

E1604AC63. A-RM69092-华山-V01

1. Power On Sequence

W/R	Type	Register	Parameter	Description
				Turn on VDDIO
				Delay (No Limit)
				Turn on VCI
				Delay (No Limit)
				Turn on VBAT
				Delay >10ms
				Reset pin high
				Delay >10ms
				QSPI初始化
				Delay >1ms
w	0x15	0xFE	0x01	page0
w	0x15	0x6A	0x41 (RT4730)	ELVSS : -3.3V(normal状态下)
w	0x15	0xAB	0x3D (RT4730)	ELVSS : -3.7V(HBM状态下)
w	0x15	0xFE	0x00	User Command
w	0x15	0x3A	0x75	QSPI3553格式
w	0x15	0x80	0x17	
w	0x15	0x35	0x00	enable TE
w	0x15	0x53	0x20	关dimming (客户可根据需求更改)
w	0x15	0x51	0xFF	
w	0x15	0x2A	0x00	
w			0x14	
w			0x01	
w			0x53	
w	0x15	0x2B	0x00	
w			0x00	
w			0x01	
w			0x67	
w	0x15	0x30	0x00	
w			0x01	
w			0x01	
w			0x66	
w	0x15	0x31	0x00	
w			0x15	
w			0x01	
w			0x52	
w	0x05	0x12		
w	0x05	0x11		sleep out
				Delay >80ms

w	0x05	0x29		display on
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2. Power Off Sequence				
w	0x05	0x28		Display off
w	0x05	0x10		Sleep in
Reset pin low				
Dealy >0ms				
Turn off ELVDD/ELVSS				
Delay >10ms				
Turn off VCI & VDDIO				

3. Sleep In				
R/W	Type	Register	Parameter	Description
w	0x05	0x28		Display off
w	0x05	0x10		Sleep in
Delay >120ms				

4. Sleep Out				
R/W	Type	Register	Parameter	Description
w	0x05	0x11		Sleep out
Delay >80ms				
w	0x05	0x29		Display on

5. Idle mode In				
R/W	Type	Register	Parameter	Description
w	0x15	0xFE	0x00	user command
w	0x05	0x39		Idle in

6. Idle mode Out				
R/W	Type	Register	Parameter	Description
w	0x15	0xFE	0x00	user command
w	0x05	0x38		Idle out

7. HBM mode In				
R/W	Type	Register	Parameter	Description
w	0x15	0xFE	0x04	
w	0x05	0x66	0x06	
w	0x15	0xFE	0x00	user command
w	0x05	0x66	0x02	HBM in

8. HBM mode Out				
R/W	Type	Register	Parameter	Description
w	0x15	0xFE	0x04	
w	0x05	0x66	0x1D	

w	0x15	0xFE	0x00	user command
w	0x05	0x66	0x00	HBM out

9. Deep standby In

R/W	Type	Register	Parameter	Description
w	0x15	0xFE	0x00	user command
w	0x15	0x4F	0x01	

10. Deep standby Out

R/W	Type	Register	Parameter	Description
				Reset pin low
Delay >3ms				
				Reset pin high
				Power on Sequence