Содержание

Kontron SMARC-sXEL E2 3

Kontron SMARC-sXEL E2

pic:



pn:
: SMARC-sXEL E2

formfactor:
: SMARC

manufacturer:
: Kontron

cpu:
: Intel® Atom® x6000E
: Celeron®
: Pentium®
: Elkhart Lake

emmc:
: 64 GB

ram:
: 16 GB LPDDR4x

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:
: 2

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

usb2:
: 6

usb3:
: 2

can:
: 2

uart:
: 4 (2 full)

spi:
: 1 + 1 espi

pcie:
: 4 gen 3 (1x4, 2x2, 4x1)

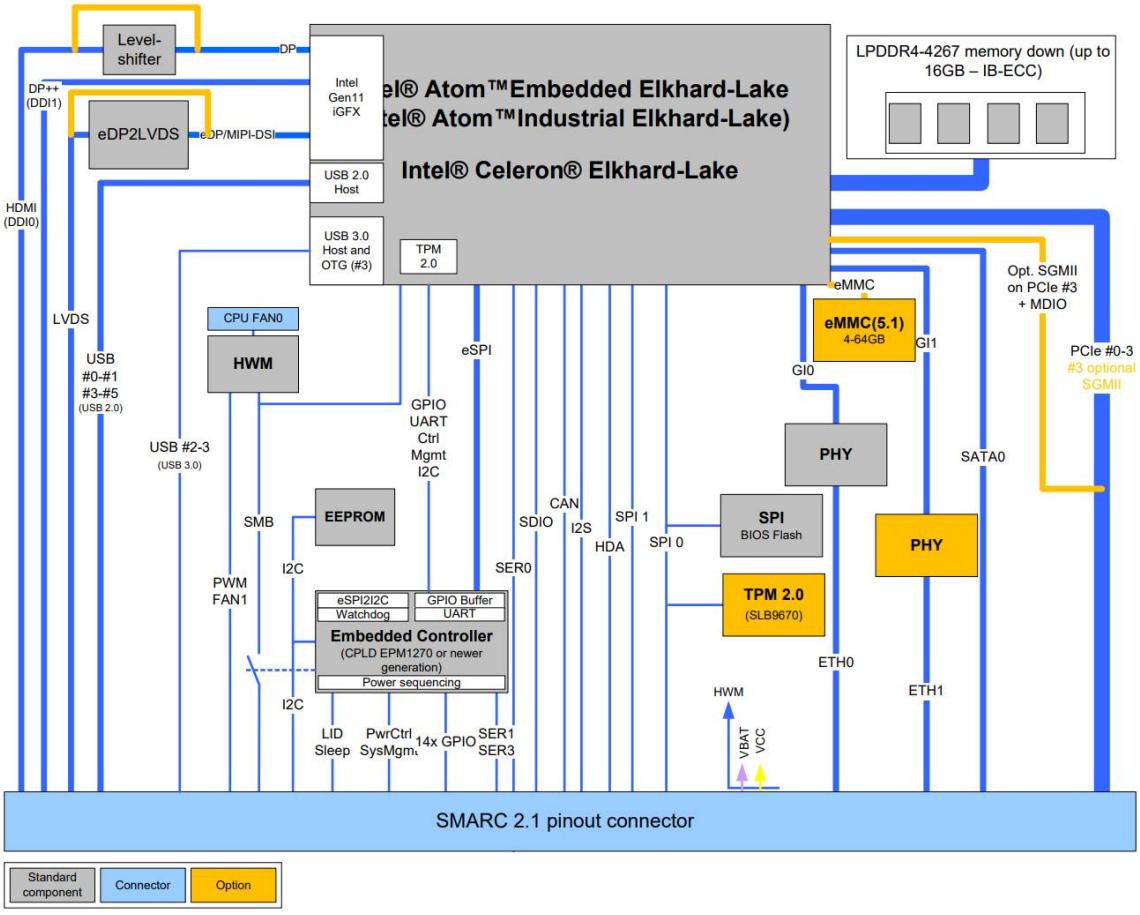
sata:
: 1

sdio:
: 1

bio:
AMI Aptio V
dimension:
82x50
datasheet:
link
struct:

page:
page

BLOCK DIAGRAM



PART NO.	CPU	MEMORY	FLASH	ETH PHY	DISPLAY	SERDES	OP. TEMPERATURE
51016-0432-J2-4	J6426	4 GByte	32 GByte	2x 1 GByte	LVDS, HDMI, DP++	No	0 °C - 60 °C
51016-0416-N1-2	N6211	4 GByte	16 GByte	2x 1 GByte	LVDS, HDMI, DP++	No	0 °C - 60 °C
51017-0416-R1-2	x6212RE	4 GByte	16 GByte	2x 1 GByte	LVDS, HDMI, DP++	No	-40 °C - 85 °C

PART NO.	CPU	MEMORY	FLASH	ETH PHY	DISPLAY	SERDES	OP. TEMPERATURE
51017-0432-R1-4	x6414RE	4 GByte	32 GByte	2x 1 GByte	LVDS, HDMI, DP++	No	-40 °C - 85 °C
51017-0832-R2-4	x6425RE	8 GByte	32 GByte	2x 1 GByte	LVDS, HDMI, DP++	No	-40 °C - 85 °C