRU-8000	IN558QFP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC592	Ultra-8xC592	Ultra-51	PRU-8000	IN592PLCC	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC652, 8xC654, 8xC591	Ultra-8xC654	Ultra-51	PRU-8000	IN528PLDP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
51Mx2 eXpanded Memory Microcontrollers							
P87C51MA2, P87C51MB2, P87C51MC2, P8xC669	Ultra-51Mx2	Ultra-51	PRU-Mx	IN-Mx	PathFinder-51	STARS 8bit 1MB	CodeScan-51
Cordless Telephone 80C51 Microcontrollers							
PDC50913, 23, 53, 914, 24, 54, 921, 951	Ultra-PCD509xy	Ultra-51	PRU-EH51	INPCD509xyR2	PathFinder-51	STARS 8bit 1MB	CodeScan-51
TV OSD/Teletext 80C51 Microcontrollers							
SAA5533, SAA5541, SAA5543, SAA5565H SAA55xxPS, TDA935x/6x/8xPS/N1	Ultra-SAA55xx	Ultra-51	PRU-SAA56, AD-SAA55	IN-SAA52SDIP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
SAA56xxHL	Ultra-SAA56xx	Ultra-51	PRU-SAA56, AD-SAA56	IN-SAA100QFP	PathFinder-51	STARS 8bit 1MB	CodeScan-51
SAA5573, SAA5583, SAA5595H TDA935x/6x/8xPS/N2, TDA935x/6x/8xPS/N1, TDA955x/6x/8xH/N1, TDA959xPS/N1, TDA959xH/N1	Ultra-SAA55L+	Ultra-51	PRU-SAA56 with AD-SAA55L+	Philips adapter	PathFinder-51	STARS 8bit 1MB	CodeScan-51
PNX2015	Ultra-PNX2015	Ultra-51	PRU-PR9XXX	IN-PNX2015	PathFinder-51	STARS 8bit 1MB	CodeScan-51
8xC190, 8xC390, 8xC191, 8xC391, 8xC199, 8xC399	Ultra-8xCx99	Ultra-51	PRU-8000	INSDIP190V2	PathFinder-51	STARS 8bit 1MB	CodeScan-51
Smart Card Microcontrollers							
P8WE50xx, P8WE60xx, MF21CD8x	Ultra-P8WE5000	Ultra-51	PRU-P8WE5000	INCLA7816	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P8RF50xx, P8RF60xx	Ultra-P8RF5000	Ultra-51	PRU-P8RF5000	INCLA7816USB	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P5SCxxx, P5SUxxx, P5SDxxx, P5CCxxx, P5CDxxx, P5CTxxx	Ultra-SmartMX	Ultra-51	PRU-SmartMX2	(ISO7816, Contactless and USB);	PathFinder-51	STARS 8bit 1MB	CodeScan-51
P16WMxxx, P16WXxxx, P7SCxxx, P7CCxxx, P7CUxxx	Ultra-SmartXA2	Ultra-51XA	PRU-SmartXA2	or IN-GSM-SIM	PathFinder-XA	STARS 16bit 1MB	-
Smart Card Reader Microcontrollers							
TDA8006	Ultra-80C52	Ultra-51	PRU-8000	Philips adapter	PathFinder-51	STARS 8bit 1MB	CodeScan-51
TDA8008, TDA8029, TDA8030, TDA8031	Ultra-80C51RD+	Ultra-51	PRU-8000	Philips adapter	PathFinder-51	STARS 8bit 1MB	CodeScan-51
TAMA-EMU1 (PR85000)	Ultra-TAMA-EMU1	Ultra-51	PRU-PR9XXX	Philips adapter	PathFinder-51	STARS 8bit 1MB	CodeScan-51
TAMA-EMU (PN7510)	Ultra-TAMA-EMU	Ultra-51	PRU-PR9XXX	Philips adapter	PathFinder-51	STARS 8bit 1MB	CodeScan-51
XA 16-bit architecture Microcontrollers							
PXA-G30, PXA-G33, PXA-G37	Ultra-51XA-G3	Ultra-51XA	PRU-XA with AD-XA-Gx	IN-XA-Gx	PathFinder-XA	STARS 16bit 1MB	-
PXA-G39	Ultra-51XA-G39	Ultra-51XA	PRU-XA with AD-XA-Gx	IN-XA-Gx	PathFinder-XA	STARS 16bit 1MB	-
PXA-S30, PXA-S37	Ultra-51XA-S3	Ultra-51XA	PRU-XA with AD-XA-S3	IN-XA-S3	PathFinder-XA	STARS 16bit 1MB	-
PXA-G49	Ultra-51XA-G49	Ultra-51XA	PRU-XA with AD-XA-Gx	IN-XA-Gx	PathFinder-XA	STARS 16bit 1MB	-
PXA-C37	Ultra-51XA-C3	Ultra-51XA	PRU-XA with AD-XA-C3	IN-XA-Gx	PathFinder-XA	STARS 16bit 1MB	-

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