Содержание

TQ-Embedded TQMxE39S 3

TQ-Embedded TQMxE39S

pic:



pn:
: TQMxE39S

formfactor:
: SMARC

manufacturer:
: TQ-Embedded

cpu:
: Intel Atom® x5/x7 E3900 series (“Apollo Lake-I“)
: Pentium® N4200 and Celeron® N3350 processors

ram:
: 8 GB LPDDR4

emmc:
: 64 GB

eeprom:
: 32kbit

temprange:
: -40...+85 °C

edp:
: 1 (or dsi\lvds 2ch)

dp:
: 2 (or 1 hdmi)

hdmi:
: 1 (or dp)

lvd:
: 1 2ch(or dsi\edp)

ethernet:
: 1 (i210)

csi:
: 2

usb2:
: 4 (1 OTG)

usb3:
: 2

uart:
: 4

spi:
: 1

pcie:
: 4 gen 2 (1x4, 2x2, 4x1)

i2:
: 1

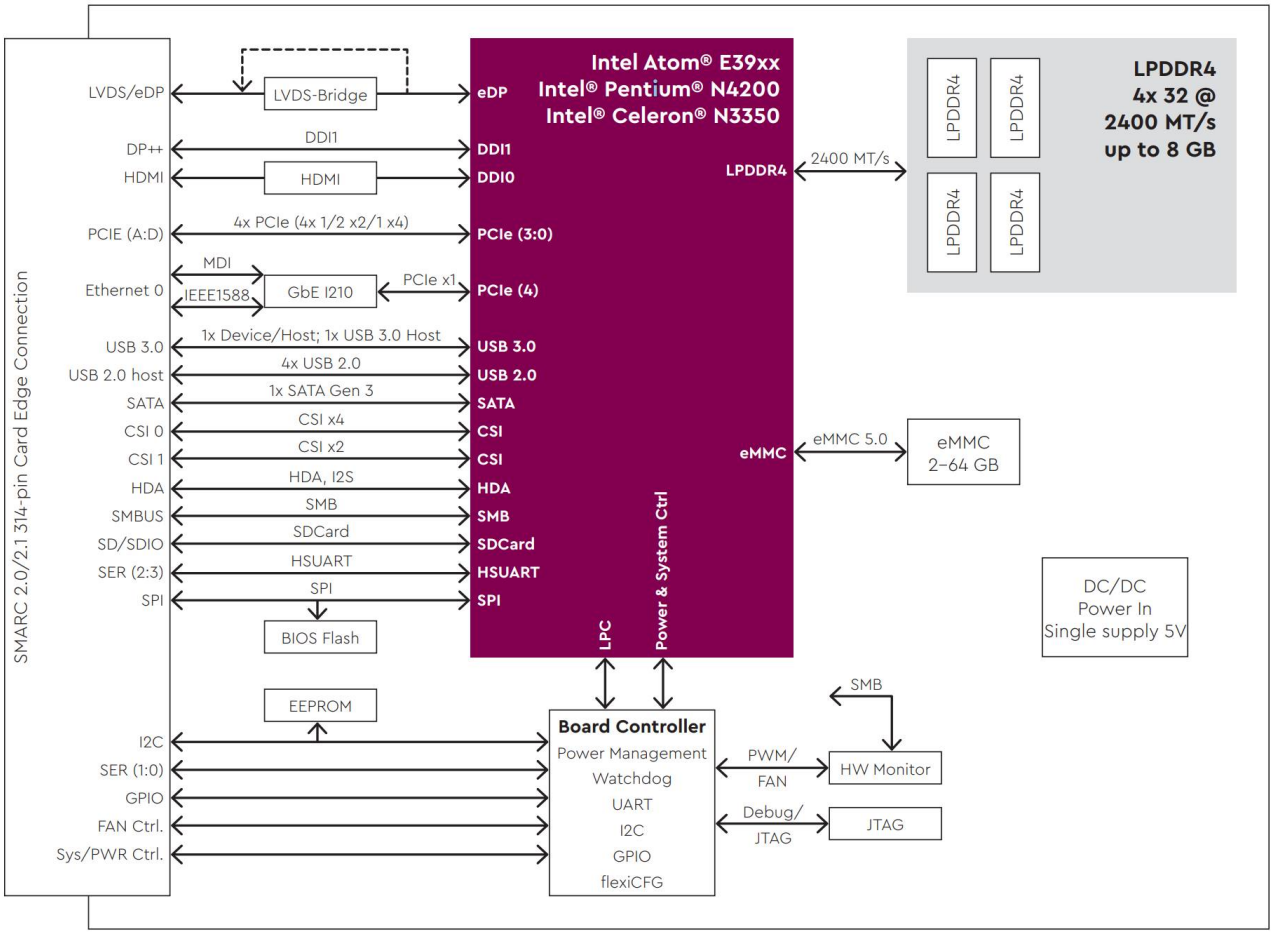
sata:
: 1

sdio:

1
i2c:
1
smbu:
1
gpio:
14
dimension:
82x50
datasheet:
link
struct:

page:
page

BLOCK DIAGRAM TQMXE39S



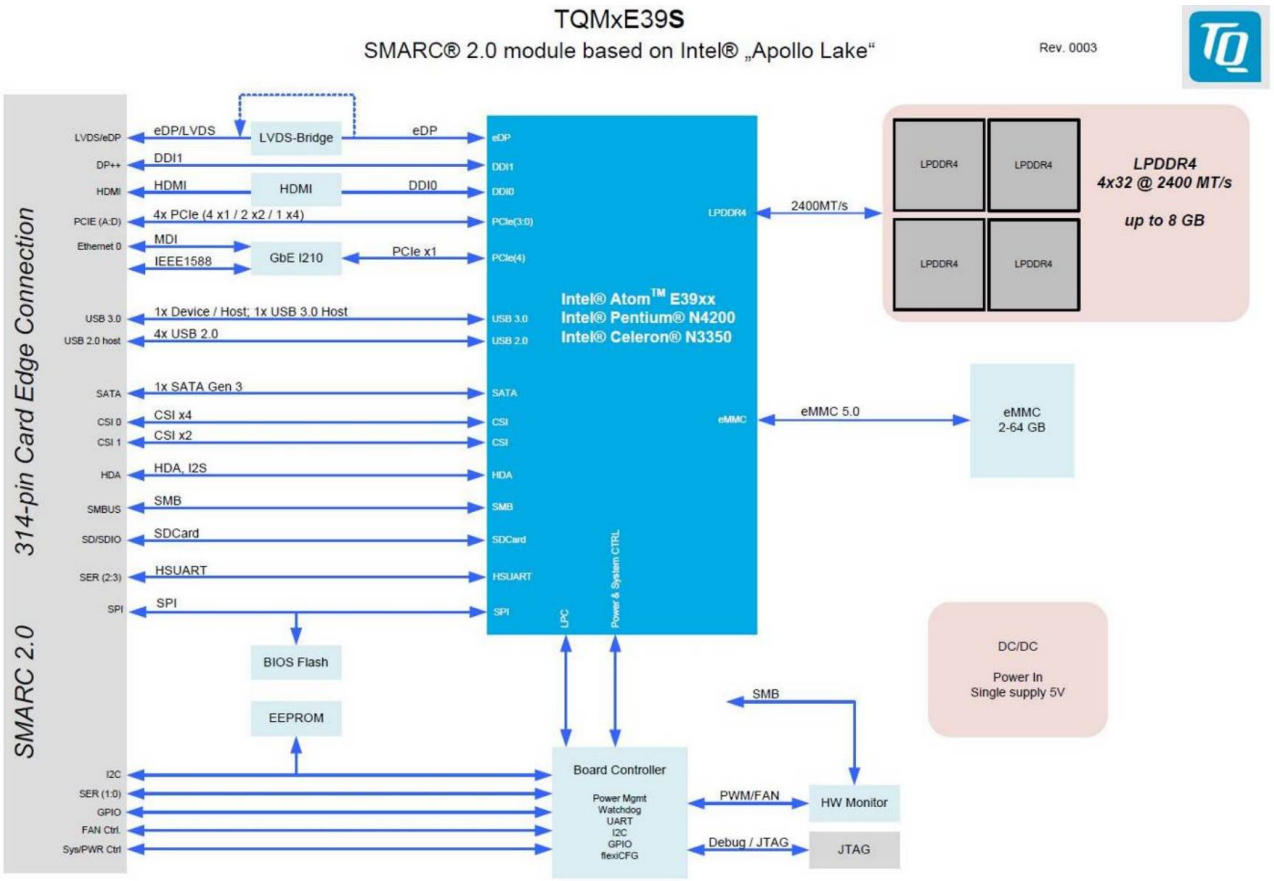


Figure 1: Block Diagram TQMxE39S

TQMxE39S-AA	Intel® Atom® E3950	8 GB LPDDR4	32 GB eMMC	12W	-40...+85°C	LVDS
TQMxE39S-AB	Intel® Atom® E3940	8 GB LPDDR4	32 GB eMMC	9.5W	-40...+85°C	eDP
TQMxE39S-AC	Intel® Atom® E3930	4 GB LPDDR4	8 GB eMMC	6.5W	-40...+85°C	LVDS
TQMxE39S-AD	Intel® Celeron® N3350	4 GB LPDDR4	8 GB eMMC	6W	0...+60°C	LVDS
TQMxE39S-AE	Intel® Pentium® N4200	8 GB LPDDR4	32 GB eMMC	6W	0...+60°C	eDP
TQMxE39S-AF	Intel® Atom™ E3940	8 GB LPDDR4	32 GB eMMC	9.5W	-40...+85°C	LVDS
TQMxE39S-AG	Intel® Atom™ E3950	8 GB LPDDR4	32 GB eMMC	12W	-40...+85°C	eDP