Salvator-X schematics Revision History

Date of	Page		Description	Before the changes		Parts information		Diliti		Notes
ssue		Page	Description	REF#	e the changes Part Number	Revise REF#	d or Addition Part Number	REF#	Delete Part Number	Notes
/19	P05: R-CarH3_NEW_POW1	Connection changed	The power voltage supplied to VDDQVA_SD1 and VDDQVA_SD2 on the SiP changed from VLDO_SD1 and VLDO_SD2 to D1.8V because the power	-	-	-	- art Number	-	-	
			supplied to the eMMC is D1.8V. The resistors added so that D1.8V and VLDO_SD1/VLDO_SD 2 can be	_	_	R790,R791	MCR01MZPJ000		_	
	P16: DU ARGB	Components replaced	switched in consideration of cases where SD1 and SD2 on the expansion VREF handling and RSET constant changed according to ADV7123最新デー			D44	AD1580ARTZ			
	F10. DO_ARGB	Components replaced	ターシートRev.D VREF handling: AD1580, 1kΩ added,	-	-	R789	MCR01MZPF1001	-	-	
			Constant changed: 0.1uF -> 1uF	C372	GCM155R71A104KA55	C372	GCM155C71A105KE38	-	-	
			RSET constant changed from 560Ω to 536Ω (sinice the nominal resistance has no 530Ω , the frequency response was taken)	R238	MCR03EZPJ561	R238	MCR03MZPF5360	-	-	
	P19: P19: MIPI CSI-2_VIN	Mounting specification of components changed components changed	R632 changed to "not mounted"	-	-	-	-	-	-	
	P25: POWER	Components replaced	For R-CarM3: A trimmer resistor added so that DDR0_1.1V and DDR1_1.1V will be variable	-	-	VR3,VR4	ST-2TA203	-	-	
			R450 and R454 changed from $15k\Omega$ ro $10k\Omega$	R450,R454 R451,R455	MCR01MZPF1502	R450,R454	MCR01MZPJ103	-	-	
			R451 and R455 changed from $39k\Omega$ ro $15k\Omega$ For the 2nd-cut PMIC: Locations of the output capacitors for the VDD_DVFS	K451,K455	MCR01MZPF3902	R451,R455	MCR01MZPF1502	-	-	
		Connection changed	and VDD power supplies changed. Locations of the current detection amplifier resistors (R417 and R432) for DVFS0.8V and VDD0.8V changed so that more output capacitors are allocated on the SoC.	-	-	-	-	-	-	
2/1	P07: R-CarH3 LPDDR POW	Error corrected	An error in the LQG15HH2N0S02 rated current corrected; 300mA -> 900mA	-	-	L68,L69,L70,L71,L72,L108,L	1 _	-	-	
	P25: POWER	Connection changed	The input to VD25_IN (pin 24 of U72) changed from D3.3V to VSYS so that the		_	- 09	_	_	_	
/15	P05: R-CarH3 NEW POW1	Components replaced	power sequence of VLDO 2.5V can be changed as required. Inductors changed to ferrite beads to improve analog power supply pattern	L3,L4,L5,L6,L8	MLF1608A1R0JTD25	L3,L4,L5,L6,L8	BLM15AX601SZ1D	-	-	
-		,	A 1-uF capacitor added to each power supply of the EtherAVB (VDDQ25_ETH) and SDIH (VDDQVA_SDx)		-	C952,C953,C954,C955,C956		-	-	
/25	P07: R-CarH3 LPDDR POW	Components added	Capacitors added to improve the DDR1.8V power suppy to support both of the	-	-	C957,C958	GRM21BR61E226ME44	-	-	
			R-Car H3 and M3		-	C959,C960,C961,C962	GCM32ER70J476KE19		-	
16 12	P06: R-CarH3_NEW_POW2	Components added	A capacitor added to improve the DVFS0.8V power supply	-	-	C963 C964,C965,C966	GCM21BC71C106KE36 GCM32ER70J476KE19	-	-	
	P25: POWER	Components replaced	Resistance of the current sense part and capacitance changed to improve the	R425	MCR01MZPF6200	R425	MCR01MZPF4700	-	-	
		<u>'</u>	DVFS0.8V power supply $620\Omega \rightarrow 470\Omega$, $1M\Omega \rightarrow 10k\Omega$	R426	MCR01MZPF1004	R426	MCR01MZPF1002	-	-	
/13	P05: R-CarH3 NEW POW1	Components replaced	Locations of the capacitors for the SDHI (VDDQVA_SDx) changed; 0.1uF(C126, C127, C128, C129) moved to the back of U1 and 1uF(C953,	L3,L4,L5,L6,L8	MLF1608A1R0JTD25	L3,L4,L5,L6,L8	BLM15AX601SZ1D	-		
			C954, C955, C956) moved to out of U1. A capacitor for EtherAVB (VDDQ25_ETH) deleted	-	-	-	-	C97	GCM155R71A104KA55	
14	P25: POWER	Components deleted	The capacitance of a capacitor for EtherAVB (VDDQ25_ETH) changed The resistors for initial verification deleted.	C949	GCM155R71E103KA37	C949	GCM155R71A104KA55	- R781.R782.R783.R784	- MCR03EZPJ000	
	. 25.1 01121	- Componente deleted	The patterns for R422, R427, and R441 are left unchanged so that they can be modified.	-		-		R422,R427,R441	MCR01MZPJ000	
15	P07: R-CarH3_LPDDR_POW	Components replaced	The capacitance of capacitors changed to improve the DDR1.1V power supply to support support both of the R-Car H3 and M3 (based on the simulation	C612-C615, C667-C670	GCM155R71A104KA55	C612-C615, C667-C670	GCM155C71A105KE38	-	-	
			Jacoba on the omination	C624-C631, C679-C686	GCM155R71A104KA55	C624-C631, C679-C686	GCM155R71E103KA37	-	-	
				C632-C637, C687-C692 C638-C666, C693-C733	GCM155R71A104KA55 GCM155R71A104KA55	C632-C637, C687-C692 C638-C666, C693-C733	GCM155R71H472KA37 GCM155R71H102KA37	-	-	
40	DAO, LICRO O	Mounting specification of components	USB2.0 ch0,ch1,ch2の実装形態を合わせるため、R185 and R186 changed to	C269,C273	GRM155R61A475MEAA	C269,C273	GCM155C71A105KE38	-	-	
/ IÖ	P12: USB2.0 P22: DEBUG_SCIF/LED/TactSW	changed components changed Connection changed	"mounted". ExPAD(pin29) added to the component library of CP2102 and connected to	-	-	- U42,U44	-	-	-	
20	P03: R-CarH3_DU/LBSC	Component replaced	Type number changed: 5P49V5923A -> 5P49V5923B	U61	5P49V5923A	U61	5P49V5923B	-	-	
22	P03: R-CarH3_DU/LBSC	Component added	A resistor added so that Versaclock5(U61) OUT2 can be input to DU_DOTCLKIN2 of the H3SiP(U1). This is to make analog RGB output software-compatible between R-Carl+3 and M3.	-	-	R792	MCR01MZPJ330	-	-	
	P03: R-CarH3_DU/LBSC P11: Serial ATA	Components replaced Components replaced	The capacitance of capacitors C744 and C745 changed from 27pF to 24pF. The capacitance of capacitors C324 and C325 changed from 16pF to 30pF.	C744,C745 C324,C325	GCM1555C1H270JA16 GCM1555C1H160JA16	C745,C745 C324,C325	GCM1555C1H240JA16 GCM1555C1H300JA16	-	-	
	P02: R-CarH3_SD/QSPI	Pin name changed	TANS deleted from pin H39 of U1	-		-		-	-	
	P03: R-CarH3_DU/LBSC	Pin name changed	TANS deleted from pin G39 of U1 A20 to A25 deleted from the U1 symbol	-	-	-	-	-	-	
	P18: LVDS0 P20: EtherAVB(GbPHY, PHY_CN)	Comment(s) changed Comment(s) changed	A21 deleted from the comment A22 deleted from the comment	-	-	-	-	-	-	
27	P03: R-CarH3_DU/LBSC	Pin name changed	A26 deleted from the F4 pin of U1	-	-	-	-	-	-	
	P06: R-CarH3_NEW_POW2	Pin name changed	MD24 deleted from the M1 pin of U1 The AL6, AM6, and AK6 pins of U1 changed to VSS	-	-	-	-	-	-	
	P08: MODE_SW	Comment(s) changed	MD24 deleted from the comment	- P434	- MCD04M7DE6000	- P434	- MCD01M7DE1004	-	-	
	P25: POWER	Component replaced Component replaced	R434 resistance changed from 620Ω to $1k\Omega$ C545 capacitance changed from 0.047 uF to 0.022 uF	R434 C545	MCR01MZPF6200 GCM155R71E473KA55	R434 C545	MCR01MZPF1001 GCM155R71E223KA55		- -	
/7	P25: POWER	Type no. of a component changed Comment(s) changed	The consumer-grade type number changed to the automobile-grade type DVFS0.8V, VDD0.8V, DDR0 1.8V/DDR1 1.8V	L54	SPM3020T-R15M-LR	L54	SPM3020T-R15M-CA02	-	-	
	P26: POWER2	Page added	The components not related to the BD9571MWV-M circuit configuration moved	-	-	-	-	-	-	
		Mounting specification of components	to the next page The test sockets for current measurement changed to "initially not mounted".	-	-	-	-	J1,J2	82 MMCX-50-0-18/111 OE	
		changed components changed	<u> </u>		-	-	-	R719, R721	MCR01MZPJ121	
				-	-	-	-	C835, C836 R720, R722	GCM155R71H682KA55 MCR01MZPF51R0	
		changed to RTP0RC7795SIPB0012S.						,		
5	P02: R-CarH3_SD/QSPI	Components replaced Component replaced	62Ω added to all the signals of MMC0 22Ω for the MMC0 CLK signal changed to 62Ω	- R9	- MCR01MZPJ220	R795-R804 R9	MCR01MZPJ620 MCR01MZPJ620	-	-	
		Comment(s) changed	MMC0 signals: 50-Ω impedance	-	=	-	-	-	-	
	P03: R-CarH3_DU/LBSC	Component replaced	The crystal resonator X3 changed to 16.6600 MHz	Х3	NX2016SA-16.6666MHz- CHP-CZS-39	Х3	NX2016SA-16.66MHz-CHP- CZS-41	-	-	
		Component replaced	The crystal oscillator X4 changed to 16.6600 MHz	X4	NZ2520SB-16.6666MHz- RNAxxxx	X4	NZ2016SH-16.66MHz- NSC5021A	-	-	
	P04: R-CarH3_USB/HDMI	Connection changed	CSI2-CH3 deleted, so U1 connection signals and comment deleted CSI3 DATAP0(AK4), CSI3 DATAN0(AK3), CSI3 CLKP(AL4),	-	-	-	-	-	-	
		Component replaced	The components connected to U1 deleted due to deletion of CSI2-CH3,	-	-	-	-	R65	MCR01MZPF4021	
		Connection changed	R65(U1.AR6)							
			SATA deleted, so U1 connection signals and comment deleted SATA CLK P(AW20), SATA CLK M(AW21), SATA RX P(AW23),	-	-	-	-	-	-	

	Components replaced	The components connected to U1 deleted due to deletion of SATA	_	-	-	-	R58	MCR01MZPF2000	
		R58(U1.AN27), C33(U1.AW24), C35(U1.AW25)	-	-	-	-	C33, C35	GCM155R71E103KA37	
	Connection changed	USB3.0-CH1 deleted, so U1 connection signals deleted and comment changed USB3S1_CLK_P(AT36), USB3S1_CLK_M(AU36), USB3S1_RX_P(AV39),	-	-	-	-	-	-	
	Components replaced	USB3S1_RX_M(AU39), USB3S1_TX_P(AW36), USB3S1_TX_M(AW37) The following components connected to U1 deleted due to deletion of USB3.0-					C20, C21	GCM155R71A104KA55	
	Connection changed	CH1, UT connection signals changed due to deletion of USB3.U-CH1	-	-	-	-	C30, C31	GCW 155R7 1A 104RA55	
	Component replaced	USB23_DP(AU34), USB23_DM(AT34), USB23_ID(AP34), USB23_VRUS(AP33) SW31 added to branch the GP6 30 and GP6 31 signals to CSI-VIN and	-	-	-	-	-	-	
		USB2.0-CH3	-	-	SW31	CHS-08A	-	-	
05: R-CarH3_NEW_POW1	Connection changed	The following deleted functions are disconnected from the power supply pins. The components left changed because they are to be used for other pins. CSI2-CH3: VDDQ18_CSI3, VDDQ09_CSI3 USB3.0-CH1: VDD09_USB31	-	-	-	-	-	-	
	Components replaced	SATA and USB3.0-CH1 connection to the power supply pins and components	_	_	_	_	C38, C94, C800	GCM155R71A104KA55	
		deleted	-	-	-	-	C52	GCM155R71E103KA37	
			-	-	-	-	C50 L3	GCM188C71A225KE02 BLM15AX601SZ1D	
08: MODE SW	Connection changed	MD28 connected to 8-pin SW12 and R117 deleted CP18 deleted	-	-	-	-	R117 CP18	MCR03EZPJ103	
0: PCI-E ch0/ch1	Component replaced Signal name changed	The signal names of SATA and PCIE1 changed because they are to be	-	-	-	-	CP18	-	
		rine signal names of SATA and POLET changed because they are to be connected to the switching circuit. IO_EX7 -> PCIE1_SATA_SEL_18 PCIE1_RX_M -> PCIE1_CN_RX_M PCIE1_RX_P -> PCIE1_CN_RX_P PCIE1_TX_M -> PCIE1_CN_TX_M PCIE1_TX_P -> PCIE1_CN_TX_P	-				-	-	
1: Serial ATA	Connection changed	U11 connection signals deleted due to deletion of SATA and USB3-CH1 SATA_CLK_P(15pin), SATA_CLK_M(16pin), USB3S1_CLK_P(44pin), USB3S1_CLK_M(45pin)	-	-	-	-	-	-	
	Components replaced	The pull-up resistors for vOE0# and vOE7# of U11 added, and comment changed due to deletion of SATA and USB3-CH1, R793-R794(10k)	-	-	R793, R794	MCR01MZPJ103	-	-	
	Components replaced	SATA/PCIE1 switching circuit added, and the control signal changed based on	-	-	U97	MAX4888BETI+	-	-	
		The control signal connected to the I/O expander, 1.8V -> 3.3V switching circuit	-	-	U98	HD74LV1GT08A	_	-	
		added	-	-	C972-C977	GCM155R71A104KA55	-	-	
13: USB3.0	Connection changed	The signal names of USB2.0 changed due to deletion of USB3.0-CH1 USB23 DP, USB23 DM, USB23 ID, USB23 VBUS	-	-	-	-	-	-	
	Component replaced	The USB3-CH1 related components deleted, changed, and comment changed due to deletion of USB3-CH1	-	-	-	-	L66	TCE1608G-900-4P	
		L66 deleted, CN12 changed to CN37 (USB2.0), L67 circuit diagram flipped vertically, no changes in connections	CN12	CMS1821-010010	CN37	ZX62D-AB-5P8	-	-	
	Components replaced	BD82065FVJ and other peripheral components added to support USB2.0-CH3	-	-	U96	BD82065FVJ	-	-	
		Note that 0- Ω resistors are not mounted because the OVC and PWEN signals are use in HDMI-IN.	-	-	C971 R805	GCM155R71A104KA55	-	-	
			-	-	R806, R807	MCR01MZPJ000	-	-	
17: HDMI OUT	Components replaced	An HDMI1.4 device is replaced with three HDMI2.0 devices, for each HDMI	- U27, U28	- TPD12S016PWR	R808 U87, U88, U90, U91	MCR01MZPJ202 TPD4E05U06DQAR	-	-	
7.11bMI_001		The utility pin connected to NC pin	027, 020	TI B 1200 TOI WIX	U89, U92	TPD5S116YFFR	-	-	
	Components replaced	The HDMI companion chip and peripheral components changed, 10kΩ x2 (R245, R250) deleted 4.7uF x4 (C377,C378,C380,C381) -> 0.1uF x4 (C967-C970)	- C377, C378, C380, C381	- GCM21BC71E475KE36	- C967-C970	- GCM155R71A104KA55	R245, R250	MCR01MZPJ103	
19: MIPI CSI-2_VIN	Components replaced	The following components are replaced with the ones in use to support	D22, D23, D25	RCLAMP0524PATCT	U93-U95	TPD4E05U06DQAR	_	_	
1: Audio(AK4613VQ)	Components replaced	HDMI2.0: D22, D23, D25 -> U93-U95 A single two-stage audio connector is replaced with two one-stage connectors		HSJ1003-016020	CN39, CN40	SJ-3523-SMT	[]_	-	
3: EXIO_CN/MIPI_SW	Connection changed	The signals connected to CN29 deleted because CSI2-CH3 deleted CSI3 CLKN(33pin), CSI3 CLKP(35pin), CSI3 DATAN0(39pin),	-	-	-	-	-	-	
	Signal name changed	CSI3 DATAP0(41pin) Name of the two interrupt signals from CSI-VIN changed because they are to be branched via SW							
		GP6_30/INTRQ1 -> GP6_30 (CN29.58pin) GP6_31/INTRQ2 -> GP6_31 (CN29.60pin) CP68 to CP71 added to the unused pins of CN29		-	-				
24: POWER 5V/VSYS	Components replaced Component replaced	CP68 to CP71 added to the unused pins of CN29 Fan connectors for PMIC added. Comment corrected.	-	-	CP68-CP71 CN38	22-04-1031	-	-	
٥٠٠٤ ٥٧/٧٥١٥	Components replaced	R450 and R454 among 10kΩ resistors only had 5% indication; the value	R450,R454	MCR01MZPJ103	-	-	-	-	
02-P07	Component replaced	H3 symbol corrected in accord with WS2.0 (R- CarH3SiP pin list(rev1.52)(B).xls)	U1	H3SiP_BGA_r0096_005	U1	R- CarH3SiP pin list(rev1.52)(B)	-	-	
02: R-CarH3_SD/QSPI	Comment(s) changed	Comment added to the EtherAVB signal: impedance 50Ω	-	-	-	- piii iist(16V1.02)(D)	-	-	
20: EtherAVB(GbPHY, PHY CN) D2: R-CarH3 SD/QSPI	Components replaced	The resistors (R724 to R729) for the TX signal of the EtherAVB changed to	R724-R729	MCR01MZPF1000	R724-R729	MCR01MZPF24R9	-	-	
04: R-CarH3 USB/HDMI 10: PCI-E ch0/ch1	Component replaced Connection changed	SW31 changed from CHS-08A to CHS-06A The power supply for SN74AVC4T245 (U7 ,U8, and U9) changed from D1.8V	SW31	CHS-08A	SW31	CHS-06A	-	-	
20: EtherAVB(GbPHY, PHY_CN)	Connection changed	to D1.8V PERI EN of U37 should be controlled by the PRESETn signal because D3.3V1.2V	-	-	-	-	-	-	
24: POWER 5V/VSYS	Components deleted	sequence corrected Layout patterns for resistors (not mounted) deleted	-	-	-	-	R466-R469	MCR01MZPJ000	1
	Connection changed	Two figures of a single point connection on the upper right changed to the	-	-	GND1,GND2	GND	-	-	
25: POWER PMIC	Components replaced	Eagle specification Capacitors near PMIC changed from 100uF to 47uF	C533-C537,C543,C942-C945	GRT32ER60.I107MF13	C533-C537,C543,C942-C945		-	-	
S OWERT MIO	Connection changed	Two figures of a single point connection on the upper right changed to the Eagle specification	-	-	GND3,GND4	GND	-	-	
26: POWER PMIC2	Components deleted	Layout patterns for resistors (not mounted) deleted	-	-	-	-	R470,R471,R716,R717	MCR03EZPJ000	
	Components deleted	Power supply measurement circuit deleted	-	-	-	-	J1,J2 TH6,TH7	82 MMCX-50-0-18/111 OE 0.6-1.1-1.2	
			-	-	-	-	R719,R721	MCR01MZPJ121	
			-	-	-	-	C835,C836 R720,R722	GCM155R71H682KA55 MCR01MZPF51R0	
24: POWER 5V/VSYS	Components moved	Capacitors for EMI and GND through holes moved from Page 24 to 26	C901-C912	GCM155R71H104KE02	_				
24: POWER 5V/VSYS 26: POWER PMIC2			TH3,TH4	0.6-1.1-1.2	-	-	-	-	
02: R-CarH3_SD/QSPI	Comment(s) changed	Comment added to the SDHI0 and SDHI3 signals: Impedance 50Ω	<u> </u>			-	-	_	
14: SDHI0/SDHI3 25: POWER PMIC			F .						

15 P03: R-CarH3 DU/LBSC	Connection changed	The perior supply for versuoseske shanged from 56.00 and 51.00 to 51.00	1						T
100.14 Gaing_B0/EBG0	Commodati shangca	only. I2C is 5-V tolerant so D1.8V power supply creates no problems.	-	-	-	-	-	-	
	Comment(s) changed	"I2C is 3.3V signal." -> "I2C inputs are 5V tolerant."	-		-	-	-	-	
	Components replaced	D3.3V side input circuit components deleted following the change of the power	_	_	-	_	L74	BLM15BB121SH1D	
		suuply above. L74. C746				_	C746	GCM21BC71C106KE36	
P10: PCI-E ch0/ch1	Connection changed	The power supply of SN74AVC4T245 (U7, U8, and U9) changed from					0140	COMETBOTTOTOCKEOU	
		D1.8V_PERI to D1.8V because PMIC changed from D3.3V to D1.8V and PERI	-	-	-	-	-	-	
P15: MMC0	Comment(s) changed	is not required for the sequence. Comment under U22A (eMMC) changed	-		-	-	-	-	
P19: MIPI CSI-2_VIN	Connection changed	The power supply source of ADV7482W changed from D1.8V_PERI to D1.8V							
		because PMIC changed from D3.3V to D1.8V and PERI is not required for the sequence.	-	-	-	-	-	-	
	Components replaced	The generation circuit deleted because the circuit using D1.8V_PERI deleted	-	-	-	-	U80	MIC94091YC6	
		U80, C898, C899	-	-	-	-	C898	GCM155R71A104KA55	
P25: POWER PMIC	Symbol changed	Pin names and comments on BD9571MWV-M(U72) corrected	-	-	-	-	C899	GCM155C71A105KE38	
	-,g-1	Comment on PD for pins 70 and 71 deleted (because pull-down resistors will be							
		deleted due to update of PMIC) Pin 51 name changed to POFFB/MRB	-	-	-	-	-	-	
		Pin 65 name changed to BKUP REQ							
DOG DOWED DATES		Comment on pins 53 and 54 corrected					0004 0000	0014455074440414455	
P26: POWER PMIC2 P25: POWER PMIC	Components replaced Components moved	EMI capacitors (C924 to C926) deleted because D1.8V_PERI deleted Current measurement circuit for U58 and U59 moved from page 25 to 26.	-	-	-	-	C924-C926	GCM155R71A104KA55	
P26: POWER PMIC2	Componente moved	The new page number added in each page.	-	-	-	-	-	-	
P25: POWER PMIC	Error corrected	An error in tolerance existing at the layout pattern for 0.01uF (not mounted). The type number and others have no errors. 16V->25V	-	-	=	-	-	<u>-</u>	
5 P01 to P26	Comment(s) changed	The cover title and circuit diagram name on the lower right of each page			_				
	, , ,	changed. (For common use of the board with H3 and M3)							
		Before correction: R-CarH3-SiP System Evaluation Board	<u> </u>	-	-	-	-	-	
		After correction: R-CarH3-SiP/M3-SiP System Evaluation Board							
P2 to P7	Comment(s) changed	Comment on the difference of the symbol between H3 and M3 added to the symbolb U1.	L			_			
121017		(For common use of the board with H3 and M3)							
P04: R-CarH3_USB/HDMI	Comment(s) changed	Comment on the difference in resistance value between H3 and M3 added to							
		CSIn_REXT. The list at the lower left of the page also changed. (For common use of the board with H3 and M3)	<u></u>	-	-	-	-	-	
7 P25: POWER PMIC	Components replaced	C934 and C936 changed to the majority capacitors on the board			+				
		GCM188R71C104KA37(0.1uF 1608 16V) -> GCM155R71A104KA55(0.1uF	C934,C936	GCM188R71C104KA37	C934,C936	GCM155R71A104KA55	-	-	
	Components replaced	1005 10V) An error in the tolerance corrected (C559, C563, C568, and C572): 16V→25V	-	-	-	-	-	-	
P06: R-CarH3_NEW_POW2	Component replaced	Capacitance of the capacitor for VDD power changed	C877	GCM188C71A225KE02	C877	CGA3E1X5R0J475KT	-	•	
	Components replaced	Capacitance of capacitors for DVFS power changed as follows. 0.22uF->0.01uF	- C195,C198,C865,C866	- GCM155R71C224KE02	- C195,C198,C865,C866	- GCM155R71E103KA37	-	-	
		0.022uF->0.01uF	C211,C213,C214	GCM155R71E223KA55	C211,C213,C214	GCM155R71E103KA37	-	-	
		0.047uF->0.01uF	C216 C867,C868	GCM155R71E473KA55	C216	GCM155R71E103KA37	-	-	
		0.047uF->0.015uF 0.047uF->0.022uF	C867,C868 C200.C870	GCM155C71A474KE36 GCM155R71E473KA55	C867,C868 C200,C870	GCM155R71E153KA55 GCM155R71E223KA55	-	-	
		0.01uF->0.022uF	C206,C210	GCM155R71E103KA37	C206,C210	GCM155R71E223KA55	-	-	
		0.047uF->0.033uF	C201	GCM155R71E473KA55	C201	GCM155R71E333KA55	-	-	
		0.22uF->0.033uF 0.01uF->0.047uF	C864 C203,C209	GCM155R71C224KE02 GCM155R71E103KA37	C864 C203,C209	GCM155R71E333KA55 GCM155R71E473KA55	-	-	
		0.01uF->0.068uF	C205	GCM155R71E103KA37	C205	GCM155R71C683KA55	-	<u>-</u>	
		0.01uF->0.1uF 0.47uF->0.1uF	C204 C869	GCM155R71E103KA37 GCM155C71A474KE36	C204 C869	GCM155R71A104KA55 GCM155R71A104KA55	-	-	
		0.047uF->0.22uF	C871	GCM155R71E473KA55	C871	GCM155R71C224KE02	-	-	
		0.022uF->0.47uF	C872,C873	GCM155R71E223KA55	C872,C873	GCM155C71A474KE36	-	-	
	Mounting specification of components changed components changed	C966 47uF mounted	-	-	-	-	-	-	
P02: R-CarH3_SD/QSPI	Components replaced	eMMC dumping resistors changed: 62Ω -> 33Ω	R9,R795-R804	MCR01MZPJ620	R9,R795-R804	MCR01MZPJ330	-	•	
	Comment(s) changed	Line impedance changed from 50ohm to "within 75ohm" Comment added: The distance between SiP and resistor(s) should be within							
		20mm.		-	-	-	-	-	
P01 to P26	Comment(s) changed	The cover title and circuit diagram name on the lower right of each page							
		changed Before correction: Salvator-X	-	-	-	-	-	=	
P03: R-CarH3_DU/LBSC	Connection changed	An error in the pull-up power supply of the Versaclock5 SD/OE pin corrected.			+				
_	2	from D3.3V to D1.8V)	-	- NX2016SA-16.66MHz-CHP-		NV2046CA 46 CAMUL CUID	•	-	
	Components replaced	Type numbers of crystal oscillator/resonator changed (16.66MHz -> 16.64MHz)	Х3	NX2016SA-16.66MHz-CHP- CZS-41	X3	NX2016SA-16.64MHz-CHP- CZS-41	-	-	
			X4	NZ2016SH-16.64MHz-	X4	NZ2016SH-16.64MHz-	_	-	
	Components replaced	The type number of coils (L53 and L54) for DVFS and VDD changed. Ref		RNA5013C	1	RNA5013C			<u> </u>
P25: POWER	Соттроненть геріасец	numbers also changed. (L110, L111)	L53	DDFCUL0630-H-R12M	L110	SPM6545VT-R15M-D	-	-	
			L54	SPM3020T-R15M-CA02	L111	SPM5030VT-R15M-D	-	-	
	Comment(s) changed	Target: DVFS0.8V, VDD0.8V TYP changed from 0.8125V to 0.82V, 0.600V-1.100V deleted.	-	-	-	-	-	-	
		Target: D1.8V, D3.3V, VLDO2.5V	_			_			
	Comment(=) =h=====	Comment on PMIC voltage range deleted An error in dimension of connectors in the location figure corrected from 1.2mm		-		-		<u> </u>	
P21: Audio(AK4613VQ)	Comment(s) changed	to 12mm. A vertical line deleted	-	-	-	-	-	-	
1 P25: POWER	Components replaced	The type number of coils (L55 to L58) for DDR0_1.1V, DDR1_1.1V, D1.8V, and	L55, L56	DFE201612PD-R24M	L55, L56	TFM201610ALMAR24MTAA	_	-	
		D3.3V changed. Ref numbers remain unchanged.	L57, L58	DFE201612PD-R33M	L57, L58	TFM201610ALMAR33MTAA	-		
7 P11: Serial ATA	Connection changed	TX/RX connection of U97(PCIE signal SW) swapped in accord with the PCB	-	-	-	-	-	-	
P03: R-CarH3_DU/LBSC	Component replaced	The type number of a crystal resonator (X3, not mounted) changed	X3	NX2016SA-16.64MHz-CHP-	X3	NX2016SA-16.64MHz-CHP-	-	-	
A II	Symbol modified	The attribute of the NC pins (symbol U1) changed from "Power" to "Passive"		CZS-41		CZS-53			
All pages		because all NC pins are not connected.	-	-	-	-	-	-	
P03: R-CarH3_DU/LBSC	Component replaced	U61 changed from Versaclock5 to Versaclock6. Changed from two outputs to four outputs.	U61	5P49V5923B	U61	5P49V6901A	-	-	
	Connection changed	Two capacitors added to the power circuit.	-		C978,C979	GCM155R71A104KA55			<u> </u>
	Connection changed	The layout pattern for R792 (not mounted) deleted, connection not in use	-	-	-	-	R792	MCR01MZPJ330	
	Comment(s) changed	between U61.17pin and DU_DOTCLKIN2_18 deleted. Comment added to U1: "PRESET#: Internal pull-down. (100k typ.)"	_			_	-	-	
	pominongs/ manged	- Common added to O1. 1 (LOC 1# . Internal pair-down. (100κ typ.)	1		+				1
	Components replaced	Chacitance of the canacitors for VDD and DVES changed according to the							
All pages	Components replaced	Cpacitance of the capacitors for VDD and DVFS changed according to the result of the PI simulation.	-	-	-	-	-	<u>=</u>	
All pages	Components replaced		-	-	-	-	-	-	
All pages	Components replaced	result of the PI simulation.	- C171,C172 C198	- GCM155R71H472KA37 GCM155R71E103KA37	- C171,C172 C198	- GCM155R71H103KA55 GCM155R71H104KE02	-	-	

		0.047uF -> 0.01uF	C203,C209	GCM155R71E473KA55	C203,C209	GCM155R71H103KA55	-	-	T
		0.068uF -> 0.047uF		GCM155R71C683KA55	C205	GCM155R71H473KE02	-	-	
		0.022uF -> 0.068uF		GCM155R71E223KA55		GCM155R71H683KE02	-	-	
		0.022uF -> 0.01uF 0.01uF -> 0.015uF	C211,C215,C865	GCM155R71E223KA55 GCM155R71E103KA37	C210 C211,C215,C865	GCM155R71H103KA55 GCM155R71H153KA55	-	_	+
		0.01uF -> 0.022uF		GCM155R71E103KA37		GCM155R71H223KA55	-	-	
		0.01uF -> 0.22uF		GCM155R71E103KA37		GCM155R71C224KE02	-	-	
		0.01uF -> 0.047uF		GCM155R71E103KA37		GCM155R71H473KE02 GCM155R71H103KA55	-	-	
		0.015uF -> 0.01uF 0.1uF -> 0.01uF		GCM155R71E153KA55 GCM155R71A104KA55		GCM155R71H103KA55	-	_	·
		0.22uF -> 0.01uF		GCM155R71C224KE02		GCM155R71H103KA55	-	-	1
		0.01uF -> 0.01uF* (not mounted)	C880,C882,C885,C886	GCM155R71E103KA37	C880,C882,C885,C886	GCM155R71H103KA55	-	-	
	Components replaced	Capacitors for VDD and DVFS changed to the ones used in the PI simulation R-CarH3 ES2 Sipコア電源インピーダンス最終結果 161110.xlsx	-	-	-	-	-	-	
		R-Carn3_ES2_SIPコア电源インE一タン人販約和来_101110.XISX	C173,C174,C175,C177,C180,		C173,C174,C175,C177,C180,				+
		0.01uF	C195,C866,C883	GCM155R71E103KA37	C195,C866,C883	GCM155R71H103KA55	-	-	
		0.015uF	C868	GCM155R71E153KA55		GCM155R71H153KA55	-	-	
		0.022uF	C167,C200,C870,C888,C890, C891,C892	GCM155R71E223KA55	C167,C200,C870,C888,C890, C891,C892	GCM155R71H223KA55	-	-	
		0.033uF	0001,0002	GCM155R71E333KA55		GCM155R71C333KA37	-	-	
		0.047uF		GCM155R71E473KA55	C162,C884,C889,C893	GCM155R71H473KE02	-	-	
		0.1uF 2.2uF		GCM155R71A104KA55 GCM188C71A225KE02		GCM155R71H104KE02 GCM188R70J225KE22	-	-	
		2.2uF	C534,C535,C536,C537,C543,	GCW100C/1AZZ3NEUZ	C534,C535,C536,C537,C543,	GCW 100K / UJZZ3KEZZ	-	-	+
		47uF	C546,C547,C548,C549,C550,	GCM32ER70J476KE19	C546,C547,C548,C549,C550,	GCM32ER70J476ME19			
		47 U	C900,C942,C943,C944,C945,	GCM32LIV/004/0KL19	C900,C942,C943,C944,C945,	GCW32LIV/034/0WL19			
		47uF* (not mounted)	C964,C965,C966 C946	GCM32ER70J476KE19	C964,C965,C966 C946	GCM32ER70J476ME19	_		+
	Components replaced	Capacitors not in the list changed to the ones used in the PI simulation	0040	COMOZETT GO T GIVE TO	0040	COMOZETTIONATIONETO			
		R-CarH3 ES2 Sipコア電源インピーダンス最終結果 161110.xlsx	-	-	-	-	-	-	
		0.01uF* (not mounted) 0.022uF	C559,C563,C568,C572 C545	GCM155R71E103KA37 GCM155R71E223KA55	C559,C563,C568,C572 C545	GCM155R71H103KA55 GCM155R71H223KA55	-	-	+
		0.047uF		GCM155R71E223KA55 GCM155R71E473KA55		GCM155R71H223KA55 GCM155R71H473KE02	-	-	+
		0.1uF* (not mounted)	C558,C562,C932,C933	GCM155R71A104KA55	C558,C562,C932,C933	GCM155R71H104KE02	-	-	
			C533,C560,C564,C573,C837,		C533,C560,C564,C573,C837,				
		47uF	C838,C839,C840,C841,C842, C843,C844,C928,C959,C960,	GCM32ER70J476KE19	C838,C839,C840,C841,C842, C843,C844,C928,C959,C960.	GCM32ER70J476ME19	-	-	
		1	C961,C962		C961,C962			<u> </u>	
11/22 P06: R-CarH3 NEW POW2	Comment(s) changed	The layout pattern for the capacitors framed with dotted lines, and "Do not stuff"	-	-	-	-	-	-	
	Components replaced	added to it. The capacitance of capacitors C171 and C172 (not mounted) changed from							
	Components replaced	0.01uF to 4700pF. Remain not mounted.	C171,C172	GCM155R71H103KA55	C171,C172	GCM155R71H472KA37	-	-	
11/25 P06: R-CarH3 NEW POW2	Mounting specification of components	The following six VDD power cacacitors mounted.	C171,C172	GCM155R71H472KA37					
11/25 F00. IX-Call 15_INEW_F0W2	changed					•			
	Components replaced	C171, C172(4700pF)/C880, C882, C885, C886(0.01uF) The capacitance of the SDx power output capacitor changed from 1uF to 10uF.		GCM155R71E103KA37	-	-	-	-	_
12/7 P25: POWER	Components replaced	Note that the dimension is larger.	C579,C580,C581,C582	GCM155C71A105KE38	C579,C580,C581,C582	GCM21BC71C106KE36	-	-	
	Mounting specification of components	R768 not mounted, R770 mounted	_	_	_	-	_	_	
	changed	A 0-Ω resistor (1005) added to V5AIN of PMIC			R810	MCR01MZPJ000			
	Component added Components added	SBD added to the location between SW_DVFS and PGND_DVFS, and	-	-			-	-	+
		between SW VD09 and PGND VD09. (Not mounted)	-	-	D45,D46	RSX501L-20	-	-	
12/13 P21: Audio(AK4613VQ)	Comment(s) changed	A figure indicating the connector locations changed. "Left AOUT" "Right MIC"	_	-	-	-	_	-	
P15: MMC0	Comment(s) changed	=> "Left MIC" "Right AOUT" The size of R616 (1608) made visible.		_			_		_
P19: MIPI CSI-2 VIN	Components replaced		NR14, NR15	MNR14E0APJ473	R811-R818	-	-	-	
	·	47-k network resistors changed from size 1608 to 1005 for easier wiring of eMMC and unification of the size.	R223, R224, R236, R263	MCR03EZPJ473	R819-R821, R824	MCR01MZPJ473	-	-	
12/16 P26: POWER PMIC2	O man an anti- a dila d		R262, R624 (非実装)	MCR03EZPJ473	R822, R823 (非実装) EH1-EH8	HOLE E 4.0 6.0 8.0	-	-	
2017	Components added Components replaced	Eight screw holes added to the circuit diagram The capacitance of the following capacitors changed from 47uF to 100uF:	C533,C534,C535,C536,C537, C543,C942,C943,C944,C945	<u>-</u>	C533 C534 C535 C536 C537		-	-	+
1/19 P25: POWER	Components replaced	C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945	C543,C942,C943,C944,C945	GCM32ER70J476ME19	C543,C942,C943,C944,C945	GRT32ER60J107ME13	-	-	
		R426 changed from 10k to 240		MCR01MZPF1002	R426	MCR01MZPF2400	-	-	
		R436 changed from 160 to 240 The capacitance of the capacitor for SDx power output changed from 10uF to		MCR01MZPF1600 GCM21BC71C106KE36		MCR01MZPF2400			
2/14 P01: TITLE	Components added		IC5/9.C580.C581.C582		IC579.C580.C581.C582	GCM219R71C105KA37	-	-	+
		Comment added: This Schematics is common by R-CarH3 and R-CarM3.	-	-	C579,C580,C581,C582	GCM219R71C105KA37 -	-	-	
P06: R-CarH3_NEW_POW2	Mounting specification of components	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted	-	- GCM32ER70J476ME19	- - -	GCM219R/1C105KA3/ - -	- - -	-	
2.01 4/24 P04: R-CarH3_USB/HDMI	Mounting specification of components Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31	-	-	- - -		-	-	
	Mounting specification of components Comment(s) changed Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28	-	-	- - - - -		- - - -	- - - - -	
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3_SD/QSPI P21: Audio(AK4613VQ)	Mounting specification of components Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31	-	-	C579,C580,C581,C582 	GCM219R/1C105KA3/ - - - - -	-	- - - - -	
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129	- C966	- GCM32ER70J476ME19 - - - -	-	- - - - -	-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3_SD/QSPI P21: Audio(AK4613VQ)	Mounting specification of components Comment(s) changed Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (C966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945	- C966 	-	C579,C580,C581,C582 	GCM219R71C105KA37 GCM32ER70J476ME19	-	- - - - - -	
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945) R426 changed from 240 to 10k and not mounted	C966	- GCM32ER70J476ME19 	- - - - - - - - - - - - - - - - - - -	- - - - -	- - - - - - - -	-	
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted	- C966 	- GCM32ER70J476ME19 	- - - - - - - - C533,C534,C535,C536,C537, C543,C942,C943,C944,C945	- - - - - - - GCM32ER70J476ME19	-	-	
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R436 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted	- C966	- GCM32ER70J476ME19 		- - - - -			
2.01 4/24 P04: R-CarH3_USB/HDMI P23: EXIO_CN/MIPI_SW P02: R-CarH3_SD/QSPI P21: Audio(AK4613VQ) P23: EXIO_CN/MIPI_SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510	- C966 	- GCM32ER70J476ME19					
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R448 changed from 1k to 5.7k	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW P25: POWER	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th)	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to	- C966	- GCM32ER70J476ME19					
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance: 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW P25: POWER P11: Serial ATA	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533. C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1k to 510 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance: 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/QSPI P21: Audio (AK4613VQ) P23: EXIO CN/MIPI SW P25: POWER P11: Serial ATA	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm — 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RXS501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1.	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533. C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1k to 510 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance: 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm — 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RXS501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1.	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm → 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N)	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm → 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N)	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUSSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Components added Components added Components added	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed to substitute as production of TDK Common Mode Filter finished.	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUSSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Comment(s) changed Components added Comment(s) changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed to substitute as production of TDK Common Mode Filter finished.	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Components added Components added Components added	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed to substitute as production of TDK Common Mode Filter finished.	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Comment(s) changed Components added Comment(s) changed Components added Components added Components added Components added Components added Components added	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Components added Components added Components added Comment(s) changed Components added Comment(s) changed Components added	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 140 to 820 R434 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Components added	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm — 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031 Correction of ESD Protection (TPD4E0SU06DQAR) comment	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-Carl 3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-Carl 3 USB/HDMI P23: EXIO CN/MIPI SW P12: Audio(AK4613VQ) P23: EXIO CN/MIPI SW 2.02 5/22 P25: POWER P11: Serial ATA P25: POWER 2.04 10/17 P2 to P7 The board updated to revision 3.00. 3.00 2018 5/21 P12: USB2.0 P13: USB3.0 P10: PCI-E ch0/ch1 P15: MMC0	Mounting specification of components Comment(s) changed Comment(s) changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Components added Comment(s) changed Components added Components added Comment(s) changed Components added Comment(s) changed Components added Comment(s) changed Components added Comment(s) changed Components added Components added Components added Components added Components added Components replaced Components replaced Components replaced	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7.8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 240 to 160 and not mounted R436 changed from 140 to 820 R434 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 2.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/GSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW 2.02 5/22 P25: POWER P11: Serial ATA 2.03 7/14 P25: POWER 2.04 10/17 P2 to P7 The board updated to revision 3.00. 3.00 2018 5/21 P12: USB2.0 P13: USB3.0 P10: PCI-E ch0/ch1 P15: MMC0 P19: MIPI CSI-2 VIN	Mounting specification of components Comment(s) changed Signal name changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Comment(s) changed Components added Comment(s) changed Components added Components replaced Components replaced Components replaced Mounting specification of components	Comment added: This Schematics is common by R-CarH3 and R-CarM3. C966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: C533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm → 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031 Correction of ESD Protection (TPD4E05U06DQAR) comment Change time constant to suppress chattering of tact switch circuit. Replace the	- C966 	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SD/OSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Signal name changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Components added Comment(s) changed Components added Components added Components added Components added Components replaced Components replaced Components replaced Components replaced Mounting specification of components changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 1x to 510 R418 changed from 1x to 510 R418 changed from 1x to 510 R418 changed from 1x to 510 Differential Impedance : 90(+/-5)ohm -> 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RXS501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031 Correction of ESD Protection (TPD4E0SU0BODAR) comment Change time constant to suppress chattering of tact switch circuit. Replace the capacitor from 4.7 uF to 0.1 uF. R194 not mounted	- C966	- GCM32ER70J476ME19			-		
2.01 4/24 P04: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 USB/HDMI P23: EXIO CN/MIPI SW P02: R-CarH3 SUQSPI P21: Audio(AK4613VQ) P23: EXIO CN/MIPI SW	Mounting specification of components Comment(s) changed Signal name changed Signal name changed Components replaced (PMIC 5th) Comment(s) changed Type no. of a component changed Comment(s) changed Comment(s) changed Components added Comment(s) changed Components added Components added Components added Components added Components replaced Components replaced Components replaced Components replaced Mounting specification of components changed	Comment added: This Schematics is common by R-CarH3 and R-CarM3. (2966 not mounted bits7,8 deleted from the comment of SW31 A26 deleted from the comment of CN28 SSI_WS01239 -> SSI_WS0129 SSI_SCK01239 -> SSI_SCK0129 The capacitance of the following capacitors changed from 100uF to 47uF: (2533, C534, C535, C536, C537, C543, C942, C943, C944, and C945 R426 changed from 240 to 10k and not mounted R436 changed from 240 to 10k and not mounted The capacitance of the SDx power output capacitor changed from 10uF to 1uF. R425 changed from 470 to 820 R434 changed from 1k to 510 R418 changed from 1k to 5.7k The capacitance of the following capacitors changed from 0.022uF to Differential Impedance : 90(+/-5)ohm → 100ohm U72 changed from BD9571MWV-M to BD9571MWF-M D45 and D46 changed from RSX501L-20 to RSX501LAM20 Comment on the difference of the symbol M3N added to the symbolb U1. (For common use of the board with H3,M3 and M3N) Changed TDK Common Mode Filter to a replacement as it will be discontinued The terminals connected to U6, 7, and 8 are input open when nothing is connected to CN 6, so a pull-down resistor is added Change eMMC type name to B04P successor to B031 Correction of ESD Protection (TPD4E05U06DQAR) comment Change time constant to suppress chattering of tact switch circuit. Replace the capacitor from 4.7 uF to 0.1 uF.	- C966 	- GCM32ER70J476ME19			-		