

7 Series Zynq-7000 based modules

										TE	0715	-	03	-	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																			
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)