

U-Boot 2009.08-00339-g1951501 (Mar 30 2012 - 10:38:54)

CPU: Freescale i.MX53 family 2.1V at 800 MHz
mx53 pll1: 800MHz
mx53 pll2: 400MHz
mx53 pll3: 216MHz
mx53 pll4: 455MHz
ipg clock : 66666666Hz
ipg per clock : 33333333Hz
uart clock : 66666666Hz
cspi clock : 54000000Hz
ahb clock : 13333333Hz
axi_a clock : 400000000Hz
axi_b clock : 200000000Hz
emi_slow clock: 13333333Hz
ddr clock : 400000000Hz
esdhc1 clock : 80000000Hz
esdhc2 clock : 80000000Hz
esdhc3 clock : 80000000Hz
esdhc4 clock : 80000000Hz
nfc clock : 26666666Hz
Board: MX53-SMD Rev. B
Boot Reason: [POR]
Boot Device: SD
I2C: ready
DRAM: 512 MB
MMC: FSL_ESDHC: 0, FSL_ESDHC: 1
*** Warning - bad CRC or MMC, using default environment

In: serial
Out: serial
Err: serial
da9052_i2c_is_connected - i2c write success....
Serial reinitilized!
Checking for recovery command file...
Net: got MAC address from IIM: 00:04:9f:01:ef:2d
FEC0 [PRIME]
Warning: FEC0 MAC addresses don't match:
Address in SROM is 00:04:9f:01:ef:2d
Address in environment is 00:04:9f:00:ea:d3

Hit any key to stop autoboot: 0

MMC read: dev # 1, block # 2048, count 8192 partition # 0 ...
8192 blocks read: OK

MMC read: dev # 1, block # 12288, count 768 partition # 0 ...
768 blocks read: OK

Booting kernel from Legacy Image at 70800000 ...
Image Name: Linux-2.6.35.3-01265-g8f56f17
Image Type: ARM Linux Kernel Image (uncompressed)
Data Size: 3329564 Bytes = 3.2 MB
Load Address: 70008000
Entry Point: 70008000
Verifying Checksum ... OK
Loading init Ramdisk from Legacy Image at 70d00000 ...
Image Name: Android Root Filesystem
Image Type: ARM Linux RAMDisk Image (uncompressed)
Data Size: 182428 Bytes = 178.2 kB
Load Address: 70308000
Entry Point: 70308000

Verifying Checksum ... OK
Loading Kernel Image ... OK
OK

Starting kernel ...

Initializing cgroup subsys cpu
Linux version 2.6.35.3-01265-g8f56f17 (b18293@madspeed) (gcc version 4.4.3 (GCC)
) #6 PREEMPT Fri Mar 30 14:05:53 CST 2012
CPU: ARMv7 Processor [412fc085] revision 5 (ARMv7), cr=10c53c7f
CPU: VIPT nonaliasing data cache, VIPT nonaliasing instruction cache
Machine: Freescale MX53 SMD Board
Memory policy: ECC disabled, Data cache writeback
Built 1 zonelists in Zone order, mobility grouping on. Total pages: 81534
Kernel command line: console=ttymxc0 init=/init androidboot.console=ttymxc0
video=mxcdilfb:RGB666,XGA ldb=di1 di1_primary pmem=32M,64M fbmem=5M
gpu_memory=6M
PID hash table entries: 2048 (order: 1, 8192 bytes)
Dentry cache hash table entries: 65536 (order: 6, 262144 bytes)
Inode-cache hash table entries: 32768 (order: 5, 131072 bytes)
allocated 1643520 bytes of page_cgroup
please try 'cgroup_disable=memory' option if you don't want memory cgroups
Memory: 321MB = 321MB total
Memory: 313832k/313832k available, 14872k reserved, 0K highmem
Virtual kernel memory layout:
vector : 0xffff0000 - 0xffff1000 (4 kB)
fixmap : 0xffff0000 - 0xffffe000 (896 kB)
DMA : 0xfde00000 - 0xffe00000 (32 MB)
vmalloc : 0xd4800000 - 0xf4000000 (504 MB)
lowmem : 0xc0000000 - 0xd4100000 (321 MB)
pkmap : 0xbfe00000 - 0xc0000000 (2 MB)
modules : 0xbf000000 - 0xbfe00000 (14 MB)
.init : 0xc0008000 - 0xc0039000 (196 kB)
.text : 0xc0039000 - 0xc0895000 (8560 kB)
.data : 0xc08b6000 - 0xc091ece0 (420 kB)
SLUB: Genslabs=11, HWalign=32, Order=0-3, MinObjects=0, CPUs=1, Nodes=1
Hierarchical RCU implementation.
RCU-based detection of stalled CPUs is disabled.
Verbose stalled-CPU detection is disabled.
NR_IRQS:368
MXC GPIO hardware
MXC IRQ initialized
MXC_Early serial console at MMIO 0x53fbc000 (options '115200')
bootconsole [ttymxc0] enabled
Console: colour dummy device 80x30
Calibrating delay loop... 999.42 BogoMIPS (lpj=4997120)
pid_max: default: 32768 minimum: 301
Security Framework initialized
Mount-cache hash table entries: 512
Initializing cgroup subsys debug
Initializing cgroup subsys ns
Initializing cgroup subsys cpuacct
Initializing cgroup subsys memory
Initializing cgroup subsys devices
Initializing cgroup subsys freezer
Initializing cgroup subsys blkio
CPU: Testing write buffer coherency: ok
regulator: core version 0.5
NET: Registered protocol family 16
i.MX IRAM pool: 128 KB@0xd4840000
IRAM READY
CPU is i.MX53 Revision 2.1

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Using SDMA I.API
MXC DMA API initialized
IMX usb wakeup probe
IMX usb wakeup probe
bio: create slab <bio-0> at 0
SCSI subsystem initialized
CSPI: mxc_spi-0 probed
Freescale USB OTG Driver loaded, $Revision: 1.55 $
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
da9052_i2c_is_connected - i2c read success....
reg-fixed-voltage reg-fixed-voltage.0: Could not obtain regulator enable GPIO
74: -16
reg-fixed-voltage: probe of reg-fixed-voltage.0 failed with error -16
regulator: DA9052_LD01: 600 <--> 1800 mV at 1300 mV normal
regulator: DA9052_LD02: 600 <--> 1800 mV at 1300 mV normal
regulator: DA9052_LD03: 1725 <--> 3300 mV at 3300 mV normal
regulator: DA9052_LD04: 1725 <--> 3300 mV at 2775 mV normal
regulator: DA9052_LD05: 1200 <--> 3600 mV at 1300 mV normal
regulator: DA9052_LD06: 1200 <--> 3600 mV at 1300 mV normal
regulator: DA9052_LD07: 1200 <--> 3600 mV at 2750 mV normal
regulator: DA9052_LD08: 1200 <--> 3600 mV at 1800 mV normal
regulator: DA9052_LD09: 1250 <--> 3650 mV at 1500 mV normal
regulator: DA9052_LD010: 1200 <--> 3600 mV at 1300 mV normal
regulator: DA9052_BUCK_CORE: 500 <--> 2075 mV at 1250 mV normal
regulator: DA9052_BUCK_PRO: 500 <--> 2075 mV at 1300 mV normal
regulator: DA9052_BUCK_MEM: 925 <--> 2500 mV at 1500 mV normal
regulator: DA9052_BUCK_PERI: 1800 <--> 3600 mV at 3600 mV normal
DA9053 chip ID reg read=0xa3
BB version probed
IPU DMFC NORMAL mode: 1(0~1), 5B(4,5), 5F(6,7)
Advanced Linux Sound Architecture Driver Version 1.0.23.
Bluetooth: Core ver 2.15
NET: Registered protocol family 31
Bluetooth: HCI device and connection manager initialized
Bluetooth: HCI socket layer initialized
Switching to clocksource mxc_timer1
NET: Registered protocol family 2
IP route cache hash table entries: 4096 (order: 2, 16384 bytes)
TCP established hash table entries: 16384 (order: 5, 131072 bytes)
TCP bind hash table entries: 16384 (order: 4, 65536 bytes)
TCP: Hash tables configured (established 16384 bind 16384)
TCP reno registered
UDP hash table entries: 256 (order: 0, 4096 bytes)
UDP-Lite hash table entries: 256 (order: 0, 4096 bytes)
NET: Registered protocol family 1
RPC: Registered udp transport module.
RPC: Registered tcp transport module.
RPC: Registered tcp NFSv4.1 backchannel transport module.
Unpacking initramfs...
Freeing initrd memory: 176K
LPMode driver module loaded
Static Power Management for Freescale i.MX5
PM driver module loaded
sdram autogating driver module loaded
Bus freq driver module loaded
DI1 is primary
mxc_bt_rfkill driver success loaded
rfkill: BT RF going to : on
mxc_dvfs_core_probe
DVFS driver module loaded
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i.MXC CPU frequency driver
DVFS PER driver module loaded
ashmem: initialized
msgmni has been set to 613
alg: No test for stdrng (krng)
cryptodev: driver loaded.
io scheduler noop registered
io scheduler deadline registered
io scheduler cfq registered (default)
By setting, TVE driver will not be enabled
sii902x 2-0039: found device 9022
sii902x 2-0039: Can not read edid
regulator: get() with no identifier
mxc_ldb mxc_ldb: default di1 single mode
mxc_ipu mxc_ipu: Channel already disabled 9
mxc_ipu mxc_ipu: Channel already uninitialized 9
IPU DMFC DP HIGH RESOLUTION: 1(0,1), 5B(2~5), 5F(6,7)
fbcvt: 1024x768@60: CVT Name - .786M3
mxc_ipu mxc_ipu: Channel already disabled 7
mxc_ipu mxc_ipu: Channel already uninitialized 7
mxc_ipu mxc_ipu: Channel already disabled 10
mxc_ipu mxc_ipu: Channel already uninitialized 10
Serial: MXC Internal UART driver
mxcintuart.0: ttymx0 at MMIO 0x53fbc000 (irq = 31) is a Freescale i.MX
console [ttymx0] enabled, bootconsole disabled
console [ttymx0] enabled, bootconsole disabled
mxcintuart.1: ttymx1 at MMIO 0x53fc0000 (irq = 32) is a Freescale i.MX
mxcintuart.2: ttymx2 at MMIO 0x5000c000 (irq = 33) is a Freescale i.MX
mxcintuart.3: ttymx3 at MMIO 0x53ff0000 (irq = 13) is a Freescale i.MX
mxcintuart.4: ttymx4 at MMIO 0x63f90000 (irq = 86) is a Freescale i.MX
loop: module loaded
pmem_adsp: 1 init
pmem_gpu: 1 init
MXC MTD nand Driver 3.0
i.MX GPMI NFC
vcan: Virtual CAN interface driver
Freescale FlexCAN Driver
FEC Ethernet Driver
fec_enet_mii_bus: probed
PPP generic driver version 2.4.2
PPP Deflate Compression module registered
PPP BSD Compression module registered
PPP MPPE Compression module registered
NET: Registered protocol family 24
tun: Universal TUN/TAP device driver, 1.6
tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>
ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
fsl-ehci fsl-ehci.0: Freescale On-Chip EHCI Host Controller
fsl-ehci fsl-ehci.0: new USB bus registered, assigned bus number 1
fsl-ehci fsl-ehci.0: irq 18, io base 0x53f80000
fsl-ehci fsl-ehci.0: USB 2.0 started, EHCI 1.00
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 1 port detected
fsl-ehci fsl-ehci.1: Freescale On-Chip EHCI Host Controller
fsl-ehci fsl-ehci.1: new USB bus registered, assigned bus number 2
fsl-ehci fsl-ehci.1: irq 14, io base 0x53f80200
fsl-ehci fsl-ehci.1: USB 2.0 started, EHCI 1.00
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 1 port detected
usbcore: registered new interface driver cdc_acm
cdc_acm: v0.26:USB Abstract Control Model driver for USB modems and ISDN
adapters

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Initializing USB Mass Storage driver...
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
usbcore: registered new interface driver usbserial
usbserial: USB Serial Driver core
USB Serial support registered for GSM modem (1-port)
usbcore: registered new interface driver option
option: v0.7.2:USB Driver for GSM modems
ARC USBOTG Device Controller driver (1 August 2005)
Android usb driver initialize
android_usb gadget: android_usb ready
fsl-usb2-udc: bind to driver android_usb
android gadget: register function adb
android gadget: register function usb_mass_storage
android gadget: register function rndis
f_accessory init
android gadget: register function accessory
android_usb gadget: usb_mass_storage, version: 2009/09/11
android_usb gadget: Number of LUNs=3
  lun0: LUN: removable file: (no medium)
  lun1: LUN: removable file: (no medium)
  lun2: LUN: removable file: (no medium)
rndis_function_bind_config MAC: 00:00:00:00:00:00
android_usb gadget: using random self ethernet address
android_usb gadget: using random host ethernet address
usb0: MAC e6:49:7c:92:a6:cb
usb0: HOST MAC 06:5a:6c:7a:4a:06
acc_bind_config
mice: could not register psaux device, error: -16
mice: PS/2 mouse device common for all mice
input: gpio-keys as /devices/platform/gpio-keys/input/input0
MXC keypad loaded
mpr121 1-005a: mpr121: config as enable 4 of electrode.
input: FSL MPR121 Touchkey as /devices/platform/imx-i2c.1/i2c-1/1-005a/input/input1
mpr121 1-005a: Mpr121 touch keyboard init success.
input: eGalax Touch Screen as /devices/platform/imx-i2c.2/i2c-2/2-0004/input/input2
p1003_fwv33 2-0041: couldn't read panel information.
p1003_fwv33: probe of 2-0041 failed with error -5
usb 2-1: new high speed USB device using fsl-ehci and address 2
input: da9052-onkey as /devices/platform/imx-i2c.0/i2c-0/0-0048/da9052-onkey/input/input3
input: isl29023 light sensor as /devices/virtual/input/input4
isl29023 2-0044: driver version 1.0 enabled
using rtc device, da9052-rtc, for alarms
da9052-rtc da9052-rtc: rtc core: registered da9052-rtc as rtc0
i2c /dev entries driver
IR NEC protocol handler initialized
IR RC5(x) protocol handler initialized
IR RC6 protocol handler initialized
IR JVC protocol handler initialized
IR Sony protocol handler initialized
Linux video capture interface: v2.00
hub 2-1:1.0: USB hub found
hub 2-1:1.0: 4 ports detected
mxc_v4l2_output mxc_v4l2_output.0: Registered device video1
usbcore: registered new interface driver uvcvideo
USB Video Class driver (v0.1.0)
APM Battery Driver
input: mma8451 as /devices/virtual/input/input5
mag3110 1-000e: check mag3110 chip ID
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input: mag3110 as /devices/virtual/input/input6
mag3110 1-000e: mag3110 is probed
MXC WatchDog Driver 2.0
MXC Watchdog # 0 Timer: initial timeout 60 sec
device-mapper: ioctl: 4.17.0-ioctl (2010-03-05) initialised: dm-devel@redhat.com
Bluetooth: Virtual HCI driver ver 1.3
Bluetooth: HCI UART driver ver 2.2
Bluetooth: HCIATH3K protocol initialized
Bluetooth: Generic Bluetooth USB driver ver 0.6
usbcore: registered new interface driver btusb
VPU initialized
mxc_asrc registered
gpu mmu disabled
mxsdhci: MXC Secure Digital Host Controller Interface driver
mxsdhci: MXC SDHCI Controller Driver.
mmc0: SDHCI detect irq 0 irq 3 INTERNAL DMA
mxsdhci: MXC SDHCI Controller Driver.
mmc1: SDHCI detect irq 205 irq 1 INTERNAL DMA
mxsdhci: MXC SDHCI Controller Driver.
mmc2: SDHCI detect irq 0 irq 2 INTERNAL DMA
usbcore: registered new interface driver usbhid
usbhid: USB HID core driver
logger: created 64K log 'log_main'
logger: created 256K log 'log_events'
logger: created 64K log 'log_radio'
logger: created 64K log 'log_system'
Cirrus Logic CS42888 ALSA SoC Codec Driver
sgtl5000-i2c 1-000a: SGTL5000 revision 17
mxc_spdif mxc_spdif.0: MXC SPDIF Audio Transmitter
No device for codec mxc spdif
No device for DAI mxc spdif
No device for DAI imx-ssi-1-0
No device for DAI imx-ssi-1-1
No device for DAI imx-ssi-2-0
No device for DAI imx-ssi-2-1
No device for DAI imx-spdif-dai
DMA Sound Buffer Allocated: Playback UseIram=1 ext_ram=0 buf->addr=f8016000 buf-
>area=d4856000 size=24576
DMA Sound Buffer Allocated: Capture UseIram=1 ext_ram=1 buf->addr=83348000 buf-
>area=fe70a000 size=24576
asoc: SGTL5000 <-> imx-ssi-2-0 mapping ok
mmc0: new high speed MMC card at address 0001
mmcblk0: mmc0:0001 SEM08G 7.39 GiB
  mmcblk0: p1 p2 p3 < p5 p6 > p4
DMA Sound Buffer Allocated: Playback UseIram=1 ext_ram=1 buf->addr=83390000 buf-
>area=fe710000 size=24576
asoc: mxc spdif <-> imx-spdif-dai mapping ok
ALSA device list:
  #0: imx-3stack (SGTL5000)
  #1: imx-3stack-spdif (mxc spdif)
nf_conntrack version 0.5.0 (4906 buckets, 19624 max)
IPv4 over IPv4 tunneling driver
GRE over IPv4 tunneling driver
ip_tables: (C) 2000-2006 Netfilter Core Team
TCP cubic registered
NET: Registered protocol family 10
IPv6 over IPv4 tunneling driver
NET: Registered protocol family 17
NET: Registered protocol family 15
can: controller area network core (rev 20090105 abi 8)
NET: Registered protocol family 29
can: raw protocol (rev 20090105)
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can: broadcast manager protocol (rev 20090105 t)
Bluetooth: L2CAP ver 2.14
Bluetooth: L2CAP socket layer initialized
Bluetooth: SCO (Voice Link) ver 0.6
Bluetooth: SCO socket layer initialized
Bluetooth: RFCOMM TTY layer initialized
Bluetooth: RFCOMM socket layer initialized
Bluetooth: RFCOMM ver 1.11
Bluetooth: BNEP (Ethernet Emulation) ver 1.3
Bluetooth: BNEP filters: protocol multicast
Bluetooth: HIDP (Human Interface Emulation) ver 1.2
L2TP core driver, V2.0
PPPoL2TP kernel driver, V2.0
VFP support v0.3: implementor 41 architecture 3 part 30 variant c rev 2
regulator_init_complete: incomplete constraints, leaving DA9052_BUCK_PERI on
regulator_init_complete: incomplete constraints, leaving DA9052_BUCK_MEM on
regulator_init_complete: incomplete constraints, leaving DA9052_BUCK_PRO on
regulator_init_complete: incomplete constraints, leaving DA9052_BUCK_CORE on
regulator_init_complete: incomplete constraints, leaving DA9052_LD010 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD08 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD06 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD05 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD04 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD03 on
regulator_init_complete: incomplete constraints, leaving DA9052_LD01 on
da9052-rtc da9052-rtc: setting system clock to 2000-01-16 04:27:37 UTC
(947996857)
Freeing init memory: 196K
mmc1: new high speed SD card at address 0002
mmcblk1: mmc1:0002 00000 1.86 GiB
  mmcblk1: p1 p2 p3 < p5 p6 > p4
Unhandled fault: external abort on non-linefetch (0x1008) at 0xd48f6000
Internal error: : 1008 [#1] PREEMPT
last sysfs file: /sys/devices/virtual/sound/timer/uevent
Modules linked in:
CPU: 0 Not tainted (2.6.35.3-01265-g8f56f17 #6)
PC is at mxcuart_rx_chars+0x38/0x228
LR is at mxcuart_int+0x74/0x20c
pc : [<c02324d8>] lr : [<c0232960>] psr: 20000193
sp : d3029c50 ip : 00000000 fp : 00000000
r10: d3029c5f r9 : 00000004 r8 : d3029c5e
r7 : 00000100 r6 : c09363ec r5 : 00000100 r4 : c08c1be0
r3 : d48f6000 r2 : 0000408d r1 : c08c1be0 r0 : c08c1be0
Flags: nzCv IRQs off FIQs on Mode SVC_32 ISA ARM Segment user
Control: 10c5387d Table: 833dc019 DAC: 00000015
Process init (pid: 1, stack limit = 0xd30282e8)
Stack: (0xd3029c50 to 0xd302a000)
9c40: d3534000 0000408d d33dc000 c00d89bc
9c60: c00420e4 c08c1be0 00000100 c09363ec 0000001f 00000002 d3028000 00000000
9c80: d35d61f8 c0232960 0000001f 00000000 0000408d 00002540 d353fd80 00000000
9ca0: 00000000 c00a0d24 c08d9a8c 0000001f d353fd80 00000003 00000002 c00a2f1c
9cc0: 0000001f 00000000 00000001 c003906c ffffffff d4800000 00000001 c0039a8c
9ce0: 00000000 00000001 00000000 00000000 c08d9a8c d353fd80 0000001f 60000013
9d00: c08d9aac 00000000 00000000 d35d61f8 00000000 d3029d28 c00a2530 c00a1784
9d20: 60000013 ffffffff 0000001f c08d9a8c d353fd80 d353fd80 c08d9a8c 0000001f
9d40: c02328ec c08c1be0 00000000 c00a195c c08c1be0 c0813c44 00000000 00000000
9d60: 0cf00010 d3028000 00000000 c0231888 c0813c44 c08c1be0 00000000 00000000
9d80: 00000000 d31c3800 c08c1be0 d31c3800 c08c1be0 00000000 00000000 0cf00010
9da0: d3028000 00000000 d35d61f8 c022efbc d31c3800 d337d800 d31c3830 d35ca200
9dc0: 0cf00010 c022fca0 00000000 00000000 d35d61f8 c021c020 d337d800 d3148f00
9de0: 00000000 d337d800 d3148f00 00000000 d35ca200 0cf00010 d3028000 00000000
9e00: d35d61f8 c021792c d3028000 00020002 c00dd968 00000000 d3029e44 d35d61f8
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9e20: d35ca200 d3148f08 00000000 00000000 00000000 00000000 00000026 c00dde0c
9e40: d35d61f8 00000000 d35ca200 d3230e00 d2055e00 d35d61f8 c00ddc30 c00d94f8
9e60: d35ca200 00000000 00020002 00000026 00000000 00000000 d2014500 c00d96cc
9e80: d3230780 00000006 d3029ef0 c00e50c8 d3029ef0 d3029f50 d3029ef0 00020002
9ea0: d3028000 00000000 00000000 d3028000 d3029f50 c00e6e98 00000000 d3316000
9ec0: 0002cd09 d3029f48 7fffffff d3029f04 c003a104 00000000 00020003 d3316000
9ee0: 00000000 00000000 d3029f04 ffffffff d3230e00 d2055e00 4cfc94e3 00000007
9f00: d3316005 d3006200 d2001080 00000101 00000000 00000000 d35cc1f8 00000000
9f20: d35cc1f8 00000000 d215b200 c00e6660 00000000 00000001 00000000 00020003
9f40: 00000000 d35ca200 00000000 00020002 d3230e00 d2055e00 00000005 00000000
9f60: 00000005 00020002 00000000 d3316000 d3028000 0000c5ed 00000000 c00d928c
9f80: 00000000 0002ccb0 0001d754 beee9dd0 00000000 00000005 c003a104 d3028000
9fa0: 0000c5ed c0039f80 0001d754 beee9dd0 0002ccb0 00020002 00000000 00000000
9fc0: 0001d754 beee9dd0 00000000 00000005 00000000 0001f500 0000c5ed 00000000
9fe0: 0001d7b0 beee9db0 0000ff25 00008d3c 40000010 0002ccb0 f4787f7c 0bf7bbab
[<c02324d8>] (mxcuart_rx_chars+0x38/0x228) from [<c0232960>]
(mxcuart_int+0x74/0x20c)
[<c0232960>] (mxcuart_int+0x74/0x20c) from [<c00a0d24>]
(handleIRQ_event+0x24/0xe4)
[<c00a0d24>] (handleIRQ_event+0x24/0xe4) from [<c00a2f1c>]
(handle_level_irq+0xdc/0x188)
[<c00a2f1c>] (handle_level_irq+0xdc/0x188) from [<c003906c>]
(asm_do_IRQ+0x6c/0x8c)
[<c003906c>] (asm_do_IRQ+0x6c/0x8c) from [<c0039a8c>] (__irq_svc+0x4c/0xcc)
Exception stack(0xd3029ce0 to 0xd3029d28)
9ce0: 00000000 00000001 00000000 00000000 c08d9a8c d353fd80 0000001f 60000013
9d00: c08d9aac 00000000 00000000 d35d61f8 00000000 d3029d28 c00a2530 c00a1784
9d20: 60000013 ffffffff
[<c0039a8c>] (__irq_svc+0x4c/0xcc) from [<c00a1784>] (__setup_irq+0x254/0x378)
[<c00a1784>] (__setup_irq+0x254/0x378) from [<c00a195c>]
(request_threaded_irq+0xb4/0xf8)
[<c00a195c>] (request_threaded_irq+0xb4/0xf8) from [<c0231888>]
(mxcuart_startup+0x44/0x470)
[<c0231888>] (mxcuart_startup+0x44/0x470) from [<c022efbc>]
(uart_startup+0x80/0x204)
[<c022efbc>] (uart_startup+0x80/0x204) from [<c022fca0>] (uart_open+0x138/0x4a0)
[<c022fca0>] (uart_open+0x138/0x4a0) from [<c021792c>] (tty_open+0x320/0x4c4)
[<c021792c>] (tty_open+0x320/0x4c4) from [<c00dde0c>] (chrdev_open+0x1dc/0x1f8)
[<c00dde0c>] (chrdev_open+0x1dc/0x1f8) from [<c00d94f8>]
(__dentry_open+0x190/0x2a8)
[<c00d94f8>] (__dentry_open+0x190/0x2a8) from [<c00d96cc>]
(nameidata_to_filp+0x3c/0x50)
[<c00d96cc>] (nameidata_to_filp+0x3c/0x50) from [<c00e50c8>]
(do_last+0x500/0x628)
[<c00e50c8>] (do_last+0x500/0x628) from [<c00e6e98>] (do_filp_open+0x184/0x530)
[<c00e6e98>] (do_filp_open+0x184/0x530) from [<c00d928c>]
(do_sys_open+0x58/0x10c)
[<c00d928c>] (do_sys_open+0x58/0x10c) from [<c0039f80>]
(ret_fast_syscall+0x0/0x30)
Code: e28da00f e3a09004 ea000072 e5943004 (e5933000)
---[ end trace a5f454ef6992623b ]---
Kernel panic - not syncing: Fatal exception in interrupt
[<c003e58c>] (unwind_backtrace+0x0/0xf0) from [<c04862f0>] (panic+0x6c/0xe0)
[<c04862f0>] (panic+0x6c/0xe0) from [<c003d420>] (die+0x2b4/0x304)
[<c003d420>] (die+0x2b4/0x304) from [<c0039314>] (do_DataAbort+0x80/0x94)
[<c0039314>] (do_DataAbort+0x80/0x94) from [<c0039a2c>] (__dabt_svc+0x4c/0x60)
Exception stack(0xd3029c08 to 0xd3029c50)
9c00: c08c1be0 c08c1be0 0000408d d48f6000 c08c1be0 00000100
9c20: c09363ec 00000100 d3029c5e 00000004 d3029c5f 00000000 00000000 d3029c50
9c40: c0232960 c02324d8 20000193 ffffffff
[<c0039a2c>] (__dabt_svc+0x4c/0x60) from [<c02324d8>]
(mxcuart_rx_chars+0x38/0x228)
```



```
[<c02324d8>] (mxcuart_rx_chars+0x38/0x228) from [<c0232960>]
(mxcuart_int+0x74/0x20c)
[<c0232960>] (mxcuart_int+0x74/0x20c) from [<c00a0d24>]
(handle_IRQ_event+0x24/0xe4)
[<c00a0d24>] (handle_IRQ_event+0x24/0xe4) from [<c00a2f1c>]
(handle_level_irq+0xdc/0x188)
[<c00a2f1c>] (handle_level_irq+0xdc/0x188) from [<c003906c>]
(asm_do_IRQ+0x6c/0x8c)
[<c003906c>] (asm_do_IRQ+0x6c/0x8c) from [<c0039a8c>] (__irq_svc+0x4c/0xcc)
Exception stack(0xd3029ce0 to 0xd3029d28)
9ce0: 00000000 00000001 00000000 00000000 c08d9a8c d353fd80 0000001f 60000013
9d00: c08d9aac 00000000 00000000 d35d61f8 00000000 d3029d28 c00a2530 c00a1784
9d20: 60000013 ffffffff
[<c0039a8c>] (__irq_svc+0x4c/0xcc) from [<c00a1784>] (__setup_irq+0x254/0x378)
[<c00a1784>] (__setup_irq+0x254/0x378) from [<c00a195c>]
(request_threaded_irq+0xb4/0xf8)
[<c00a195c>] (request_threaded_irq+0xb4/0xf8) from [<c0231888>]
(mxcuart_startup+0x44/0x470)
[<c0231888>] (mxcuart_startup+0x44/0x470) from [<c022efbc>]
(uart_startup+0x80/0x204)
[<c022efbc>] (uart_startup+0x80/0x204) from [<c022fca0>] (uart_open+0x138/0x4a0)
[<c022fca0>] (uart_open+0x138/0x4a0) from [<c021792c>] (tty_open+0x320/0x4c4)
[<c021792c>] (tty_open+0x320/0x4c4) from [<c00dde0c>] (chrdev_open+0x1dc/0x1f8)
[<c00dde0c>] (chrdev_open+0x1dc/0x1f8) from [<c00d94f8>]
(__dentry_open+0x190/0x2a8)
[<c00d94f8>] (__dentry_open+0x190/0x2a8) from [<c00d96cc>]
(nameidata_to_filp+0x3c/0x50)
[<c00d96cc>] (nameidata_to_filp+0x3c/0x50) from [<c00e50c8>]
(do_last+0x500/0x628)
[<c00e50c8>] (do_last+0x500/0x628) from [<c00e6e98>] (do_filp_open+0x184/0x530)
[<c00e6e98>] (do_filp_open+0x184/0x530) from [<c00d928c>]
(do_sys_open+0x58/0x10c)
[<c00d928c>] (do_sys_open+0x58/0x10c) from [<c0039f80>]
(ret_fast_syscall+0x0/0x30)
```