Z97-WS Q-Code Logger: Port 80 posting codes reference list

Q-Code	Description	Note
0000	Not used	
0001	Power on. Reset type detection (soft/hard).	
0002	AP initialization before microcode loading	
0003	System Agent initialization before microcode loading	
0004	PCH initialization before microcode loading	
0005	OEM initialization before microcode loading	
0006	Microcode loading	
0007	AP initialization after microcode loading	
0008	System Agent initialization after microcode loading	
0009	PCH initialization after microcode loading	
000A	OEM initialization after microcode loading	
000B	Cache initialization	
000C –000D	Reserved for future AMI SEC error codes	
000E	Microcode not found	
000F	Microcode not loaded	
0010	PEI Core is started	
0011	Pre-memory CPU initialization is started	
0012 –0014	Pre-memory CPU initialization (CPU module specific)	
0015	Pre-memory System Agent initialization is started	
0016 –0018	Pre-memory System Agent initialization (System Agent module specific)	
0019	Pre-memory PCH initialization is started	
001A –001C	Pre-memory PCH initialization (PCH module specific)	
001D– 002A	OEM pre-memory initialization codes	
002B	Memory initialization. Serial Presence Detect (SPD) data reading	
002C	Memory initialization. Memory presence detection	
002D	Memory initialization. Programming memory timing information	
002E	Memory initialization. Configuring memory	
002F	Memory initialization (other).	
0030	Reserved for ASL (see ASL Status Codes section below)	
0031	Memory Installed	
0C11 - 0CFF	Set voltages	
DD00 - DD7E	Intel Memory Reference Code (MRC)	
0032	CPU post-memory initialization is started	
0033	CPU post-memory initialization. Cache initialization	
0034	CPU post-memory initialization. Application Processor(s) (AP) initialization	
0035	CPU post-memory initialization. Boot Strap Processor (BSP) selection	
0036	CPU post-memory initialization. System Management Mode (SMM) initialization	
0037	Post-Memory System Agent initialization is started	
0038 –003A	Post-Memory System Agent initialization (System Agent module specific)	
003B	Post-Memory PCH initialization is started	
003C –003E	Post-Memory PCH initialization (PCH module specific)	
003F – 004E	OEM post memory initialization codes	
004F	DXE IPL is started	
0050	Memory initialization error. Invalid memory type or incompatible memory speed	
0051	Memory initialization error. SPD reading has failed	
0052	Memory initialization error. Invalid memory size or memory modules do not match.	
0053	Memory initialization error. No usable memory detected	
0054	Unspecified memory initialization error	
0055	Memory not installed	
0056	Invalid CPU type or Speed	
0057	CPU mismatch	
0058	CPU self test failed or possible CPU cache error	

0059	CPU micro-code is not found or micro-code update is failed	
005A	Internal CPU error	
005B	Reset PPI is not available	
005C – 005F	Reserved for future AMI error codes	
00E0	S3 Resume is stared (S3 Resume PPI is called by the DXE IPL)	
00E1	S3 Boot Script execution	
00E2	Video repost	
00E3	OS S3 wake vector call	
00E4 – 00E7	Reserved for future AMI progress codes	
00E8	S3 Resume Failed	
00E9	S3 Resume PPI not Found	
00EA	S3 Resume Boot Script Error	
00EB	S3 OS Wake Error	
00EC – 00EF	Reserved for future AMI error codes	
00F0	Recovery condition triggered by firmware (Auto recovery)	
00F1	Recovery condition triggered by user (Forced recovery)	
00F2	Recovery process started	
00F3	Recovery firmware image is found	
00F4	Recovery firmware image is loaded	
00F5 – 00F7	Reserved for future AMI progress codes	
00F8	Recovery PPI is not available	
00F9	Recovery capsule is not found	
00FA	Invalid recovery capsule	
00FB – 00FF	Reserved for future AMI error codes	
0060	DXE Core is started	
0061	NVRAM initialization	
0062	Installation of the PCH Runtime Services	
0063	CPU DXE initialization is started	
0064 –0067	CPU DXE initialization (CPU module specific)	
0068	PCI host bridge initialization	
0069	System Agent DXE initialization is started	
006A	System Agent DXE SMM initialization is started	
006B –006F	System Agent DXE initialization (System Agent module specific)	
0070	PCH DXE initialization is started	
0071	PCH DXE SMM initialization is started	
0072	PCH devices initialization	
0073 –0077	PCH DXE Initialization (PCH module specific)	
0078	ACPI module initialization	
0079	CSM initialization	
007A – 007F	Reserved for future AMI DXE codes	
0080 – 008F	OEM DXE initialization codes	
0090	Boot Device Selection (BDS) phase is started	
0091	Driver connecting is started	
0092	PCI Bus initialization is started	
0093	PCI Bus Hot Plug Controller Initialization	
0094	PCI Bus Enumeration	
0095	PCI Bus Request Resources	
0096	PCI Bus Assign Resources	
0097	Console Output devices connect	
0098	Console input devices connect	
0099	Super IO Initialization	
009A	USB initialization is started	
009B	USB Reset	
009C	USB Detect	
009D	USB Enable	
009E – 009F	Reserved for future AMI codes	
00A0	IDE initialization is started	
00A1	IDE Reset	
00A2	IDE Detect	
00A3	IDE Enable	

00A4	SCSI initialization is started	
00A5	SCSI Reset	
00A6	SCSI Detect	
00A7	SCSI Enable	
00A8	Setup Verifying Password	
00A9	Start of Setup	
00AA	Reserved for ASL (see ASL Status Codes section below)	
00AB	Setup Input Wait	
00AC	Reserved for ASL (see ASL Status Codes section below)	
00AD	Ready To Boot event	
00AE	Legacy Boot event	
00AF	Exit Boot Services event	
00B0	Runtime Set Virtual Address MAP Begin	
00B1	Runtime Set Virtual Address MAP End	
00B2	Legacy Option ROM Initialization	
00B3	System Reset	
00B4	USB hot plug	
00B5	PCI bus hot plug	
00B6	Clean-up of NVRAM	
00B7	Configuration Reset (reset of NVRAM settings)	
00B8– 00BF	Reserved for future AMI codes	
00C0– 00CF	OEM BDS initialization codes	
00D0	CPU initialization error	
00D1	System Agent initialization error	
00D2	PCH initialization error	
00D3	Some of the Architectural Protocols are not available	
00D4	PCI resource allocation error. Out of Resources	
00D5	No Space for Legacy Option ROM	
00D6	No Console Output Devices are found	
00D7	No Console Input Devices are found	
00D8	Invalid password	
00D9	Error loading Boot Option (LoadImage returned error)	
00DA	Boot Option is failed (StartImage returned error)	
00DB	Flash update is failed	
00DC	Reset protocol is not available	
0000	Passes control to OS Loader(typically INT19h)	

ACPI/ASL	Description	Note
0001	System is entering S1 sleep state	
0002	System is entering S2 sleep state	
0003	System is entering S3 sleep state	
0004	System is entering S4 sleep state	
0005	System is entering S5 sleep state	
0010	System is waking up from the S1 sleep state	
0020	System is waking up from the S2 sleep state	
0030	System is waking up from the S3 sleep state	
0040	System is waking up from the S4 sleep state	
00AC	System has transitioned into ACPI mode. Interrupt controller is in PIC mode.	
00AA	System has transitioned into ACPI mode. Interrupt controller is in APIC mode.	