7 Series Zynq-7000 based modules

	TE	0715	-	03	-	x	x	x	x	x	x	-	x
	1 2	3456	7	8 9	10	11	12	13	14	15	16	17	18

Module type

TE	BB Mezzanine Module

Module name

0715	0716	0720	0722	0723	0724	0726	0727	0729	0745
0782	0783	0784							

Module Revision

01	Revision 1 (initial)

Device name

Z-7S	*Z-12S*	*Z-14S*	*Z-10*	*Z-15*	*Z-20*	*Z-30*	*Z-35*	*Z-45*	*Z-100*	Zynq-7000
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**A**	

Speed grade

1	*2*	*3*	*L1*	*L2*	Zynq-7000
1	**2**	**3**	**4**	**5**	

Temp range (Tstr. abs. = -65 to +150°C)

XC (Standard-Grade)			**XA** (Automotive-Grade)		**XQ** (Defense-Grade)		
Commercial (0 /+85°C Tj)	Extended (0 /+100°C Tj)	Industrial (-40 /+100°C Tj)	I - Industrial (-40 /+100°C Tj)	Q - Expanded (-40 /+125°C Tj)	Extended (0 /+100°C Tj)	Industrial (-40 /+100°C Tj)	M - Military (-55 /+125°C Tj)
C	**E**	**I**	**T**	**Q**	**K**	**N**	**M**

DDR memory

-	*Not present*				
0	*Not populated*				
1	TE0720/TE0745: 1GByte	Industrial	2 x 4Gbit - IM4G16D3FABG-125I (Obsolete)		#27202
2					
3	TE0715/TE0720/TE0727/TE0724/TE0745/TE0782/TE0784: 1GByte	Industrial	2 x 4Gbit	IS43TR16256BL-125KBLI (DDR3L)	#29494
	TE0783: 1GByte (PS), 2GByte (PL)		6 x 4Gbit		
4	TE0720: 256MByte	Industrial	2 x 1Gbit - IME1G16D3EEBG-15:EI (ECC)		#27015
5	TE0720: 256MByte	Industrial	2 x 1Gbit - NT5CC64M16GP-DII (DDR3L)		#27039
6	TE0720/TE0723/TE0726/TE0729: 512MByte	Industrial	1 x 4Gbit - IS43TR16256BL-125KBLI		#29494
7	TE0726:128MByte	Industrial	1 x 1Gbit - NT5CC64M16GP-DII (DDR3L)		#27039
8	TE0720: 1GByte	Automotive	2 x 4Gbit - IS46TR16256BL-125KBLA2 (DDR3L)		#30927
9	TE0726: 512MByte	Industrial	1 x 4GBit - IS43TR16256ECL-125LB2LI (DDR3L ECC)		#32030
X	SODIMMSocket				

Flash memory

0	*Not populated*			
1	TE0745: 64 MByte	Industrial	512Mbit - MT25QU512ABB8E12-0SIT (1.8V)	#29292
2	TE0720/TE0724: 32 MByte	Industrial	256Mbit - S25FL256SAGBHI20 (3.3V)	#25945
3	TE0715/TE0720/TE0729/TE0782/TE0783: 32 MByte	Industrial	256Mbit - S25FL256SAGBHI20 (3.3V)	#25945
	exception: TE0724: 64 MByte	Extended	512Mbit - IS25LP512M-RHLE (3.3V)	#30275
4	TE0723/TE0726/TE0727: 16 MByte	Automotive	128Mbit - S25FL127SABMFV10 (3.3V, SO8W)	#26078
5	TE0729/0783: 32 MByte	Extended	256Mbit - IS25LP256D-JHLE (3.3V)	#29170
6	TE0720: 32 MByte	Automotive	256Mbit - MT25QL256ABA8E12-0AUT	#30928
7	TE0720: 32 MByte	Industrial	256Mbit - MT25QL256ABA8E12-1SIT	#28856

eMMC

-	*Not present*			
0	*Not populated*			
F	TE0720: 8GByte	Industrial	8GByte - IS21ES08G-JCLI	#29169 (EOL)
G	TE0720: 32GByte	Industrial	32GByte - IS21ES32G-JCLI	#29880 (EOL)
H	TE0783: 64GByte	Industrial	64GByte - IS21ES64G-JCLI	#29799 (EOL)
K	TE0720: 8GByte	Automotive	8GByte - IS22ES08G-JCLA1	#30926 (EOL)
M	TE0720: 8GByte	Industrial	8GByte - SDINBDG4-8G-XI2	#31133

N	TE0720: 32GByte	Industrial	32GByte - SDINBDG4-32G-XI2	#31139
P	TE0720: 8GByte	Automotive	8GByte - SDINBDG4-8G-XA	#32277

Other options (Connectors, custom options)	
A	Standard assembly variant
L	Low profile
...	Custom assembly variant, look additional table below

Additional options.	
	no extra options
S	Starter Kit
K	With Heat spreader
P	Prototype
Y	RTC not assembled
Z	MUN12A instead of TPS82140
...	Custom assembly variant, look additional table below

Other assembly variations (position 17)

Module	Variation	Description
TE0716	A	Standard height assembly option
	N	Standard height assembly option (same as A), BOM partially supplied by customer
	M	Standard height assembly option (same as A), BOM partially supplied by customer
TE0720	A	Standard height assembly option
	L	Low profile assembly option
	M	Custom assembly option: Standard height, no Ethernet, USB, RTC, VBAT, CryptoKey
TE0722	B	Standard assembly variant, diode D4 and SD socket J8 is not populated
	D	Standard assembly variant, SD socket J8 is not populated
TE0724	A	Standard height assembly option
TE0726	A	Standard height assembly option
	Q	Custom assembly option: Standard height, no USB, DSI LCD Con., 3.5RCA
	R	Custom assembly option: Standard height, no USB, DSI LCD Con., 3.5RCA, HDMI, CSI Cam Con.
TE0727	A	Standard height assembly option
TE0729	A	Standard height assembly option
	M	Standard height, Ethernet Phys not assembled
TE0745	A	Standard height assembly option
	B	Standard height assembly option, black solder mask
	F	Standard height option, FPGA - FFG676 package
TE0782	A	Standard height assembly option
	H	Standard height assembly option with two Hyperflash

Other assembly variations (position 18)

Module	Variation	Description
TE0715	N	Coated (Coating 3M NOVEC EGC-1700)
TE0720	S	Starter kit
	N	Coated (Coating 3M NOVEC EGC-1700)
	B	BOM partially supplied by customer
	D	Custom CPLD Design
	E	Custom KK 27430
	F	Custom KK 30570
TE0729	S	Starter kit
TE0745	K	Heat spreader assembled
	N	Coated (Coating 3M NOVEC EGC-1700)