

AC54系列屏接口说明

端口 (A/B)	IMD接口	RGB888	YUV888	RGB333/9	RGB333/3	RGB565/16	YUV422/16	RGB565/8	YUV422/8	RGB666/18	RGB666/9	RGB666/6
PGO/PCO	LCD DATOA/LCD DATOB	B2	V2	x	x	В0	CO CO	x	x	B2	x	x
PG1/PC1	LCD DAT1A/LCD DAT1B	B3	V3	x	x	B1	C1	x	x	B3	x	x
PG2/PC2	LCD DAT2A/LCD DAT2B	B4	V4	x	x	B2	C2	x	x	B4	x	x
PG3/PC3	LCD DAT3A/LCD DAT3B	B5	V5	x	x	B3	C3	x	x	B5	x	x
PG4/PC4	LCD DAT4A/LCD DAT4B	B6	V6	x	x	B4	C4	x	x	B6	x	x
PG5/PC5	LCD DAT5A/LCD DAT5B	B7	V7	x	x	GO	C5	x	x	B7	x	x
PG6/PC6	LCD DAT6A/LCD DAT6B	G2	U2	x	x	G1	C6	x	x	G2	x	x
PG7/PC7	LCD DAT7A/LCD DAT7B	G3	U3	B5	x	G2	C7	x	x	G3	B2/G5	x
PG8/PC8	LCD DAT8A/LCD DAT8B	G4	U4	B6	x	G3	YO	B0/G3	CO/YO	G4	B3/G6	x
PG9/PC9	LCD DAT9A/LCD DAT9B	G5	U5	B7	x	G4		B1/G4	C1/Y1	G5	B4/G7	x
PG10/PC10	LCD DAT10A/LCD DAT10B	G6	U6	G5	x	G5	Y2	B2/G5	C2/Y2	G6	B5/R2	B2/G2/R2
PG11/PC11	LCD DAT11A/LCD DAT11B	G7	U7	G6	x	RO	Y3	B3/R0	C3/Y3	G7	B6/R3	B3/G3/R3
PG12/PC12	LCD DAT12A/LCD DAT12B	R2	Y2	G7	x	R1	Y4	B4/R1	C4/Y4	R2	B7/R4	B4/G4/R4
PG13/PC13	LCD DAT13A/LCD DAT13B	R3	Y3	R5	B5/G5/R5	R2	Y5	G0/R2	C5/Y5	R3	G2/R5	B5/G5/R5
PG14/PC14	LCD DAT14A/LCD DAT14B	R4	Y4	R6	B6/G6/R6	R3	Y6	G1/R3	C6/Y6	R4	G3/R6	B6/G6/R6
PG15/PC15	LCD DAT15A/LCD DAT15B	R5	Y5	R7	B7/G7/R7	R4	Y7	G2/R4	C7/Y7	R5	G4/R7	B7/G7/R7
PHO/PDO	LCD DAT16A/LCD DAT16B	R6	Y6	x	x	x	x	x	x	R6	x	x
PH1/PD1	LCD DAT17A/LCD DAT17B	R7	Y7	x	x	x	x	x	x	R7	x	x
PH6/PD6	LCD DAT18A/LCD DAT18B	BO	V0	x	x	x	x	x	x	x	x	x
PH7/PD7	LCD DAT19A/LCD DAT19B	B1	V1	x	x	x	x	x	x	x	x	x
PH8/PD8	LCD DAT20A/LCD DAT20B	GO	U0	x	x	x	x	x	x	x	x	x
PH9/PD9	LCD DAT21A/LCD DAT21B	G1	U1	x	x	x	x	x	x	x	x	x
PH10/PD10	LCD DAT22A/LCD DAT22B	RO	Y0	x	x	x	x	x	x	x	x	x
PH11/PD11	LCD DAT23A/LCD DAT23B	R1	Y1	x	x	x	x	x	x	x	x	x
PH2/PD2	LCD DLCKA/LCD DCLKB											
PH3/PD3	SYNCO SEL											
PH4/PD4	SYNC1 SEL											
PH5/PD5	SYNC2 SEL											

MIPI接口

					m11 113€ 1−1						
引脚号	引脚名称	1 LANE	2 LANE	3 LANE	4 LANE						
PIN102	DSI_DON	MIPI_CKN	MIPI_CKN	MIPI_CKN	MIPI_CKN						
IN103	DSI_DOP	MIPI_CKP	MIPI_CKP	MIPI_CKP	MIPI_CKP	WIDI	見た地	+626+			
IN104	DSI_D1N	MIPI_DON	MIPI_DON	MIPI_DON	MIPI_DON	MIP1	屏标准	E技法			
PIN105	DSI_D1P	MIPI_DOP	MIPI_DOP	MIPI_DOP	MIPI_DOP						
PIN106	DSI D2N	x	MIPI D1N	MIPI D1N	MIPI D1N						
IN107	DSI D2P	x	MIPI D1P	MIPI D1P	MIPI D1P	注: MIPI用	都有CLK LA	NE, 差别只	是DATA LAN	E数量不同	
IN108	DSI D3N	x	x	MIPI D2N	MIPI D2N						
IN109	DSI D3P	x	x	MIPI D2P	MIPI D2P						
IN110	DSI D4P	x	x	x	MIPI D3N						
PIN111	DSI_D4N	х	x	x	MIPI_D3P						
生: L.MTPT接口幣	が理上有5条LANE、毎条LANE的	DP. DN#₹X	出现。其中	コー多LANE フ	CLK. 另外四条LANE为DATA	每多LANE的	类型可以配	置. DP、 DNfl	也可以互换。	一般情况下	ariy.
件连线时所有	7理上有5条LANE, 毎条LANE的 『LANE的DP、DN保持一致, 如』 FRGB16/RGB18/RGB24的颜色タ	:所示为MIF			gCLK, 另外四条LANE为DATA	,每条LANE的	类型可以配	置, DP、 DN也	也可以互换。	一般情况下	建议,

MCU接口的屏基本都可以支持,RGB接口支持以下时序,如下表所示。请查看屏的数据手册。

支持RGB接口时序:	数据位览
Serial 8-bit RGB Input Timing	8位
Serial 8-bit Dummy RGB Input Timing	8位
320 mode/NTSC/24.535MHz	
320 mode/PAL/24.375MHz	
360 mode/NTSC/27MHz	
360 mode/PAL/27MHz	
Parallel RGB Input Timing	24位
YUV640 mode /NTSC Input Timeing	8位/16位
YUV640 mode /PAL Input Timeing	8位/16位
YUV720 mode /NTSC Input Timeing	8位/16位
YUV720 mode /PAL Input Timeing	8位/16位
CCIR656 mode	8位/16位
RAW Data mode	867

DA/LCD DATOB LA/LCD DATOB LA/LCD DATES DAT/LCD DATES DA/LCD DATES	EMI	D0A/EMI D1A/EMI D2A/EMI D3A/EMI D4A/EMI D5A/EMI D6A/EMI D7A/EMI D9A/EMI D10A/EMI	D1B D2B D3B D4B D5B D6B D7B D8B D9B	x x x x x x x x x x x x	x x x x x x x x x	x x x x x x x x x x x DB0	x x x x x x x DB0	DB1 DB2 DB3 DB4 DB5 DB6 DB7	DB0 DB1 DB2 DB3 DB4 DB5 DB6 DB7
PA/LCD DAT2B RA/LCD DAT3B RA/LCD DAT4B RA/LCD DAT4B RA/LCD DAT5B RA/LCD DAT6B RA/LCD DAT7B RA/LCD DAT7B RA/LCD DAT9B RA/LCD DAT10B RA/LCD DAT10B RA/LCD DAT11B RA/LCD DAT11B	EMI EMI EMI EMI EMI EMI EMI EMI	D2A/EMI D3A/EMI D4A/EMI D5A/EMI D6A/EMI D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D2B D3B D4B D5B D6B D7B D8B D9B	x x x x x x x	x x x x x	x x x x x	x x x x x DB0	DB2 DB3 DB4 DB5 DB6 DB7	DB2 DB3 DB4 DB5 DB6
SA/LCD DAT3B SA/LCD DAT4B SA/LCD DAT5B SA/LCD DAT6B SA/LCD DAT6B SA/LCD DAT7B SA/LCD DAT7B SA/LCD DAT9B SA/LCD DAT10B SA/LCD DAT11B SA/LCD DAT11B	EMI EMI EMI EMI EMI EMI EMI EMI	D3A/EMI D4A/EMI D5A/EMI D6A/EMI D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D3B D4B D5B D6B D7B D8B D9B	x x x x x	x x x x	x x x x x	x x x x DBO	DB3 DB4 DB5 DB6 DB7	DB3 DB4 DB5 DB6
A/LCD DAT4B 5A/LCD DAT5B 5A/LCD DAT6B 7A/LCD DAT7B 8A/LCD DAT7B 8A/LCD DAT9B 10A/LCD DAT10B 11A/LCD DAT11B 12A/LCD DAT12B	EMI EMI EMI EMI EMI EMI EMI	D4A/EMI D5A/EMI D6A/EMI D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D4B D5B D6B D7B D8B D9B	x x x x x	x x x	x x x x	x x x DBO	DB4 DB5 DB6 DB7	DB4 DB5 DB6
SA/LCD DAT5B SA/LCD DAT6B SA/LCD DAT7B SA/LCD DAT7B SA/LCD DAT9B OA/LCD DAT10B 11A/LCD DAT11B 12A/LCD DAT12B	EMI EMI EMI EMI EMI EMI	D5A/EMI D6A/EMI D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D5B D6B D7B D8B D9B	x x x	x x x	x x x	x x DBO	DB5 DB6 DB7	DB5 DB6
SA/LCD DAT6B FA/LCD DAT7B SA/LCD DAT8B SA/LCD DAT9B SA/LCD DAT10B SA/LCD DAT11B SA/LCD DAT11B	EMI EMI EMI EMI EMI	D6A/EMI D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D6B D7B D8B D9B	x x x	x x	x x	x DB0	DB6 DB7	DB6
A/LCD DAT7B BA/LCD DAT8B DA/LCD DAT9B LOA/LCD DAT10B L1A/LCD_DAT11B L2A/LCD_DAT12B	EMI EMI EMI EMI EMI	D7A/EMI D8A/EMI D9A/EMI D10A/EMI	D7B D8B D9B	x x	x	х	DB0	DB7	
BA/LCD DATSB DA/LCD DATSB DA/LCD DAT10B DA/LCD DAT11B DA/LCD DAT12B	EMI EMI EMI EMI	D8A/EMI D9A/EMI D10A/EMI	D8B D9B	x					DB7
0A/LCD DAT9B 10A/LCD DAT10B 1A/LCD_DAT11B 12A/LCD DAT12B	EMI EMI EMI	D9A/EMI D10A/EMI	D9B		x	DB0	DB1		
OA/LCD DAT10B 1A/LCD_DAT11B 12A/LCD DAT12B	EMI EMI	D10A/EMI						DB8	DB8
1A/LCD_DAT11B 2A/LCD_DAT12B	EMI			X	x	DB1	DB2	DB9	DB9
2A/LCD DAT12B			I D10B	x	DB0	DB2	DB3	DB10	DB10
	EMI	D11A/EMI	_D11B	x	DB1	DB3	DB4	DB11	DB11
3A/LCD DAT13B		D12A/EMI			DB2	DB4	DB5		DB12
		D13A/EMI			DB3	DB5	DB6		DB13
4A/LCD DAT14B	EMI	D14A/EMI	I D14B	DB1	DB4	DB6	DB7		DB14
5A/LCD DAT15B	EMI	D15A/EMI	I D15B	DB2	DB5	DB7	DB8		DB15
6A/LCD DAT16B				x	x	x	x		DB16
				x	x	x	x	x	DB17
				х	x	х	х	х	x
				x	x	x	x	x	x
20A/LCD DAT20B				x	x	x	x	x	x
				х	x	х	х	х	x
				x	x	x	x	x	x
23A/LCD DAT23B				x	x	x	x	x	x
				х	x	х	х		x
/LCD DENB									
	EMI	RDA/EMI	RDB			RD		RD	
	х			x	X	х	x	x	
	16A/LCD DAT16B 17A/LCD DAT16B 17A/LCD DAT18B 19A/LCD DAT19B 20A/LCD DAT20B 21A/LCD DAT20B 22A/LCD DAT22B 23A/LCD DAT22B A/LCD DAT22B	16AACD DAT16B 17A/LCD DAT16B 18A/LCD DAT18B 19A/LCD DAT19B 19A/LCD DAT19B 20A/LCD DAT20B 21A/LCD DAT20B 22A/LCD DAT21B 22A/LCD DAT21B 22A/LCD DAT23B 23A/LCD DAT23B 23A/LCD DAT23B 23A/LCD DAT23B 23A/LCD DAT23B 23A/LCD DAT23B 23A/LCD DAT23B 24A/LCD DAT23B 25A/LCD DAT23B 25A/LC	16A-LCD DAT168 18A-LCD DAT178 18A-LCD DAT178 18A-LCD DAT178 18A-LCD DAT198 18A-LCD DAT298 18A-LCD DAT298 18A-LCD DAT218 18A-LCD DAT218 18A-LCD DAT218 22A-LCD DAT238 2A-LCD DAT238 2A-L	16A/LCD DATIOS 16A/L	ISA/ICD DATIOS	16A/LCD DATIEB	165/LTD MATIEB	165/LTD DATIEB	16A/LCD DATIeB

