

# SyncMOS Product Selector Guide -- Development Tools

<b>Writer</b>		
<u>Part number</u>	<u>Description</u>	
MSM9169	MSM9169, 1 to 1 writer. Version: V7M1.	
MSM9169-1	MSM9169, 1 to 1 writer. Version: V8M1 + 12V power adapter (SAC0001A-0), + RS232 cable (SAC1001A-0), + USB cable (SAC1003A-0). +40-pin PDIP to 40-pin PDIP adapter board (MSM9051).	
MSM9169-2	MSM9169, 1 to 1 writer. Version: V8M1 + 12V power adapter (SAC0001A-0), + RS232 cable (SAC1001A-0), + USB cable (SAC1003A-0). +20-pin DIP to 40-pin PDIP adapter board(MSM9053A)	
MSM9169-3	MSM9169, 1 to 1 writer. Version: V8M1 + 12V power adapter (SAC0001A-0), + RS232 cable (SAC1001A-0), + USB cable (SAC1003A-0). +20-pin SOP to 40-pin PDIP adapter board(MSM9053B)	
MSM9170	MSM9170, 1 to 8 writer. Version: V20.	

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SWR0001A-0	Easy writer/9171.	
SWR0001A-1	Easy writer/9171: + 12V power adapter (SAC0001A-0), + RS232 cable (SAC1001A-0), + USB cable (SAC1003A-0).	
SWR0002B-0	External ISP writer/9055 ver B.	
SWR0002B-1	External ISP writer/9055 ver B: + USB extension cable (SAC1003A-0).	
SWR0002B-2	External ISP writer/9055 ver B: + USB extension cable (SAC1003A-0), + 5V power adapter (SAC0002A-0), + RS232 cable (SAC1001A-0).	
MSM9059B	ISP/ICP Writer for MCU	

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<b>On Chip Debugger (OCD)</b>		
<u>Part number</u>	<u>Description</u>	
SOC0001A-0	SyncMOS OCD.	
SOC0001A-1	SyncMOS OCD: + 10-pin cable (SAC1002A-0), + USB cable (SAC1003A-0).	
SOC0002A-0	SyncMOS M-LINK On-Chip Debugger	

<b>Header of On Chip Debugger</b>		
<u>Part number</u>	<u>Description</u>	
SOH0001A-0	OCD header for low pin count MCU. ( <a href="#">Future Product</a> )	

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<b>Test Board</b>		
<u>Part number</u>	<u>Description</u>	
MSM9043	Motor test board.	
MSM9056	9056 open/short test board.	
STB0001A-0	Open/short test board.	
STB0001A-1	Open/short test board: + 5V power adapter (SAC0002A-0).	

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<b>Demo Board</b>		
<u>Part number</u>	<u>Description</u>	
MSM9047	9047 ISP demo board. Version: E3.	
SDB0001B-0	64-pin demo board.	
SDB0001B-1	64-pin demo board: + 5V power adapter (SAC0002A-0), + SM59R16A2 64-pin plug in module (SPI0001A-0). + USB cable (SAC1003A-0).	
SDB0001B-2	64-pin demo board: + 5V power adapter (SAC0002A-0), + SM59R16A2 64-pin plug in socket (SPI0002A-0). + USB cable (SAC1003A-0).	
SDB0001B-3	64-pin demo board: + 5V power adapter (SAC0002A-0), + SM59R16A2 64-pin plug in module (SPI0001A-0), + SM59R16A2 64-pin plug in socket (SPI0002A-0), + RS232 cable(SAC1001A-0), + USB cable (SAC1003A-0).	
SDB0002A-0	40-pin demo board.	
SDB0002A-1	40-pin demo board: + 7.5V power adapter (SAC0003A-0).	

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<b>Extension Board</b>		
<u>Part number</u>	<u>Description</u>	
SEB0001A-0	An extension demo board for certain special application. ( <a href="#">Future Product</a> )	

<b>Adapter Board</b>		
<u>Part number</u>	<u>Description</u>	
MSM9039	44-pin PDIP to 44-pin PDIP adapter board.	
MSM9040	I <sup>2</sup> C adapter board for In-System-Program via LPT port.	
MSM9041	UART adapter board for In-System-Program via COM port.	
MSM9042	RS232/UART adapter board for In-System-Program via USB port	
MSM9049	44-pin PLCC (bounce socket) to 40-pin PDIP adapter board.	
MSM9050	44-pin PLCC (normal socket) to 40-pin PDIP adapter board.	
MSM9051	40-pin PDIP to 40-pin PDIP adapter board.	
MSM9053A	20-pin DIP to 40-pin PDIP adapter board.	
MSM9053B	20-pin SOP to 40-pin PDIP adapter board.	
SAB0001A-0	64-pin TQFP to 40-pin DIP adapter board.	

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SAB0005B	SM59R02A1/SM59R03A1/SM59R04A1/SM59R04A2 /SM59R05A3/SM59R09A3/SM59R16A3 /SM59R05A5/SM59R09A5/SM59R16A5 Adaptor Board on MSM9171	
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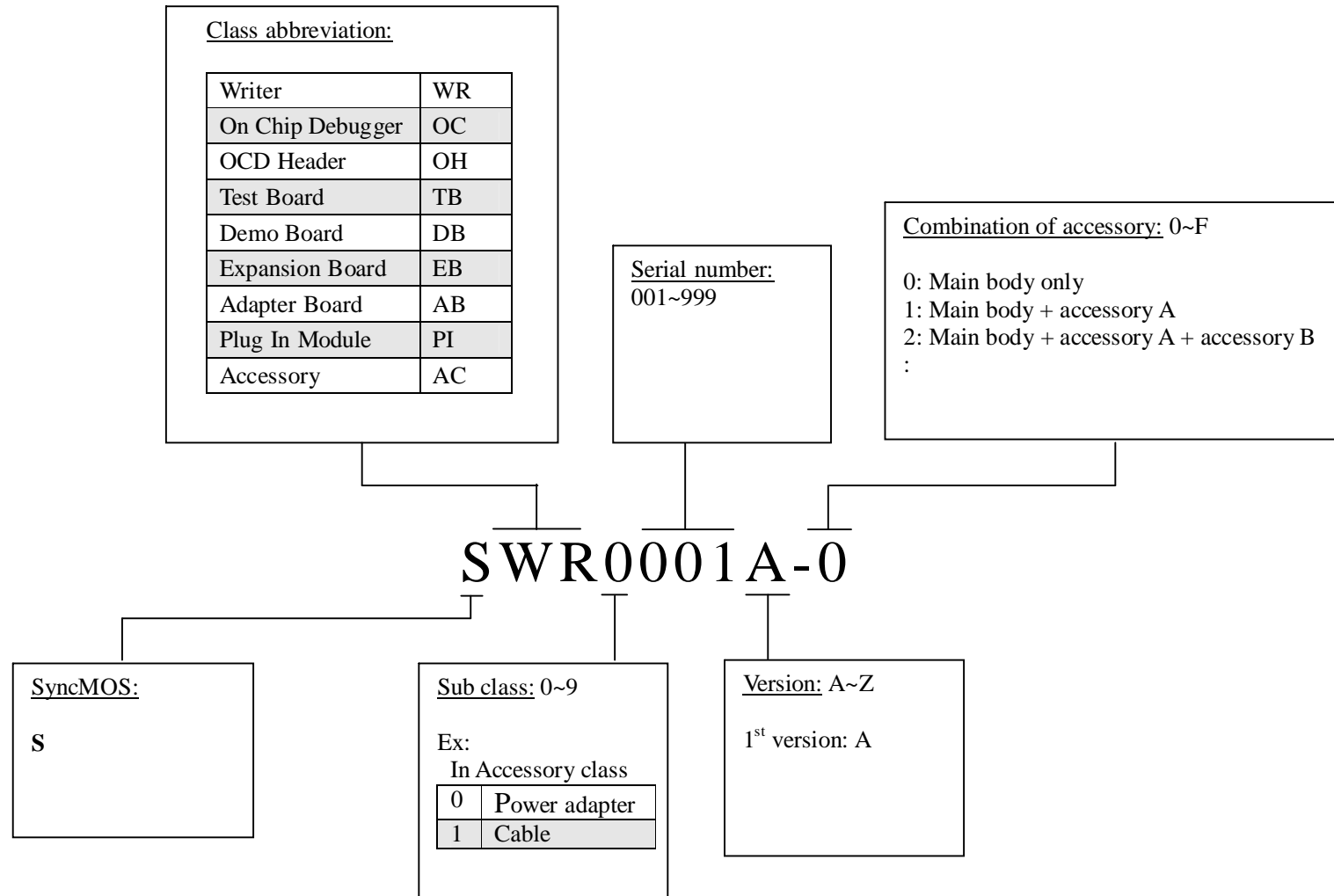
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<b>Plug In Module</b>		
<u>Part number</u>	<u>Description</u>	
SPI0001A-0	SM59R16A2 64-pin plug in module.	
SPI0002A-0	SM59R16A2 64-pin plug in socket.	

<b>Accessory</b>		
<u>Part number</u>	<u>Description</u>	
SAC0001A-0	12V 1A power adapter.	
SAC0002A-0	5V 2A power adapter.	
SAC0003A-0	7.5V 1.1A power adapter.	
SAC1001A-0	RS232 cable. 1.8m, Male – Female.	
SAC1002A-0	10-pin cable. Pitch 2.0, 5x2 pins, Female – Female.	
SAC1003A-0	USB cable. 1.8m, USB A male – USB B male.	
SAC1004A-0	USB cable. 1.8m, USB A male – USB A female.	

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## Development Tools Naming Rule:



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## Change History:

SG00007	Release on 2010/7/28 <ol style="list-style-type: none"><li>1. Add MSM9059B (page 2)</li><li>2. Add SOC0002A-0(page 3)</li><li>3. Add SAB0005B (Page 7)</li><li>4. Remove SAB0002A-0, SAB0003A-0, SAB0004A-0part number</li></ol>
SG00006	Release On 2009/09/29 <ol style="list-style-type: none"><li>1. Add MSM9042 (page 6).</li><li>2. Add MSM9169-1, MSM9169-2, and MSM9169-3(page 1).</li><li>3. Modify MSM9053 Adaptor Board(page 6).</li></ol>
SG00005	Released on 2008/06/12 <ol style="list-style-type: none"><li>1. Modified SWR0002B-1, SWR0002B-2 Description chang USB extension cable part number from SAC1004A-0 to SAC1003A-0 (page 1).</li></ol>
SG00004	Released on 2008/05/28 <ol style="list-style-type: none"><li>2. Added SWR0002B-0, SWR0002B-1, SWR0002B-2 part number (page 1).</li><li>3. Added SAB0002A-0, SAB0003A-0, SAB0004A-0part number (page 7).</li></ol>
SG00003	Released on 2008/03/13 <ol style="list-style-type: none"><li>1. Added SWR0002A-2 part number (page 1).</li><li>2. Added STB0001A-0, STB0001A-1 part number (page 3).</li><li>3. Modified description of SAC1004A-0 (page 6)</li><li>4. General format modification.</li></ol>
SG00001, 2	Released on 2007/12/07 Initial issue.