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|------|--|---------|------------|
| 1.00 | Initial Version | Brad Wu | 2020/09/07 |
| 1.01 | Add Mic In OP, ARGB pin, VR Voltage level. | Brad Wu | 2020/11/16 |
| 1.02 | Modify Mic In C42,C43, C44, C50,C54,C55 value to 475. | Brad Wu | 2021/1/5 |
| 1.03 | 1.Add Test Pin R71 1kOhm. 2.Modify HP out R46, R47,R52, R53. | Brad Wu | 2021/1/21 |
| 1.04 | 1.Add C68, C69(106). 2.Modify C41 to 475, HP out R46, R47,R52, R53 to 33R or 5R1. | Brad Wu | 2021/2/5 |
| 1.05 | 1.Modify L11, L13 to capacitor 475 value. 2.Modify C42, C44, to 0R, R41, R42 to 1MOhm. for fine tune high frequency noise. | Brad Wu | 2021/5/25 |
| 1.06 | 1.For suspend current modify R27, R28 value. And add diode D2. | Brad Wu | 2021/7/27 |
| 1.07 | 1.刪除C1/R1/VR1 2.刪除C6/R4/VR2 3.刪除C9/R8/VR3 4.刪除R35/J6/C12/D1/R11/R13/R16/R20/R21/R24/Q1/Q2/Q3 5.Add D2 C68/C69 R72/R73/R74/C70/C71/SW6 LED~LED14(共15顆) C72~C86共14顆 換料J12/J15 | Brad Wu | 2022/09/29 |
| 1.08 | For Pass ESD modify: 1.0R L5/L6/L7/L8/L9/L10. 2, TVS D15/D16/D17/D18/D19/D20. 3. L23 Fead 100R. 4. C7, C8 ESD pass change to TVS D21, D22. | Brad Wu | 2024/10/30 |



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Title

CMA175

Size

Document Number

Note

Rev

1.08

Date:

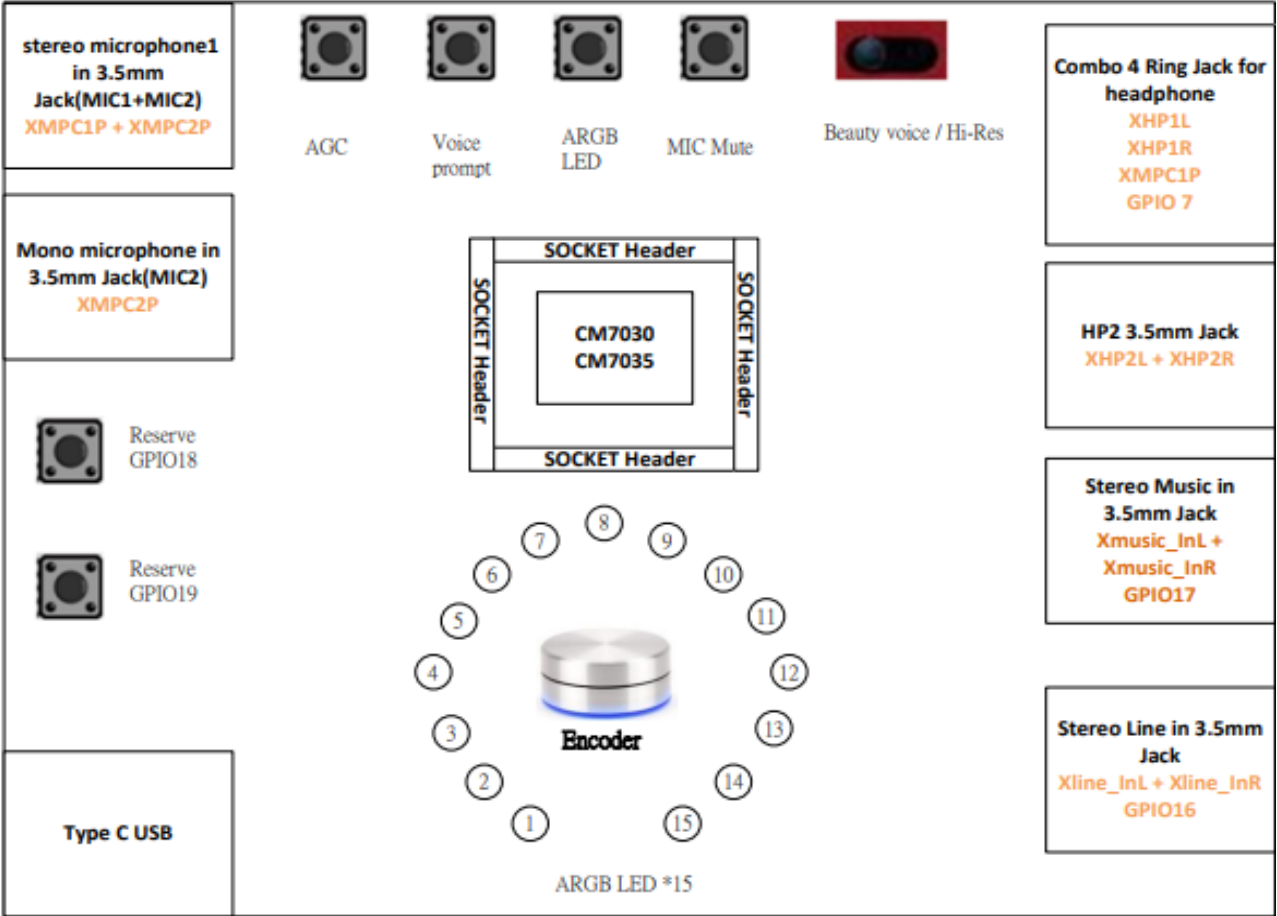
Wednesday, October 30, 2024

Sheet

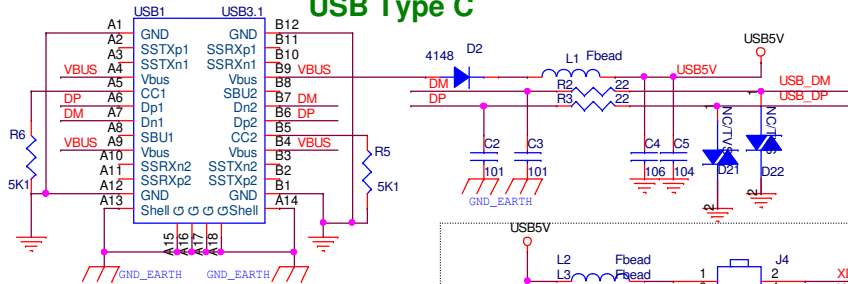
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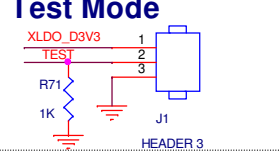
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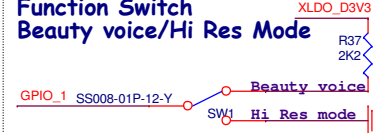
USB Type C



Test Mode

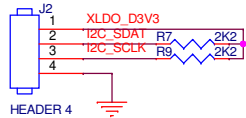


Function Switch Beauty voice/Hi Res Mode

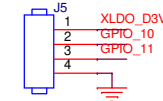


| | |
|---------|------------------------|
| GPIO_0 | ARGB Control |
| GPIO_1 | Beauty voice/Hi-Res |
| GPIO_2 | AGC button |
| GPIO_3 | Voice prompt |
| GPIO_4 | ARGB LED button |
| GPIO_5 | MIC mute On/Off button |
| GPIO_6 | Encoder button |
| GPIO_7 | Headphone JD |
| GPIO_8 | Volume Encoder |
| GPIO_9 | Volume Encoder |
| GPIO_10 | UART |
| GPIO_11 | UART |
| GPIO_16 | Line In JD |
| GPIO_17 | Music In JD |
| GPIO_18 | Resver button |
| GPIO_19 | Resver button |

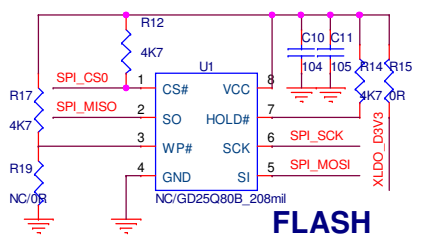
I2C



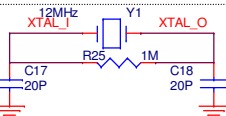
UART



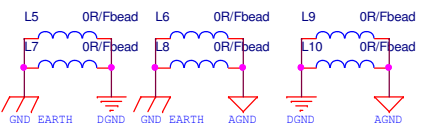
FLASH



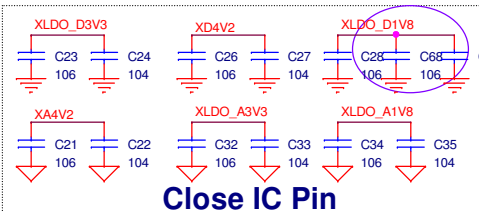
Crystal



GND_Plane

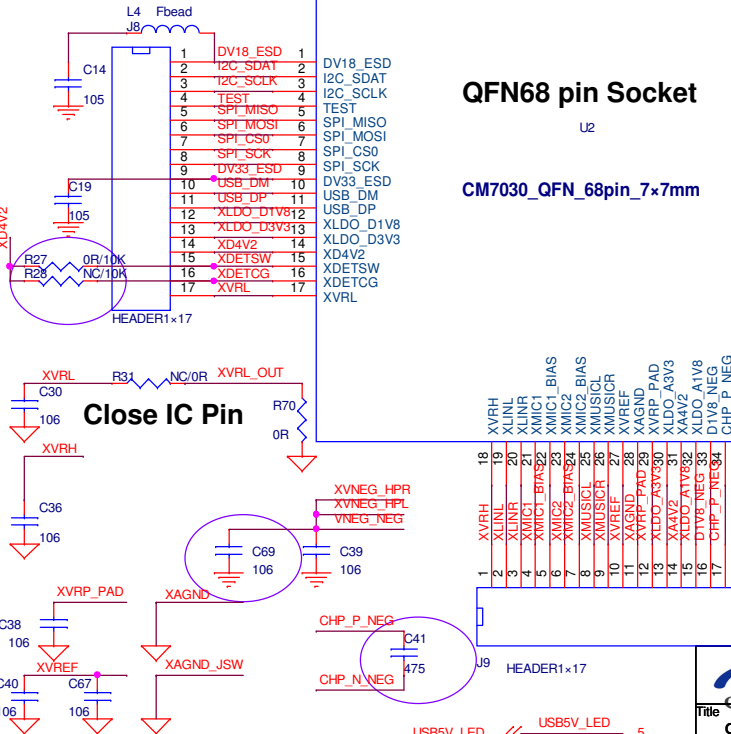


Close IC Pin




QFN68 pin Socket

U2
CM7030_QFN_68pin_7x7mm



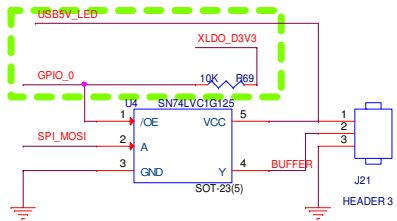
Close IC Pin

USB5V_LED << USB5V_LED 5
XLD0_D3V3 << XLD0_D3V3 5

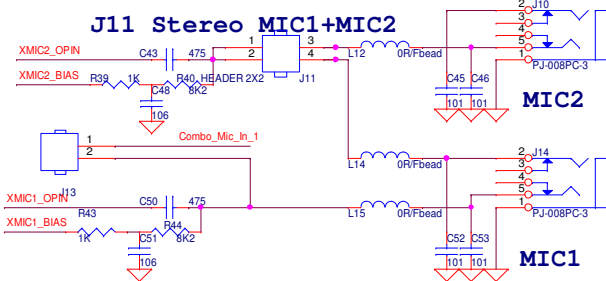


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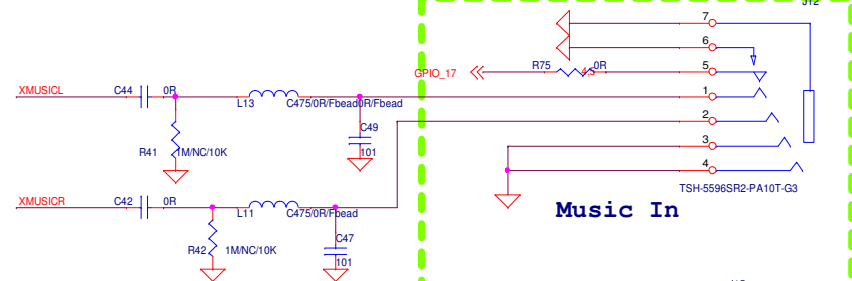
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| Title | CMA175 | | |
| Size | Document Number | CM7030 | Rev 1.08 |
| Date | Wednesday, October 30, 2024 | | |
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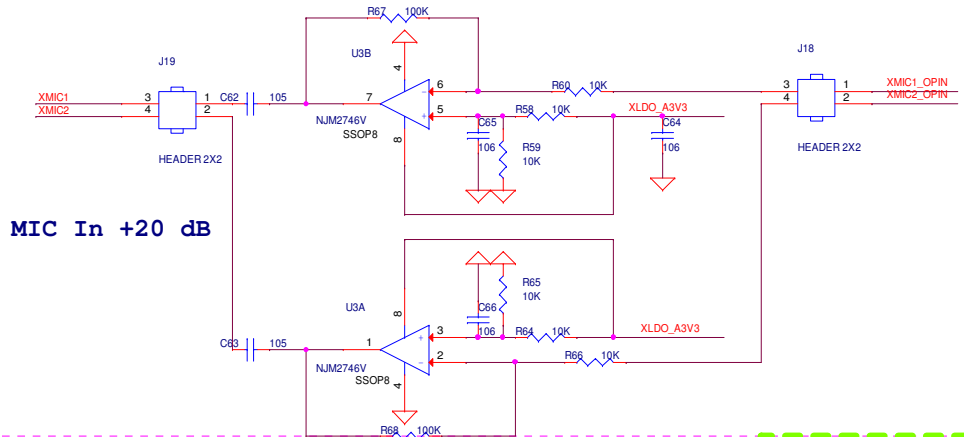
ARGB Pin



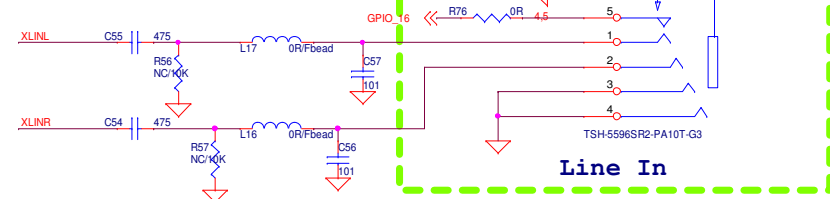
J11 Stereo MIC1+MIC2



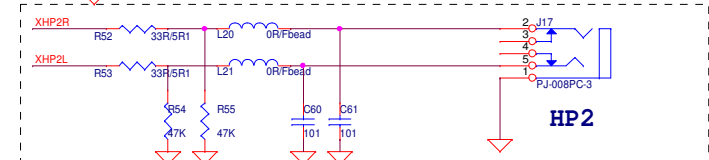
Music In



MIC In +20 dB



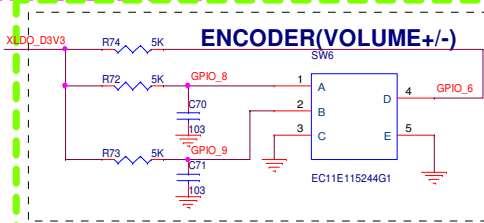
Line In



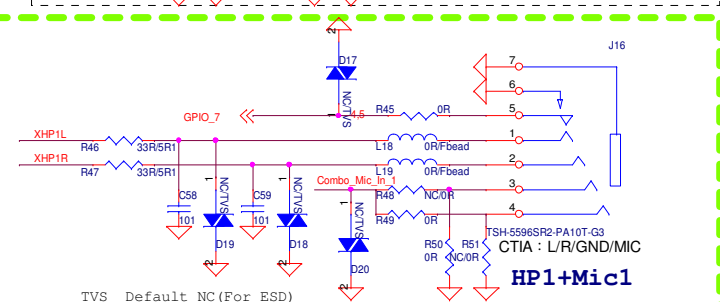
HP2



Bypass OP



ENCODER(VOLUME+/-)



HP1+Mic1

LED Closed circular the Encoder

