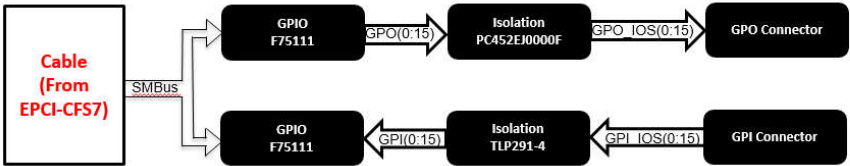
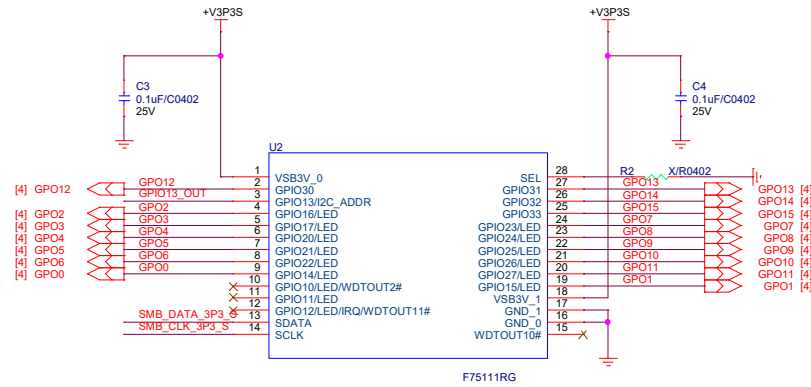
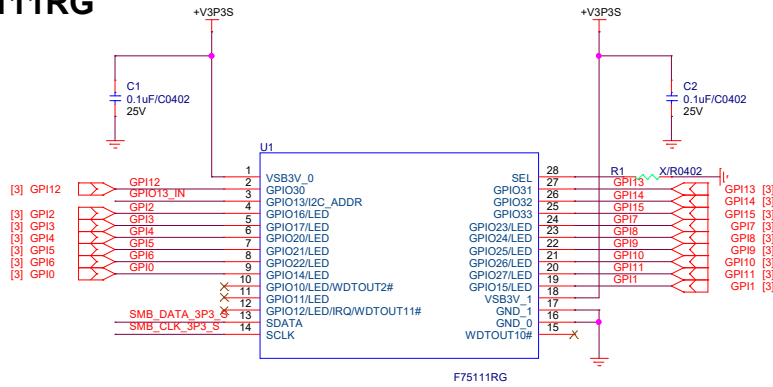


EPIC-CFS7-DIO A0.2 Block Diagram



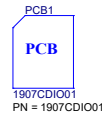
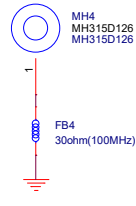
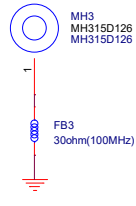
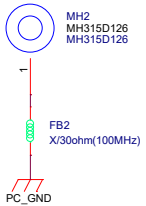
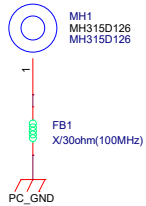
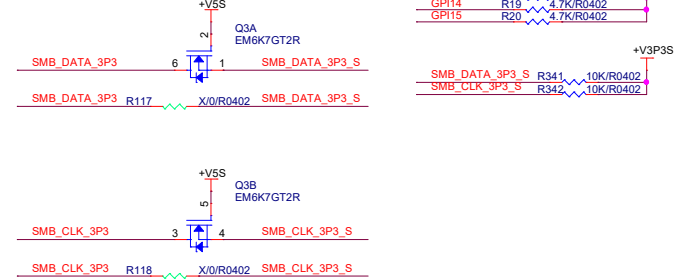
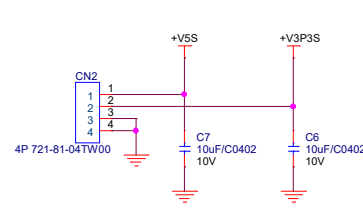
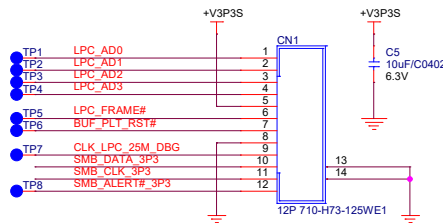
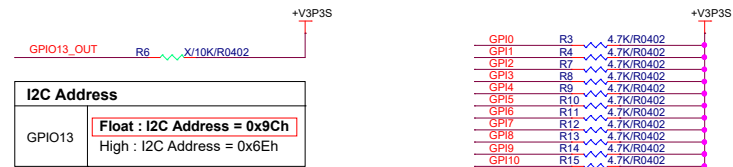
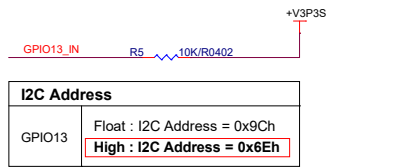
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1	COVER SHEET
2	GPIO F75111
3	16 Bits GPI_Isolation
4	16 Bits GPO_Isolation
5	BIOS Test Board
6	History

# GPIO - F75111RG



Pin Name	GPIO Function	Pin Name	GPIO Function	Pin Name	GPIO Function
GPIO10		GPIO20	GP4	GPIO30	GP12
GPIO11		GPIO21	GP5	GPIO31	GP13
GPIO12		GPIO22	GP6	GPIO32	GP14
GPIO13	Address	GPIO23	GP7	GPIO33	GP15
GPIO14	GP0	GPIO24	GP8		
GPIO15	GP1	GPIO25	GP9		
GPIO16	GP2	GPIO26	GP10		
GPIO17	GP3	GPIO27	GP11		

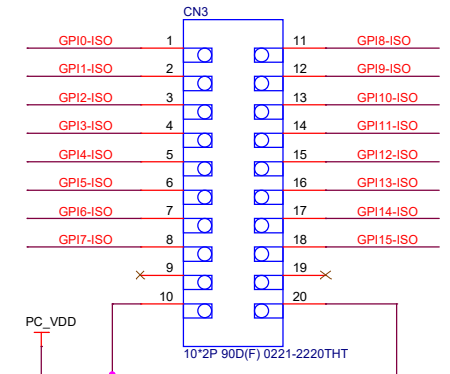
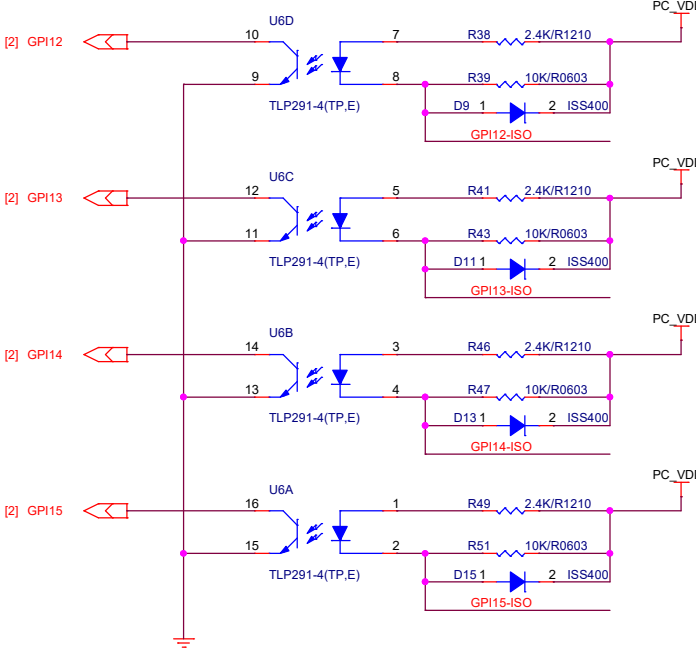
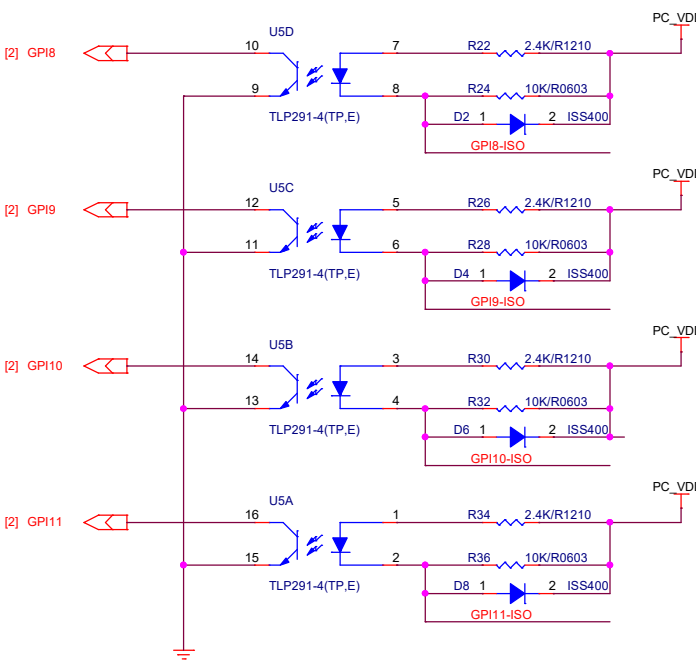
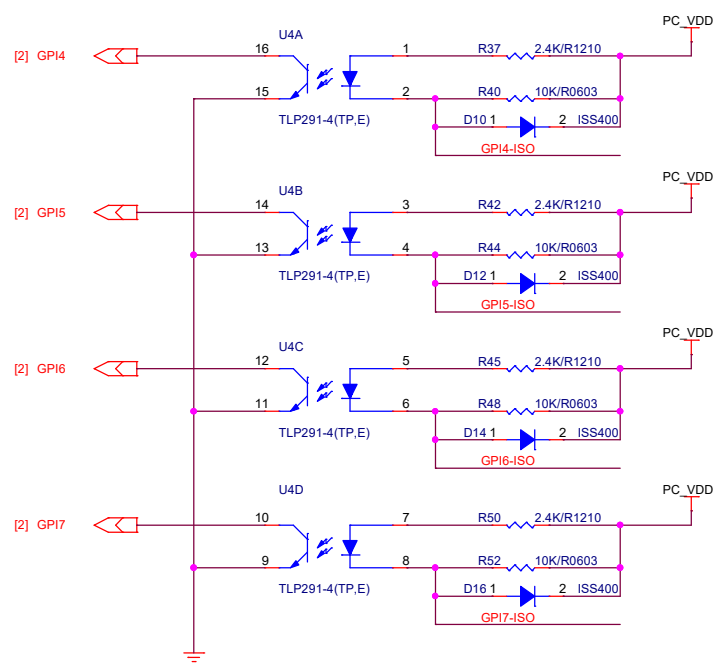
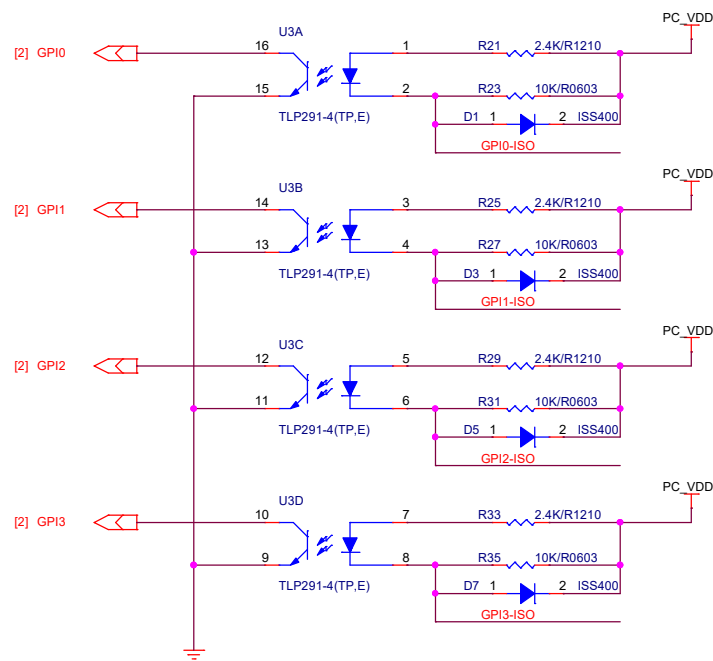
Pin Name	GPIO Function	Pin Name	GPIO Function	Pin Name	GPIO Function
GPIO10		GPIO20	GPO4	GPIO30	GPO12
GPIO11		GPIO21	GPO5	GPIO31	GPO13
GPIO12		GPIO22	GPO6	GPIO32	GPO14
GPIO13	Address	GPIO23	GPO7	GPIO33	GPO15
GPIO14	GPO0	GPIO24	GPO8		
GPIO15	GPO1	GPIO25	GPO9		
GPIO16	GPO2	GPIO26	GPO10		
GPIO17	GPO3	GPIO27	GPO11		



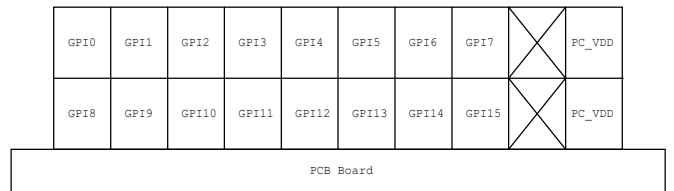
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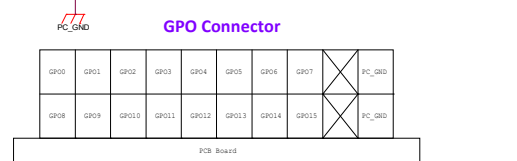
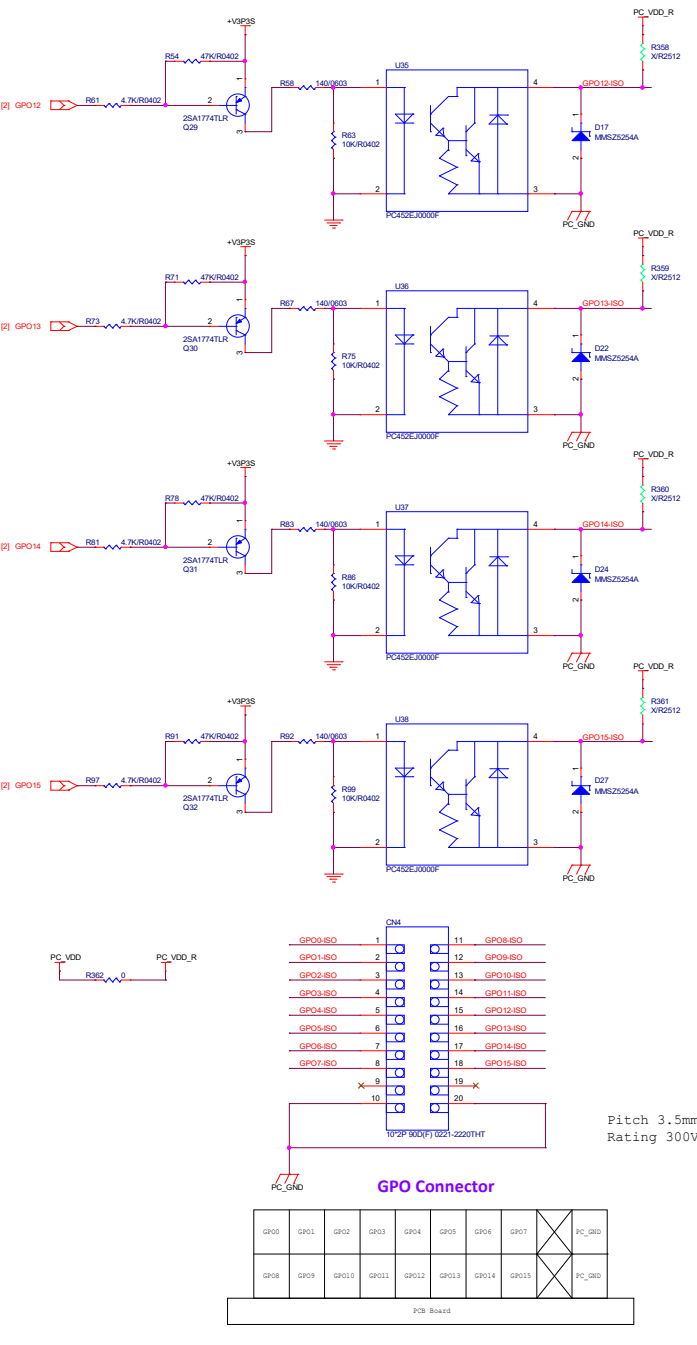
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GPIO F75111		
Size	Document Number	Rev:
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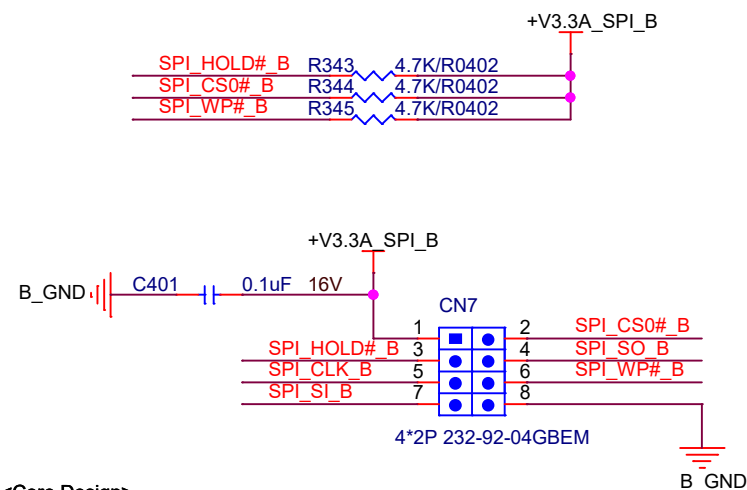
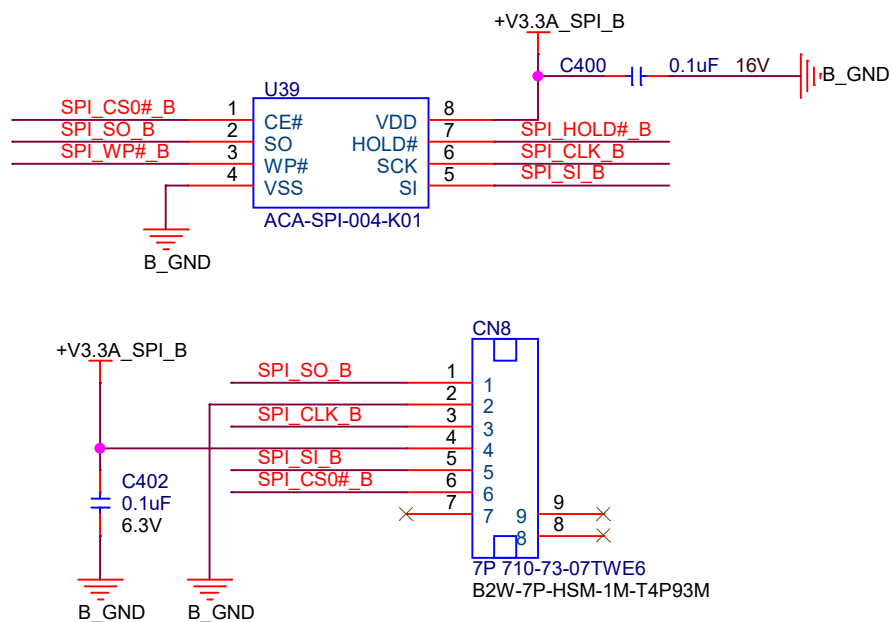
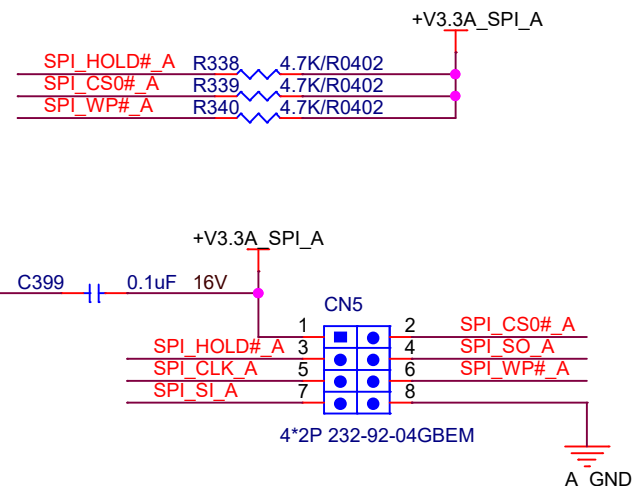
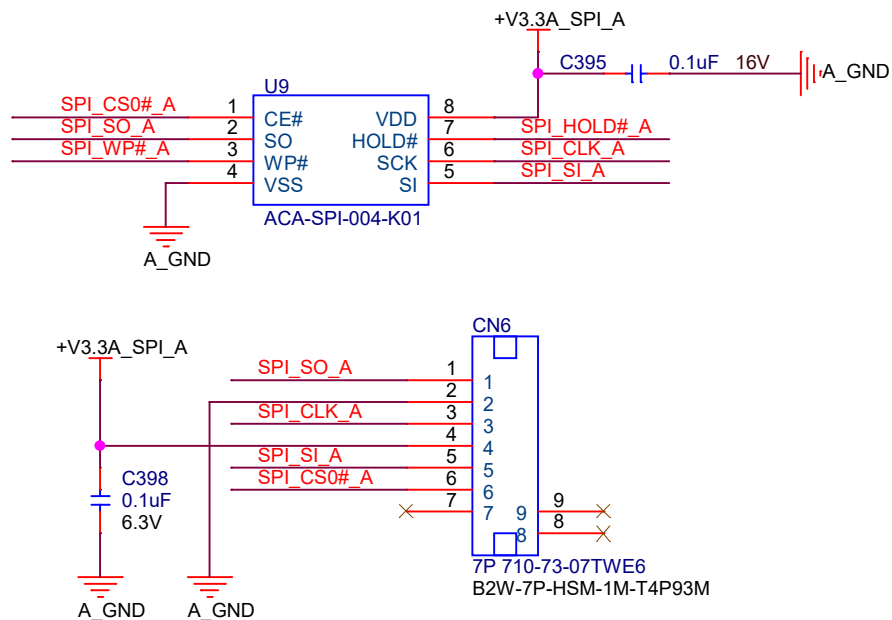
**GPI Connector**  
Pitch 3.5mm  
Rating 300V/8A



24-1.1(min)/2.4K=9.54mA  
(9.45mA)\*2\*2.4K=0.21W  
  
24-1.4(max)/2.4K=9.42mA  
(9.42mA)\*2\*2.4K=0.21W  
  
If Device = 0, CE turn on, input = 0.  
If Device = 1, CE cut off, input have pull-up =1.



 an ASUS assoc. co.	Title <b>16 Bits GPO_Isolation</b>		
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Change History				
Date	Revision	Page	Modification	Reason
2018/12/04	A0.1	1 ~ 6	First Release.	
2019/05/08	A0.2	5/6	Del (1).CN1,CN2(1655909034) (2).CN4(1655807130) (3).CN5(1653064200) (4).CN6(165320520V) (5).CN9(1655912032) (6).CN11(1653063100) (7).CN12(1655004011) (8).CN15,CN16(1655804130), (9).C10,C11,C13,C14,C15,C16,C17,C18,C19,C24,C25,C27,C28,C33,C34,C37,C41,C43,C56, C57(1121501690) (10).C12,C61,C83,C88,C91,C92(11E2501690) (11).C38(1128710390), (12).C58(11E1501040) (13).C82,C87,C89(11EA647010) (14).C88,C94,C85,C86,C89,C90,C93,C94(11E2610032) (15).C95(1124456090) (16).C96(11C1547890) (17).C37(11E1547631) (18).FB3,FB4(121230805X), (19).FB5(12123A009E) (20).LED1(1304101340) (21).LED2,LED3(1304021660) (22).L1(121110158P) (23).Q1,Q2,Q4,Q5(1315EM6K70) (24).Q6,Q7,Q8,Q9(1315700220) (25).D10,C11(1315000530) (26).RT1,RT2(106B500144) (27).R3,R4,R5,R6,R7,R8(105A702229) (28).R7,R8,R9,R10,R11,R12,R13,R14,R41,R42,R43,R54,R78,R79,R87,R89,R90,R92,R93, R96,R98,R99,R101,R102,R106,R108,R110,R112,R114,R117,R120,R121,R123,R126,R128, R130,R132,R133,R135,R140,R142,R144(1050510024) (29).Del Reverse RES, R15,R129,R131 (30).R17,R77,R148(1050504724) (31).R19,R21,R56,R91,R94,R95,R111,R113,R143(1050700004) (32).Del Reverse RES, R20, R22 (33).R31,R32(1050510014) (34).R53,R59,R149(105A700003) (35).R88(105A733009) (36).R97,R100,R103,R104,R105,R109,R115,R116,R119,R122,R124,R125,R127,R134 R136,R139(105A712009) (37).R137,R138(1050502734) (38).R141(105A545323) (39).R145(105A516033) (40).R146(105A502039) (41).R147(105A703039) (42).U1,U2(14S4322200) (43).U7(14S6216060) (44).U11(14E085261) (45).U20(14S662150)	Del EC Test Board.
2019/05/08	A0.2	4	Del (1).CN7(1655901000) (2).CN18(1655912032) (3).C21,C35(11C2410730) (4).C26(1124410080) (5).JP1,JP2(165330010G) (6).JP1(1-2)(165330010E) (7).JP1(2-3)(1653300107) (8).R1,R2,R7(105A700133) (9).R48(105A700003) (10).SW1(160103070) (11).U8(144035200) (12).U18,U19(1304005302)	Del Post Card Test Board.
2019/05/08	A0.2	3/4	Del (1).C1,C4,C71,C72,C74,C75,C76,C77(1124522861) (2).C2,C3,C5,C6,C7,C8,C29,C30,C31,C32,C50,C51,C52,C53,C70,C73(11C2410730) (3).C20,C42,C59,C60(1139510292) (4).C44,C46,C48,C49,C64,C79(11E2610032) (5).Del reserved CAP C47,C55,C65,C87, (6).C48,C54,C80,C81(11E2501690) (7).Del reserved CAP C63,C78 (8).Del reserved CAP C66,C82 (9).D1,D2,D3,D4,D5,D6,D7,D8(1301005444) (10).F51, F52(1752001603) (11).R60,R61,R62,R63,R80,R81,R82,R83,R84,R85,R107,R118(105A700003) (12).U3,U4,U5,U6,U13,U14,U15,U16(143M142E00) (13).U12,U17(1251004010). Add (1).D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11,D12,D13,D14,D15,D16(13001SS400) (2).D17,D18,D19,D20,D21,D22,D23,D24,D25,D26,D27,D28,D29,D30,D31,D32(13025254A0) (3).Q17,Q18,Q19,Q20,Q21,Q22,Q23,Q24,Q25,Q26,Q27,Q28,Q29,Q30,Q31,Q32(1311217740) (4).R21,R22,R25,R26,R29,R30,R33,R34,R37,R38,R41,R42,R45,R46,R49,R50(1052502426) (5).R23,R24,R27,R28,R31,R32,R35,R36,R38,R40,R43,R44,R47,R48,R51,R52(105A501033) (6).R53,R54,R55,R56,R66,R71,R77,R78,R79,R89,R90,R91,R101,R104,R109,R110(1050504734) (7).R56,R58,R59,R67,R68,R72,R80,R83,R85,R82,R53,R94,R102,R105,R111,R112(1059575061) (8).R57,R60,R61,R66,R70,R73,R81,R82,R84,R85,R86,R87,R103,R106,R113,R114(1050504724) (9).R62,R63,R64,R74,R75,R76,R86,R87,R88,R89,R99,R100,R107,R108,R115,R116(1050510024) (10).U3,U4,U5,U6(147LP2910) (11).U23,U24,U25,U26,U27,U28,U29,U30,U31,U32,U33,U34,U35,U36,U37,U38(147PC45200)	Isolation change from isolation IC to PhotoCoupler.
2019/05/08	A0.2	2	Used all GPI with U1, all GPO with U2.	For GPI/GPO used the same IC.
2019/05/08	A0.2	2	CN2 Pin 1 change from 5VS to +V3P5S.	No need to provide 5V to customer Device.
2019/05/31	A0.2	5		Add BIOS Test Board

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