



Revision History

2016-12-08 V0.1	Shi Guangze First version
2016-12-09 V0.2	Shi Guangze Remove Ethernet for AVM/AMP/Antenna module. Add DS90UB960-Q1 for AVM and LVDS over Coax. Change Tuner&DSP to Dirana3 because DIONE timing and datasheet is not clear now.
2016-12-12 V0.3	Shi Guangze Reserve internal Drive ID (Face&Voice recognition) solution. Assume Driver ID via 3 rd USB and reserve Ethernet port for it. Assume CarLife still required. Add DS90UB954-Q1 for V2M(Mid) variant. Mark different variants on the block diagram
2016-12-12 V0.31	Shi Guangze Customer require DS90UB954-Q1 for LVDS Des. And CVBS decoder change to be reserved. Broadcom Ethernet switch change to TJA1100. GWM now need single Ethernet port. Remove CarLife Remove Internal Driver ID because customer confirmed it will be external module. Remove the 3 rd USB for Driver ID.
2016-12-15 V0.32	Shi Guangze eMMC change to V2H&M_Mid 16GB (was 8GB),V2H&M_Low 8GB (was 4GB). BT&WiFi module change to CWM-07 (was CWM-09)
2016-12-16 V0.33	Shi Guangze BT&WiFi module change back to CWM-09 Ethernet chip change to Marvell 88E1512 (was TJA1100) for all variants Add RTC chip RA8900 for V2H&M_Low variant Amplifier TDF8546A change to TDF8532 to follow GWM's requirement. Add audio buffer for V2H&M_Top external AMP. V2H&M_Mid variant change to 360 surround view and need two DS90UB954-Q1 in eBOM (was one DS90UB954-Q1) CAN chip change from TJA1043 to TJA1044GT
2016-12-19 V0.34	Shi Guangze V2H&M_Mid eMMC change from 16GB to 32GB (customer requirement) V2H&M_Mid/High/Top DDR4 change from 2GB to 3GB (customer requirement) CAN PHY change from TJA1044GT to TJA1043. (CAN-FD canceled)
2017-01-03 V0.35	Shi Guangze Change Marvell 88E1512 to Broadcom BCM89200. (Customer confirmed EAVB and BroadR-Reach requirement.) Remove S25FL116K 2MB Flash for GPS Remove power supply to CVBS RVC&SVC Add Power supply to remote display. Add SPDIF buffer for external CD. (optional BOM) V2X change to uBlox V2X module which has the same NXP solution inside.(optional BOM) Add S25FL116K for quick warning sound and ANC.
2017-01-10 V0.36	Shi Guangze ANC&ESE required: Halosonic in Dirana3. Add A2B chip for microphone signal receiving. AMP&Dirana3&A2B controlled by IOC for quick warning sound. Ethernet chip change from BCM89200 to BCM89530
2017-01-16 V0.37	Shi Guangze Ethernet chip change from BCM89530/4ports to BCM89230/3ports Add TEF7016 for oversea market to support TMC over RDS. CAN-FD required: MCU change from R7F7010283AFP to R7F7016223AFP. CAN chip change from TJA1043 to TJA1044.