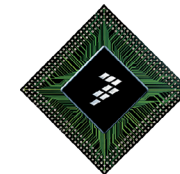




CodeWarrior

Development Suite

for Freescale 56800/E Digital Signal Controllers
V8.3, Component Overview



Component\CPU family	Component description	56800	56 F8367	56 F8366	56 F8365	56 F8357	56 F8356	56 F8355	56 F8347	56 F8346	56 F8345
ADC	A/D converter	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	advanced*	-	-	-	-	-	-	-	-	-
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte3IO	General Three-Bytes Input/Output	basic*	basic	basic	-	basic	basic	-	basic	basic	-
Byte4IO	General Four-Bytes Input/Output	basic*	basic	basic	-	basic	basic	-	basic	basic	-
ByteIO	General Byte Input/Output (8 bits)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	CIDParser*	-	-	-	-	-	-	-	-	-
CIDType1	The Type 1 Telephony Features Library	CID1*	-	-	-	-	-	-	-	-	-
CIDType12	The Type 1 and 2 Telephony Features	CID12*	-	-	-	-	-	-	-	-	-
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	basic*	-	-	-	-	-	-	-	-	-
DAC	D/A converter	basic*	-	-	-	-	-	-	-	-	-
DMChannel	DMA Channel	advanced*	-	-	-	-	-	-	-	-	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8335	56 F8323	56 F8322	56 F827	56 F826	56 F8257	56 F8256	56 F8255	56 F8247	56 F8246
ADC	A/D converter	basic	basic	basic	basic	-	basic	basic	basic	basic	basic
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	-	-	-	advanced	advanced	-	-	-	-	-
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	basic	basic	-	basic	basic	basic	basic	basic	basic	basic
Byte3IO	General Three-Bytes Input/Output	-	-	-	basic	basic	basic	-	-	basic	-
Byte4IO	General Four-Bytes Input/Output	-	-	-	basic	basic	basic	-	-	basic	-
ByteIO	General Byte Input/Output (8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	-	-	-	-	-	-	-	-	-	-
CIDType1	The Type 1 Telephony Features Library	-	-	-	-	-	-	-	-	-	-
CIDType12	The Type 1 and 2 Telephony Features	-	-	-	-	-	-	-	-	-	-
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	-	-	-	-	-	basic	basic	basic	basic	basic
DAC	D/A converter	-	-	-	-	-	basic	basic	basic	basic	basic
DMChannel	DMA Channel	-	-	-	-	-	-	-	-	-	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8245	56 F8167	56 F8166	56 F8165	56 F8157	56 F8156	56 F8155	56 F8147	56 F8146	56 F8145
ADC	A/D converter	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	-	-	-	-	-	-	-	-	-	-
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte3IO	General Three-Bytes Input/Output	-	basic	basic	-	basic	basic	-	basic	basic	-
Byte4IO	General Four-Bytes Input/Output	-	basic	basic	-	basic	basic	-	basic	basic	-
ByteIO	General Byte Input/Output (8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	-	-	-	-	-	-	-	-	-	-
CIDType1	The Type 1 Telephony Features Library	-	-	-	-	-	-	-	-	-	-
CIDType12	The Type 1 and 2 Telephony Features	-	-	-	-	-	-	-	-	-	-
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	basic	-	-	-	-	-	-	-	-	-
DAC	D/A converter	basic	-	-	-	-	-	-	-	-	-
DMChannel	DMA Channel	-	-	-	-	-	-	-	-	-	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8135	56 F8123	56 F8122	56 F807	56 F805	56 F8037	56 F8036	56 F803	56 F8025	56 F8023
ADC	A/D converter	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	-	-	-	-	-	-	-	-	-	-
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	basic	basic	-	basic	basic	basic	basic	basic	basic	basic
Byte3IO	General Three-Bytes Input/Output	-	-	-	basic	basic	basic	-	-	-	-
Byte4IO	General Four-Bytes Input/Output	-	-	-	basic	basic	basic	-	-	-	-
ByteIO	General Byte Input/Output (8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	-	-	-	-	-	-	-	-	-	-
CIDType1	The Type 1 Telephony Features Library	-	-	-	-	-	-	-	-	-	-
CIDType12	The Type 1 and 2 Telephony Features	-	-	-	-	-	-	-	-	-	-
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	-	-	-	-	-	-	-	-	-	-
DAC	D/A converter	-	-	-	-	-	basic	basic	-	basic	basic
DMChannel	DMA Channel	-	-	-	-	-	-	-	-	-	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F802	56 F8014VPE	56 F8014VFAE	56 F8013VPE	56 F8013VFAE	56 F8011	56 F801	56 F8006_48 LQFP	56 F8006_32 SDIP	56 F8006_32 LQFP
ADC	A/D converter	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	-	-	-	-	-	-	-	-	-	-
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	-	basic	basic	basic	basic	basic	-	basic	basic	basic
Byte3IO	General Three-Bytes Input/Output	-	-	-	-	-	-	-	basic	-	-
Byte4IO	General Four-Bytes Input/Output	-	-	-	-	-	-	-	basic	-	-
ByteIO	General Byte Input/Output (8 bits)	-	basic	basic	basic	basic	basic	basic	basic	basic	basic
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	-	-	-	-	-	-	-	-	-	-
CIDType1	The Type 1 Telephony Features Library	-	-	-	-	-	-	-	-	-	-
CIDType12	The Type 1 and 2 Telephony Features	-	-	-	-	-	-	-	-	-	-
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	-	-	-	-	-	-	-	-	-	-
DAC	D/A converter	-	-	-	-	-	-	-	-	-	-
DMChannel	DMA Channel	-	-	-	-	-	-	-	-	-	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8006_28 SOIC	56 F8002_28 SOIC	56 858	56 857	56 855	56 854	56 853	56 852
ADC	A/D converter	basic	basic	-	-	-	-	-	-
AsynchroMaster	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
AsynchroSerial	Asynchronous serial communication	basic	basic	basic	basic	basic	basic	basic	basic
AsynchroSlave	Asynchronous serial communication -	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Audio Codec CS4218	16-Bit Stereo Audio Codec	-	-	advanced	advanced	advanced	advanced	advanced	advanced
Basicadvancedperties	This component is example of basic advancedperties. The component was designed to help developers start creating a new user beans quickly.	free	free	free	free	free	free	free	free
BitIO	General 1-bit Input/Output	basic	basic	basic	basic	basic	basic	basic	basic
BitsIO	General Multi-Bits Input/Output (1-8 bits)	basic	basic	basic	basic	basic	basic	basic	basic
Button	Button with inactivity timer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
BWimage	Black & White image	basic	basic	basic	basic	basic	basic	basic	basic
Byte2IO	General Two-Bytes Input/Output	-	-	basic	basic	-	basic	basic	-
Byte3IO	General Three-Bytes Input/Output	-	-	-	-	-	-	-	-
Byte4IO	General Four-Bytes Input/Output	-	-	-	-	-	-	-	-
ByteIO	General Byte Input/Output (8 bits)	-	-	basic	basic	-	basic	basic	-
CalladvancedgressTone Detection	Call advancedgress Tone Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Capture	Timer capture encapsulation	basic	basic	basic	basic	basic	basic	basic	basic
CIDParser	The Type 1 and 2 Telephony Parser Library	-	-	CIDParser	CIDParser	CIDParser	CIDParser	CIDParser	CIDParser
CIDType1	The Type 1 Telephony Features Library	-	-	CID1	CID1	CID1	CID1	CID1	CID1
CIDType12	The Type 1 and 2 Telephony Features	-	-	CID12	CID12	CID12	CID12	CID12	CID12
COLimage	Color image	basic	basic	basic	basic	basic	basic	basic	basic
CommonToneGeneration	Common Tone Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
CrossbarSwitch	Crossbar Switch	-	-	-	-	-	-	-	-
DAC	D/A converter	-	-	-	-	-	-	-	-
DMACHannel	DMA Channel	-	-	advanced	advanced	advanced	advanced	advanced	-
DSP_3DES	3DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_CycleCounter	Cycle counter support services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_DES	DES security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FiFo	Circular Buffer support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_FileIO	PC file Input / Output operations	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_AFR	Single-dimensioned arrays of 16-bit and 32-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_DFR	Signal advancedcessing functions for 16-bit fractional values.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_MFR	Basic math library for 16-bit and 32-bit fractional values	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56800	56 F8367	56 F8366	56 F8365	56 F8357	56 F8356	56 F8355	56 F8347	56 F8346	56 F8345
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	advanced*	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
Ext32IO	External 32-bit Input/Output	advanced*	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
Ext8IO	External 8-bit Input/Output	advanced*	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExtBitIO	External 1-bit Input/Output with Direction Register	advanced*	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	advanced*	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	FDSPK*	-	-	-	-	-	-	-	-	-
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	advanced*	-	-	-	-	-	-	-	-	-

Component\CPU family	Component description	56 F8335	56 F8323	56 F8322	56 F827	56 F826	56 F8257	56 F8256	56 F8255	56 F8247	56 F8246
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	-	-	-	advanced	advanced	-	-	-	-	-
Ext32IO	External 32-bit Input/Output	-	-	-	advanced	advanced	-	-	-	-	-
Ext8IO	External 8-bit Input/Output	-	-	-	advanced	advanced	-	-	-	-	-
ExtBitIO	External 1-bit Input/Output with Direction Register	-	-	-	advanced	advanced	-	-	-	-	-
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	-	-	-	advanced	advanced	-	-	-	-	-
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	-	-	-	-	-	-	-	-	-	-
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	-	-	-	-	-	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8245	56 F8167	56 F8166	56 F8165	56 F8157	56 F8156	56 F8155	56 F8147	56 F8146	56 F8145
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	-	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
Ext32IO	External 32-bit Input/Output	-	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
Ext8IO	External 8-bit Input/Output	-	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExtBitIO	External 1-bit Input/Output with Direction Register	-	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	-	advanced	advanced	-	advanced	advanced	-	advanced	advanced	-
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	-	-	-	-	-	-	-	-	-	-
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	advanced	-	-	-	-	-	-	-	-	-

Component\CPU family	Component description	56 F8135	56 F8123	56 F8122	56 F807	56 F805	56 F8037	56 F8036	56 F803	56 F8025	56 F8023
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	-	-	-	advanced	advanced	-	-	advanced	-	-
Ext32IO	External 32-bit Input/Output	-	-	-	advanced	advanced	-	-	advanced	-	-
Ext8IO	External 8-bit Input/Output	-	-	-	advanced	advanced	-	-	advanced	-	-
ExtBitIO	External 1-bit Input/Output with Direction Register	-	-	-	advanced	advanced	-	-	advanced	-	-
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	-	-	-	advanced	advanced	-	-	advanced	-	-
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	-	-	-	-	-	-	-	-	-	-
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	-	-	-	-	-	advanced	advanced	-	advanced	advanced

Component\CPU family	Component description	56 F802	56 F8014VPE	56 F8014VFAE	56 F8013VPE	56 F8013VFAE	56 F8011	56 F801	56 F8006_48 LQFP	56 F8006_32 SDIP	56 F8006_32 LQFP
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	-	-	-	-	-	-	-	-	-	-
Ext32IO	External 32-bit Input/Output	-	-	-	-	-	-	-	-	-	-
Ext8IO	External 8-bit Input/Output	-	-	-	-	-	-	-	-	-	-
ExtBitIO	External 1-bit Input/Output with Direction Register	-	-	-	-	-	-	-	-	-	-
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	-	-	-	-	-	-	-	-	-	-
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	-	-	-	-	-	-	-	-	-	-
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	-	-	-	-	-	-	-	advanced	advanced	advanced

Component\CPU family	Component description	56 F8006_28 SOIC	56 F8002_28 SOIC	56 858	56 857	56 855	56 854	56 853	56 852
DSP_Func_TFR	Trigonometric Math Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_VFR	Vector Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Func_XFR	Matrix Library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_MEM	General-purpose ANSI C-compliant memory pool manager	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_RSA	RSA security algorithm for DSP family	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_StackCheck	Software stack check support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_Test	Test tools support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v21	V.21bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v22bis	V.22bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v42bis	V.42bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DSP_v8bis	V.8bis modem services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFDetect	The detection of DTMF signals	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
DTMFGenerate	DTMF Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
EventCntr16	Event counter 16-bit	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr32	Event counter 32-bit	basic	basic	basic	basic	basic	basic	basic	basic
EventCntr8	Event counter 8-bit	basic	basic	basic	basic	basic	basic	basic	basic
Ext16IO	External 16-bit Input/Output	-	-	advanced	-	advanced	advanced	advanced	advanced
Ext32IO	External 32-bit Input/Output	-	-	advanced	-	advanced	advanced	advanced	advanced
Ext8IO	External 8-bit Input/Output	-	-	advanced	-	advanced	advanced	advanced	advanced
ExtBitIO	External 1-bit Input/Output with Direction Register	-	-	advanced	-	advanced	advanced	advanced	advanced
ExtByteIO	External Byte Input/Output (8 bits) with Direction Register	-	-	advanced	-	advanced	advanced	advanced	advanced
ExternalFile	External Binary File Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
ExtInt	External interrupt	basic	basic	basic	basic	basic	basic	basic	basic
FDSPK	Full Duplex Speakerphone Interfaces	-	-	FDSPK	FDSPK	FDSPK	FDSPK	FDSPK	FDSPK
FreeCntr	Time measurement based on counter value (suitable for short time periods)	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr16	Time measurement counting periodic interrupt ticks in 16-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr32	Time measurement counting periodic interrupt ticks in 32-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic
FreeCntr8	Time measurement counting periodic interrupt ticks in 8-bit SW counter (suitable for longer time periods).	basic	basic	basic	basic	basic	basic	basic	basic
FreeMaster	FreeMaster supported with SCI and JTAG	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
FreescaleAnalogComp	Analog comparator on Freescale derivatives	advanced	advanced	-	-	-	-	-	-

Component\CPU family	Component description	56800	56 F8367	56 F8366	56 F8365	56 F8357	56 F8356	56 F8355	56 F8347	56 F8346	56 F8345
FreescaleCAN	CAN communication for Freescale implementation	FlexCAN*	FlexCAN	FlexCAN	FlexCAN	FlexCAN	FlexCAN	FlexCAN	FlexCAN	FlexCAN	FlexCAN
FreescaleHI8	HI8 communication	advanced*	-	-	-	-	-	-	-	-	-
FreescaleSSI	Synchronous serial interface	advanced*	-	-	-	-	-	-	-	-	-
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	G_723*	-	-	-	-	-	-	-	-	-
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	G_729A_B*	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	GenEchoCanceller*	-	-	-	-	-	-	-	-	-
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_CMP_56800	Comparator (CMP)	basic*	-	-	-	-	-	-	-	-	-
Init_DAC_56800	Digital to Analog Converter (DAC)	basic*	-	-	-	-	-	-	-	-	-
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	basic*	-	-	-	-	-	-	-	-	-
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	basic*	-	-	-	-	-	-	-	-	-
Init_I2C_56800	Inter-IC Bus (I2C)	basic*	-	-	-	-	-	-	-	-	-
Init_MSCAN_56800	Motorola Scalable Controller Area	basic*	-	-	-	-	-	-	-	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	basic*	-	-	-	-	-	-	-	-	-
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	basic*	-	-	-	-	-	-	-	-	-
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	basic*	-	-	-	-	-	-	-	-	-
Init_PWM_56800	Pulse Width Modulator Module (PWM)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_QD_56800	Quadrature Decoder (QD)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_REF_56800	Voltage Reference (REF)	basic*	-	-	-	-	-	-	-	-	-
Init_RTC_56800	Real-Time Counter (RTC)	basic*	-	-	-	-	-	-	-	-	-
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
Internall2C	Internal I2C Communication Interface	advanced*	-	-	-	-	-	-	-	-	-
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8335	56 F8323	56 F8322	56 F827	56 F826	56 F8257	56 F8256	56 F8255	56 F8247	56 F8246
FreescaleCAN	CAN communication for Freescale implementation	FlexCAN	FlexCAN	FlexCAN	-	-	MSCAN	MSCAN	MSCAN	-	-
FreescaleHI8	HI8 communication	-	-	-	-	-	-	-	-	-	-
FreescaleSSI	Synchronous serial interface	-	-	-	advanced	advanced	-	-	-	-	-
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	-	-	-	-	-	-	-	-	-	-
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	G_729A_B	G_729A_B	G_729A_B	-	-	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	-	-	-	-	-	-	-	-	-	-
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic	basic	basic	basic	-	basic	basic	basic	basic	basic
Init_CMP_56800	Comparator (CMP)	-	-	-	-	-	-	-	-	-	-
Init_DAC_56800	Digital to Analog Converter (DAC)	-	-	-	-	-	basic	basic	basic	basic	basic
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	-	-	-	-	-	basic	basic	basic	basic	basic
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	basic	basic	basic	-	-	-	-	-	-	-
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	-	-	-	-	-	basic	basic	basic	basic	basic
Init_I2C_56800	Inter-IC Bus (I2C)	-	-	-	-	-	basic	basic	basic	basic	basic
Init_MSCAN_56800	Motorola Scalable Controller Area	-	-	-	-	-	basic	basic	basic	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	-	-	-	-	-	-	-	-	-	-
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	-	-	-	-	-	-	-	-	-	-
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	-	-	-	-	-	-	-	-	-	-
Init_PWM_56800	Pulse Width Modulator Module (PWM)	basic	basic	basic	-	-	-	-	-	-	-
Init_QD_56800	Quadrature Decoder (QD)	basic	basic	basic	-	-	-	-	-	-	-
Init_REF_56800	Voltage Reference (REF)	-	-	-	-	-	basic	basic	basic	basic	basic
Init_RTC_56800	Real-Time Counter (RTC)	-	-	-	-	-	-	-	-	-	-
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	basic	basic	basic	-	-	basic	basic	basic	basic	basic
Internall2C	Internal I2C Communication Interface	-	-	-	-	-	advanced	advanced	advanced	advanced	advanced
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8245	56 F8167	56 F8166	56 F8165	56 F8157	56 F8156	56 F8155	56 F8147	56 F8146	56 F8145
FreescaleCAN	CAN communication for Freescale implementation	-	-	-	-	-	-	-	-	-	-
FreescaleHI8	HI8 communication	-	-	-	-	-	-	-	-	-	-
FreescaleSSI	Synchronous serial interface	-	-	-	-	-	-	-	-	-	-
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	-	-	-	-	-	-	-	-	-	-
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	-	-	-	-	-	-	-	-	-	-
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_CMP_56800	Comparator (CMP)	-	-	-	-	-	-	-	-	-	-
Init_DAC_56800	Digital to Analog Converter (DAC)	basic	-	-	-	-	-	-	-	-	-
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	basic	-	-	-	-	-	-	-	-	-
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	-	-	-	-	-	-	-	-	-	-
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	basic	-	-	-	-	-	-	-	-	-
Init_I2C_56800	Inter-IC Bus (I2C)	basic	-	-	-	-	-	-	-	-	-
Init_MSCAN_56800	Motorola Scalable Controller Area	-	-	-	-	-	-	-	-	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	-	-	-	-	-	-	-	-	-	-
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	-	-	-	-	-	-	-	-	-	-
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	-	-	-	-	-	-	-	-	-	-
Init_PWM_56800	Pulse Width Modulator Module (PWM)	-	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_QD_56800	Quadrature Decoder (QD)	-	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_REF_56800	Voltage Reference (REF)	basic	-	-	-	-	-	-	-	-	-
Init_RTC_56800	Real-Time Counter (RTC)	-	-	-	-	-	-	-	-	-	-
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Internall2C	Internal I2C Communication Interface	advanced	-	-	-	-	-	-	-	-	-
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8135	56 F8123	56 F8122	56 F807	56 F805	56 F8037	56 F8036	56 F803	56 F8025	56 F8023
FreescaleCAN	CAN communication for Freescale implementation	-	-	-	MSCAN	MSCAN	MSCAN	MSCAN	MSCAN	-	-
FreescaleHI8	HI8 communication	-	-	-	-	-	-	-	-	-	-
FreescaleSSI	Synchronous serial interface	-	-	-	-	-	-	-	-	-	-
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	-	-	-	-	-	-	-	-	-	-
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	G_729A_B	G_729A_B	G_729A_B	-	-	G_729A_B	G_729A_B	-	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	-	-	-	-	-	-	-	-	-	-
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_CMP_56800	Comparator (CMP)	-	-	-	-	-	basic	basic	-	basic	basic
Init_DAC_56800	Digital to Analog Converter (DAC)	-	-	-	-	-	basic	basic	-	basic	basic
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	-	-	-	-	-	-	-	-	-	-
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	-	-	-	-	-	-	-	-	-	-
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	-	-	-	-	-	-	-	-	-	-
Init_I2C_56800	Inter-IC Bus (I2C)	-	-	-	-	-	basic	basic	-	basic	basic
Init_MSCAN_56800	Motorola Scalable Controller Area	-	-	-	basic	basic	basic	basic	basic	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	-	-	-	-	-	-	-	-	-	-
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	-	-	-	-	-	-	-	-	-	-
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	-	-	-	-	-	basic	basic	-	basic	basic
Init_PWM_56800	Pulse Width Modulator Module (PWM)	basic	-	-	basic	basic	basic	basic	basic	basic	basic
Init_QD_56800	Quadrature Decoder (QD)	basic	-	-	basic	basic	-	-	basic	-	-
Init_REF_56800	Voltage Reference (REF)	-	-	-	-	-	-	-	-	-	-
Init_RTC_56800	Real-Time Counter (RTC)	-	-	-	-	-	-	-	-	-	-
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	basic	basic	basic	-	-	basic	basic	-	basic	basic
Internall2C	Internal I2C Communication Interface	-	-	-	-	-	advanced	advanced	-	advanced	advanced
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F802	56 F8014VPE	56 F8014VFA E	56 F8013VPE	56 F8013VFA E	56 F8011	56 F801	56 F8006_48 LQFP	56 F8006_32 SDIP	56 F8006_32 LQFP
FreescaleCAN	CAN communication for Freescale implementation	-	-	-	-	-	-	-	-	-	-
FreescaleHI8	HI8 communication	-	-	-	-	-	-	-	-	-	-
FreescaleSSI	Synchronous serial interface	-	-	-	-	-	-	-	-	-	-
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	-	-	-	-	-	-	-	-	-	-
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	-	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	-	G_729A_B	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	-	-	-	-	-	-	-	-	-	-
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_CMP_56800	Comparator (CMP)	-	-	-	-	-	-	-	-	-	-
Init_DAC_56800	Digital to Analog Converter (DAC)	-	-	-	-	-	-	-	-	-	-
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	-	-	-	-	-	-	-	-	-	-
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	-	-	-	-	-	-	-	-	-	-
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	-	-	-	-	-	-	-	basic	basic	basic
Init_I2C_56800	Inter-IC Bus (I2C)	-	basic	basic	basic	basic	basic	-	basic	basic	basic
Init_MSCAN_56800	Motorola Scalable Controller Area	-	-	-	-	-	-	-	-	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	-	-	-	-	-	-	-	basic	basic	basic
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	-	-	-	-	-	-	-	basic	basic	basic
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	-	-	-	-	-	-	-	basic	basic	basic
Init_PWM_56800	Pulse Width Modulator Module (PWM)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_QD_56800	Quadrature Decoder (QD)	-	-	-	-	-	-	-	-	-	-
Init_REF_56800	Voltage Reference (REF)	-	-	-	-	-	-	-	-	-	-
Init_RTC_56800	Real-Time Counter (RTC)	-	-	-	-	-	-	-	basic	basic	basic
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	-	basic	basic	basic	basic	basic	basic	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	-	basic	basic	basic	basic	basic	-	basic	basic	basic
Internall2C	Internal I2C Communication Interface	-	advanced	advanced	advanced	advanced	advanced	-	advanced	advanced	advanced
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced

Component\CPU family	Component description	56 F8006_28 SOIC	56 F8002_28 SOIC	56 858	56 857	56 855	56 854	56 853	56 852
FreescaleCAN	CAN communication for Freescale implementation	-	-	-	-	-	-	-	-
FreescaleHI8	HI8 communication	-	-	advanced	advanced	-	advanced	advanced	-
FreescaleSSI	Synchronous serial interface	-	-	advanced	advanced	advanced	advanced	advanced	advanced
g165	Electronic Echo Cancellation (G.165)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g168	Electronic Echo Cancellation (G.168)	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g711	PCM Encoding (A-law / Mu-law	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g723	G.723.1A Speech Codec Library	-	-	G_723	G_723	G_723	G_723	G_723	G_723
g726	G.726 ADPCM Codec Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
g729ab	G.729AB Vocoder Services	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B	G_729A_B
GenericEchoCanceller	The Generic Echo Canceller Library	-	-	GenEchoC anceller	GenEchoC anceller	GenEchoC anceller	GenEchoC anceller	GenEchoC anceller	GenEchoC anceller
Init_ADC_56800	Analog-to-Digital Converter (ADC)	basic	basic	-	-	-	-	-	-
Init_CMP_56800	Comparator (CMP)	-	-	-	-	-	-	-	-
Init_DAC_56800	Digital to Analog Converter (DAC)	-	-	-	-	-	-	-	-
Init_eFlexPWM_56800	Enhanced Flex Pulse Width Modulator (eFlexPWM)	-	-	-	-	-	-	-	-
Init_FlexCAN_56800	Flex Controller Area Network (FlexCAN)	-	-	-	-	-	-	-	-
Init_GPIO_56800	General Purpose Input/Output (GPIO)	basic	basic	basic	basic	basic	basic	basic	basic
Init_HSCMP_56800	High Speed Comparator (HSCMP)	basic	basic	-	-	-	-	-	-
Init_I2C_56800	Inter-IC Bus (I2C)	basic	basic	-	-	-	-	-	-
Init_MSCAN_56800	Motorola Scalable Controller Area	-	-	-	-	-	-	-	-
Init_PDB_56800	advancedgrammable Delay Block (PDB)	basic	basic	-	-	-	-	-	-
Init_PGA_56800	advancedgrammable Gain Amplifier (PGA)	basic	basic	-	-	-	-	-	-
Init_PIT_56800	advancedgrammable Interval Timer module (PIT)	basic	basic	-	-	-	-	-	-
Init_PWM_56800	Pulse Width Modulator Module (PWM)	basic	basic	-	-	-	-	-	-
Init_QD_56800	Quadrature Decoder (QD)	-	-	-	-	-	-	-	-
Init_REF_56800	Voltage Reference (REF)	-	-	-	-	-	-	-	-
Init_RTC_56800	Real-Time Counter (RTC)	basic	basic	-	-	-	-	-	-
Init_SCI_56800	Serial Communications Interface (SCI)	basic	basic	basic	basic	basic	basic	basic	basic
Init_SPI_56800	Serial Peripheral Interface (SPI)	basic	basic	basic	basic	-	basic	basic	basic
Init_TMR_56800	Quad Timer Module (TMR)	basic	basic	basic	basic	basic	basic	basic	basic
InputPin	General 1-bit Input	basic	basic	-	-	-	-	-	-
Internall2C	Internal I2C Communication Interface	advanced	advanced	-	-	-	-	-	-
InterruptVector	Interrupt vector handled in user code	basic	basic	basic	basic	basic	basic	basic	basic
IntFLASH	Internal FLASH	advanced	advanced	-	-	-	-	-	-
Led	LED device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_BldcHallSensor	BLDC Commutation Handler with Hall	advanced	advanced	-	-	-	-	-	-
MC_BldcZeroCross	BLDC Motor Commutation with Zero	advanced	advanced	-	-	-	-	-	-

Component\CPU family	Component description	56800	56 F8367	56 F8366	56 F8365	56 F8357	56 F8356	56 F8355	56 F8347	56 F8346	56 F8345
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_FluxModel	AC Induction Flux Model Calculation	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCalcAngle	Angle Calculation	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedprogrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
RTC	Real Time Clock	advanced*	-	-	-	-	-	-	-	-	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F8335	56 F8323	56 F8322	56 F827	56 F826	56 F8257	56 F8256	56 F8255	56 F8247	56 F8246
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_FluxModel	AC Induction Flux Model Calculation	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_SrmCalcAngle	Angle Calculation	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedgrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	advanced	advanced	advanced	-	-	-	-	-	-	-
RTC	Real Time Clock	-	-	-	advanced	advanced	-	-	-	-	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F8245	56 F8167	56 F8166	56 F8165	56 F8157	56 F8156	56 F8155	56 F8147	56 F8146	56 F8145
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_FluxModel	AC Induction Flux Model Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCalcAngle	Angle Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedprogrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	-	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
RTC	Real Time Clock	-	-	-	-	-	-	-	-	-	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F8135	56 F8123	56 F8122	56 F807	56 F805	56 F8037	56 F8036	56 F803	56 F8025	56 F8023
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_FluxModel	AC Induction Flux Model Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCalcAngle	Angle Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	advanced	advanced	advanced	-	-	advanced	advanced	-	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedgrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced	-	-	advanced	advanced	advanced	advanced	advanced	advanced	advanced
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	advanced	-	-	advanced	advanced	-	-	advanced	-	-
RTC	Real Time Clock	-	-	-	-	-	-	-	-	-	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F802	56 F8014VPE	56 F8014VFAE	56 F8013VPE	56 F8013VFAE	56 F8011	56 F801	56 F8006_48 LQFP	56 F8006_32 SDIP	56 F8006_32 LQFP
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_FluxModel	AC Induction Flux Model Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCalcAngle	Angle Calculation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	-	advanced	advanced	advanced	advanced	advanced	-	advanced	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedgrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	-	-	-	-	-	-	-	-	-	-
RTC	Real Time Clock	-	-	-	-	-	-	-	-	-	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	-	basic	basic	basic	basic	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F8006_28 SOIC	56 F8002_28 SOIC	56 858	56 857	56 855	56 854	56 853	56 852
MC_BrakeControl	Algorithm for brake control for motors in general.	advanced	advanced	-	-	-	-	-	-
MC_ClarkePark	The algorithms for Clarke & Park transformations for motors in general.	advanced	advanced	-	-	-	-	-	-
MC_Decoupling	Decoupling Algorithm for Vector Control of AC Induction Machine.	advanced	advanced	-	-	-	-	-	-
MC_DQestabl	d-q System Establishment & Field Rotational Speed Calculation.	advanced	advanced	-	-	-	-	-	-
MC_FluxModel	AC Induction Flux Model Calculation	advanced	advanced	-	-	-	-	-	-
MC_LookUpTable	Algorithm for Look-Up Table control for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_PhaseFluxEst	Phase Flux Estimation	advanced	advanced	-	-	-	-	-	-
MC_PIController	Controller Algorithms for control motor speed, current, shaft position etc. in close	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_Ramp	Algorithm generates the acceleration	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_SpaceVectorMod	Algorithms of the modulation techniques.	advanced	advanced	-	-	-	-	-	-
MC_SrmCalcAngle	Angle Calculation	advanced	advanced	-	-	-	-	-	-
MC_SrmCommutation	3-Phase SR Motor Commutation Handler	advanced	advanced	-	-	-	-	-	-
MC_SwitchControl	Algorithm for switch control for motors in general.	advanced	advanced	-	-	-	-	-	-
MC_Velocity	Velocity calculation for motors in general.	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MC_WaveGenerate	Motor Control 3-Phase Wave Generation	advanced	advanced	-	-	-	-	-	-
MFC_R2	MFCR2 Detection Services	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
MicroC_OS_II	Operating system MicroC/OS-II	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
NoiseSuppression	The noise suppression library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PC_Master	SCI with features specific to support PC Master	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PPG	advancedgrammable pulse generation	basic	basic	basic	basic	basic	basic	basic	basic
PulseAccumulator	Pulse Accumulator	basic	basic	basic	basic	basic	basic	basic	basic
PulseStream	Generation of Pulse Stream	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
PWM	Pulse width modulation	basic	basic	basic	basic	basic	basic	basic	basic
PWMMC	Pulse width modulation for motor control	advanced	advanced	-	-	-	-	-	-
QuadratureDecoder	Quadrature decoder to decode shaft position, revolution count and speed.	-	-	-	-	-	-	-	-
RTC	Real Time Clock	-	-	advanced	advanced	advanced	advanced	advanced	-
RTIshared	Real Time Interrupt Shareable	basic	basic	basic	basic	basic	basic	basic	basic
StringList	String List Converter	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SW_I2C	SW emulated I2C using two I/O pins.	basic	basic	basic	basic	basic	basic	basic	basic
Switch	Switch device support	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
SWSPI	Software synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic
SynchroMaster	Master for synchronous serial	basic	basic	basic	basic	-	basic	basic	basic

Component\CPU family	Component description	56800	56 F8367	56 F8366	56 F8365	56 F8357	56 F8356	56 F8355	56 F8347	56 F8346	56 F8345
SynchroSlave	Slave for synchronous serial	basic*	basic	basic	basic	basic	basic	basic	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	advanced*	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	basic*	basic	basic	-	basic	basic	-	basic	basic	-



Component\CPU family	Component description	56 F8335	56 F8323	56 F8322	56 F827	56 F826	56 F8257	56 F8256	56 F8255	56 F8247	56 F8246
SynchroSlave	Slave for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	advanced	advanced	advanced	-	-	advanced	advanced	advanced	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	-	-	-	basic	-	basic	basic	basic	basic	basic

Component\CPU family	Component description	56 F8245	56 F8167	56 F8166	56 F8165	56 F8157	56 F8156	56 F8155	56 F8147	56 F8146	56 F8145
SynchroSlave	Slave for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	basic	basic	basic	-	basic	basic	-	basic	basic	-

Component\CPU family	Component description	56 F8135	56 F8123	56 F8122	56 F807	56 F805	56 F8037	56 F8036	56 F803	56 F8025	56 F8023
SynchroSlave	Slave for synchronous serial	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	advanced	advanced	advanced	-	-	advanced	advanced	-	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	advanced	advanced	advanced	-	-	advanced	advanced	-	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	-	-	-	-	-	basic	-	-	-	-

Component\CPU family	Component description	56 F802	56 F8014VPE	56 F8014VFAE	56 F8013VPE	56 F8013VFAE	56 F8011	56 F801	56 F8006_48 LQFP	56 F8006_32 SDIP	56 F8006_32 LQFP
SynchroSlave	Slave for synchronous serial	-	basic	basic	basic	basic	basic	basic	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	-	advanced	advanced	advanced	advanced	advanced	-	advanced	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	-	advanced	advanced	advanced	advanced	advanced	-	advanced	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	-	-	-	-	-	-	-	-	-	-

Component\CPU family	Component description	56 F8006_28 SOIC	56 F8002_28 SOIC	56 858	56 857	56 855	56 854	56 853	56 852
SynchroSlave	Slave for synchronous serial	basic	basic	basic	basic	-	basic	basic	basic
TEL_AEC	Acoustic Echo Canceller	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_AGC	Automatic Gain Control	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CallerID	Caller ID Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TEL_CASDetect	Customer Premises Equipment Alerting Signal Detection	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
Term	ANSI Terminal	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimeDate	Time and date	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
TimerInt	Periodic interrupt	basic	basic	basic	basic	basic	basic	basic	basic
TimerOut	Flip-flop output 1:1	basic	basic	basic	basic	basic	basic	basic	basic
VAD_CNG_DTX	The Voice Activity Detection, the Comfort Noise Generation and the Discontinuous Transmission function library	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VoiceActivityDetect	Voice Activity Detect service	advanced	advanced	advanced	advanced	advanced	advanced	advanced	advanced
VR_Lite1	Voice recognition functionality support	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1	VRLite1
WatchDog	WatchDog bean	basic	basic	basic	basic	basic	basic	basic	basic
WordIO	General Word (16-bit) Input/Output	-	-	basic	basic	-	basic	basic	-