	1			2	3		4	
		Т					_	
	Version	Date	By	Change Dsecription			Approved	
A		2024-12-26	ASK					A
	V1.0	2024-12-30	ASK	1.Modify the GPS model 2.Added battery protection mechan 3.Modify the system power section				
		2025-3-09	ASK	1.Simplified schematic 2.Partial GPIO redistribution				
В								В
С								С
D						Title PSG_MB_C Size: A4 Numl Date: 2025/3/20 T File: 01.Revision Histo		D
	1			2	3		4	

		1					2					3			4		
	n	ern no cultur															
,	K	RED Disabled													_		
		GPIO	LCD-Display	LCD-TP	I/O Expander	GPS	Sensor	IMU	USB	Battery	KEYS	Debug	System				
Α	-	IO0 IO1	LCD_R7		++	i			 				BOOT-SW3		-		A
	F	IO2	LCD_R6												1		
,		IO3 IO4	LCD_VS SPI_SCK		 		I2C1_SDA	I2C1_SDA	+	$\overline{}$		+	+		-		
,	_	IO5	SPI_MOSI				I2C1_SCL	I2C1_SCL							1		
,	-	IO6 IO7	LCD_DE		+		4'			ADC					-		
		IO8	LCD_G3						<u> </u>						1		
	-	IO9 IO10	LCD_PCLK LCD B3		$\overline{\qquad}$		 '	<u> </u>	 '				<u> </u>	F]		
_		IO11	LCD_B4				1		<u> </u>				<u> </u>				
,	<u> </u>	IO12 IO13	LCD_B5 LCD_B6														
,		IO13 IO14	LCD_B6 LCD_B7		 		+		 			+	+				
	-	IO15		TP_INT			1 '			-							
,		IO16 IO17	LCD_G4 LCD_RST		+	TXD1	-		—	$\overline{}$					-		
,		IO18	SPI_CS			RXD1											
В	-	IO19 IO20					<u> </u>		USB_DM USB_DP		Ē	USB_DM USB_DP			-		В
"	. [IO21	LCD_G2				1		UDD_D1			USB_E1			1		
	 	IO38 IO39	LCD_G6 LCD_G7		$\overline{\qquad}$		Ţ								1		
	<u> </u>	IO40	LCD_R3				 					 	 		1		
	-	IO41	LCD_R4												1		
	-	IO42 IO45	LCD_R5 LCD_G5		+		+					+	+		-		
	F	IO46	LCD_HS	72 70 0D 1	72.00 ap.		**************************************	******							1		
<u> </u>		IO47 IO48		TP_I2C0_SDA TP_I2C0_SCL	12C0_SDA 12C0_SCL		I2C0_SDA I2C0_SCL	I2C0_SDA I2C0_SCL		$\overline{}$			+		-		
		RXD0		11_1200_50_	1200_502	RXD0	1200_502	ILCO_BCL									
	<u> </u>	TXD0 EN		_		TXD0	4'		 '				EN-SW2		-		
		EX_P0							<u> </u>				EIV-D II 2		<u> </u>		
	-	EX_P1 EX_P2			$\overline{\qquad}$		Ţ		<u> </u>	\vdash					1		
		EX_P3					+		 			 	<u> </u>		-		
	-	EX_P4	Backlight	TD DCT											1		
C		EX_P5 EX_P6		TP_RST	 	1PPS	+		+			+	+		+		C
		EX_P7								'					1		
	-	EX_P8 EX_P9			+		+'		 	\vdash			+		-		
		EX_P10															
	-	EX_P11 EX_P12			+		VL_XS VL_IO1		 '	\vdash	<u> </u>	4			-		
		EX_P13					VL_IOI		<u> </u>				<u> </u>		1		
<u>—</u> ′	-	EX_P14 EX_P15					Ţ		<u> </u>		SW1 SW2				1		
		EX_PIS EX_PI6					+				SW2 SW3	 	+		-		
		EX_P17					1 '								1		
					 		+		+	$\overline{}$		+	+		-		
	_														•		
,																	
D													Title				D
													Size	Number		Revision	
,													A4				
													Date: File:	3/20/2025 D:\SCH\\02.GPIC	Sheet O.SchDoc Drawn	of D	
		1					2					3	File.	D. SCH U2.U110	J.SchDoc Drawn 4		
		1										3			7		











