

1

2

3

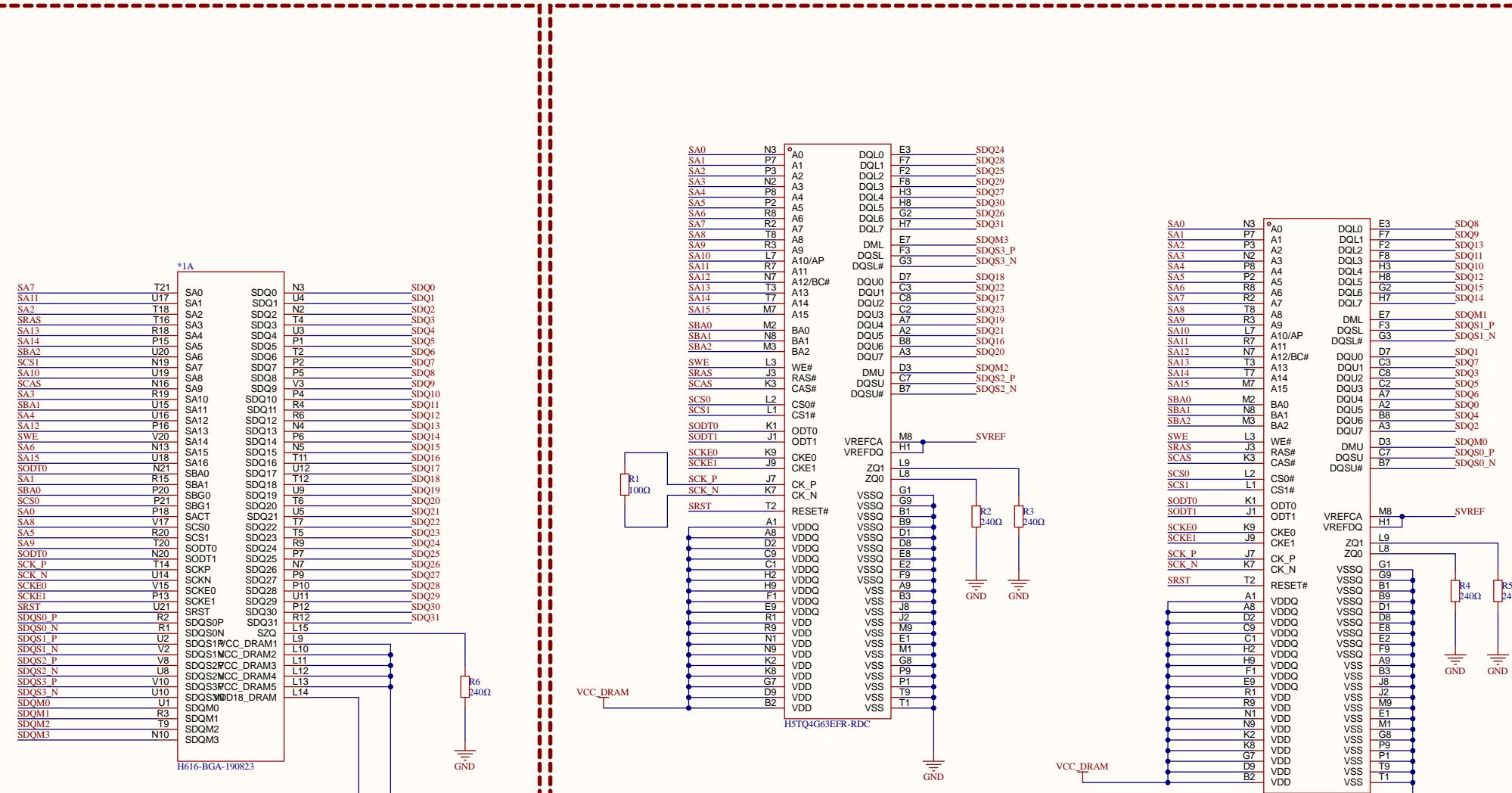
4

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4



SoC DDR

DDR3

The diagram illustrates the connections between several components. On the left, there are two red vertical bars labeled "OVERVIEW[2B]". Between them, a blue horizontal bar labeled "SoC_PWR[7C]" connects to a yellow box labeled "VCC_DRAM". To the right of the yellow box, a blue horizontal bar labeled "VDD_1V8" connects to another yellow box labeled "VDD_1V8". Below the "VCC_DRAM" box, a blue horizontal bar labeled "SoC_Connector[4C]" connects to a blue horizontal bar labeled "SoC_PWR[7D]".

Title		
Size	Number	Revision
A3		
Date:	1/27/2026	Sheet of
File:	C:\mytempo\SoC_DDR_SchDoc	Drawn By:

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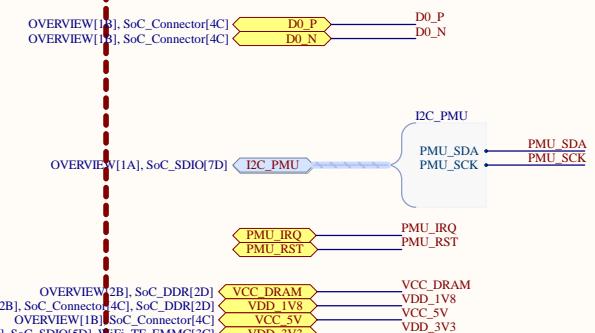
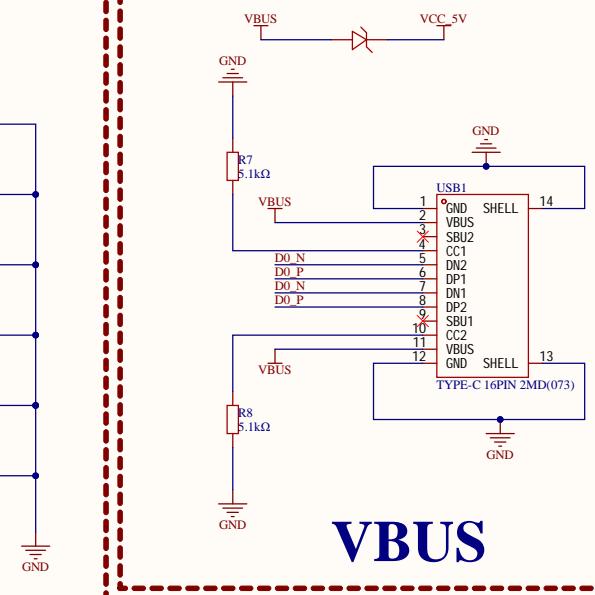
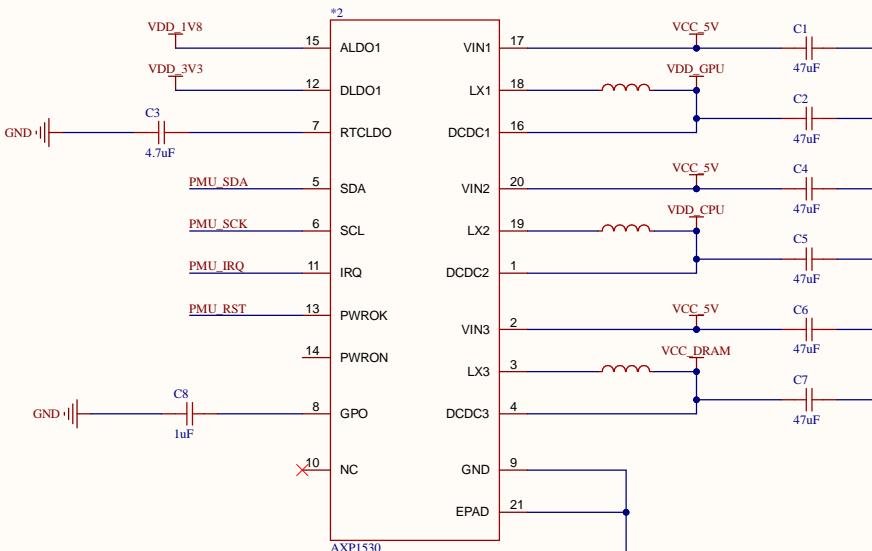
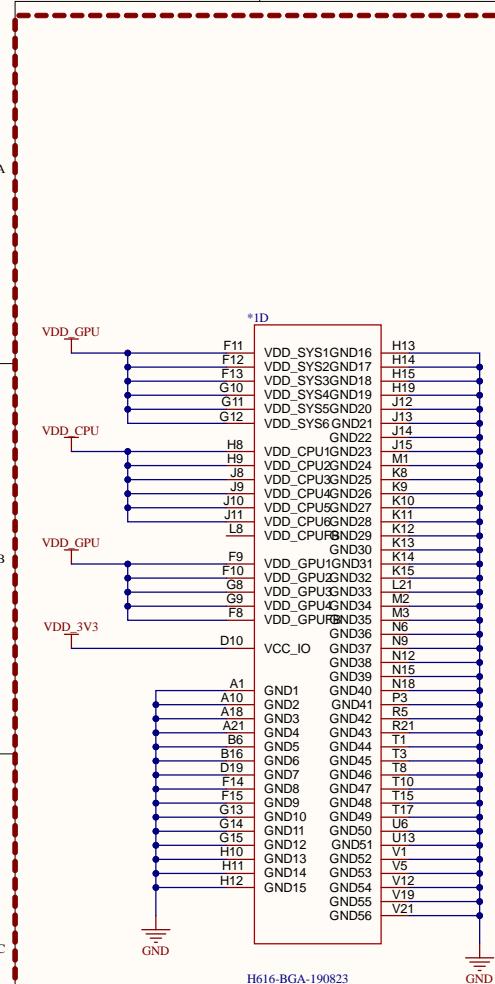
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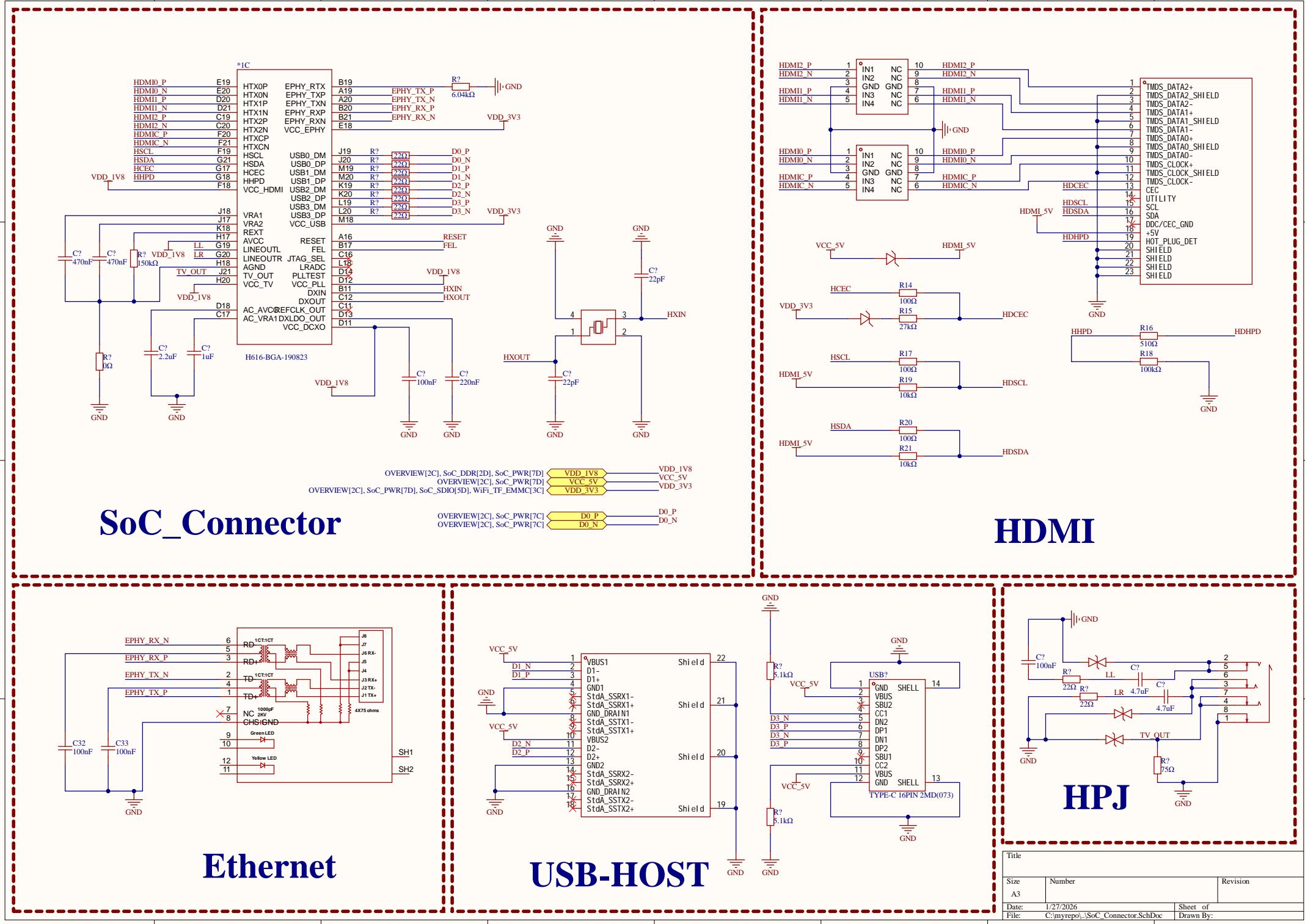
8

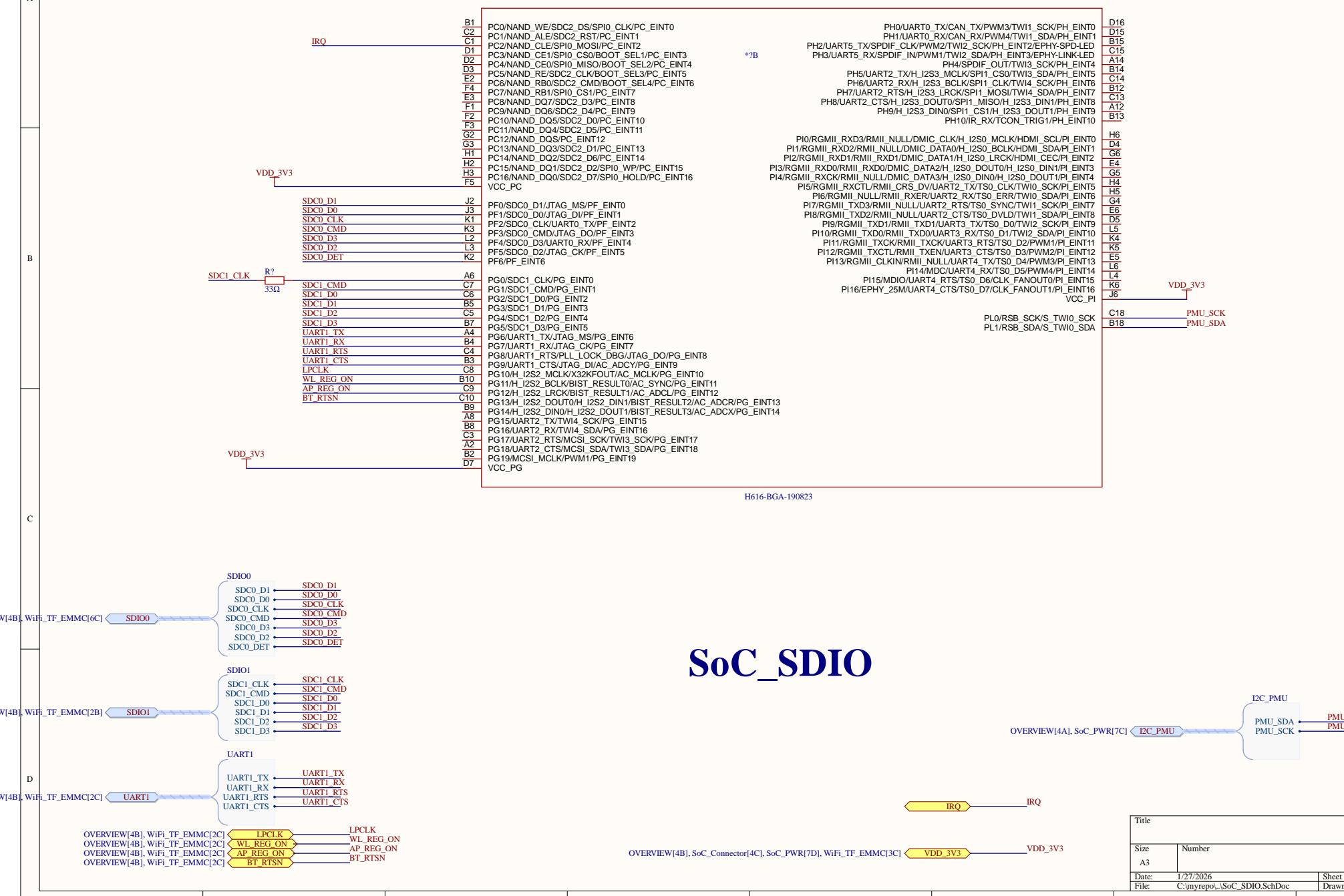


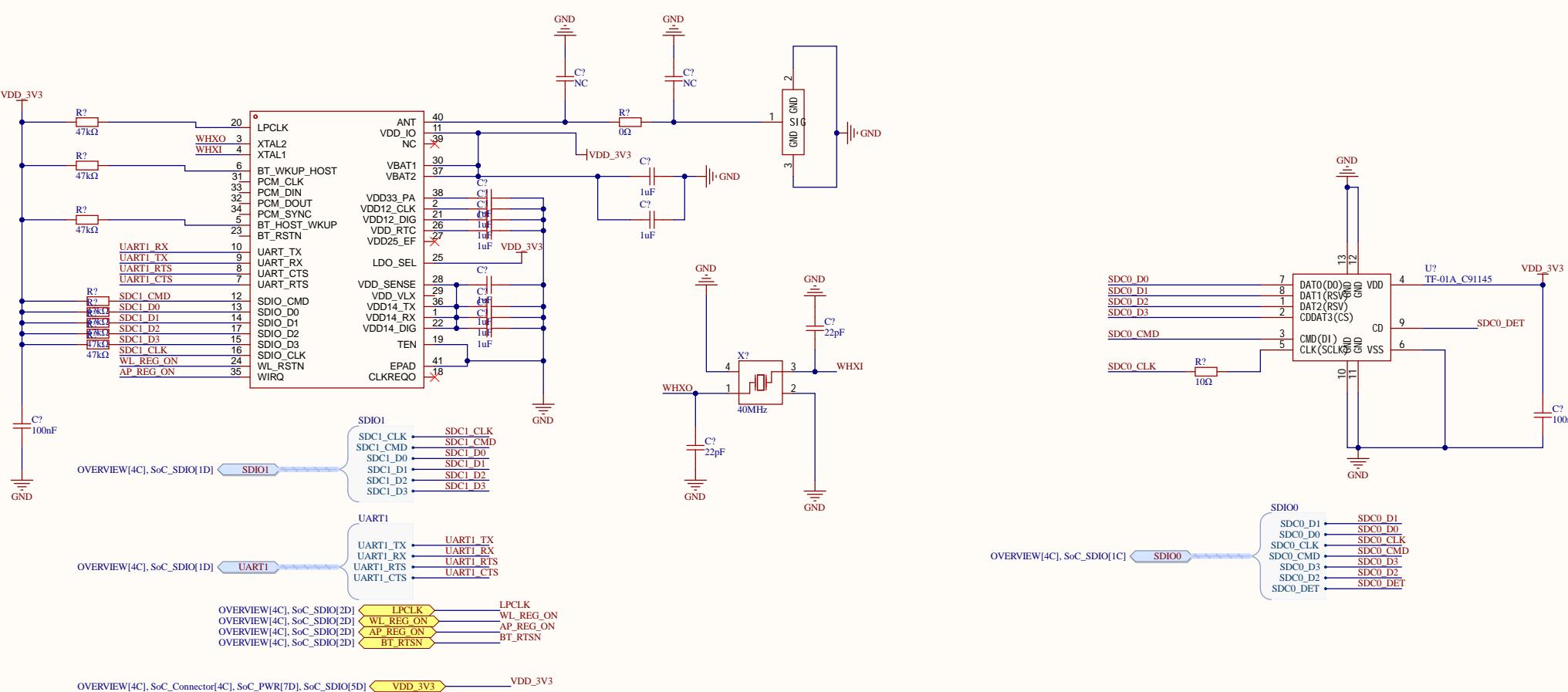
Title		
Size	Number	Revision
A3		
Date: 1/27/2026	Sheet of	
File: C:/myrepo.../SoC_PWR.SchDoc		Drawn By:

SoC_PWR

PMIC



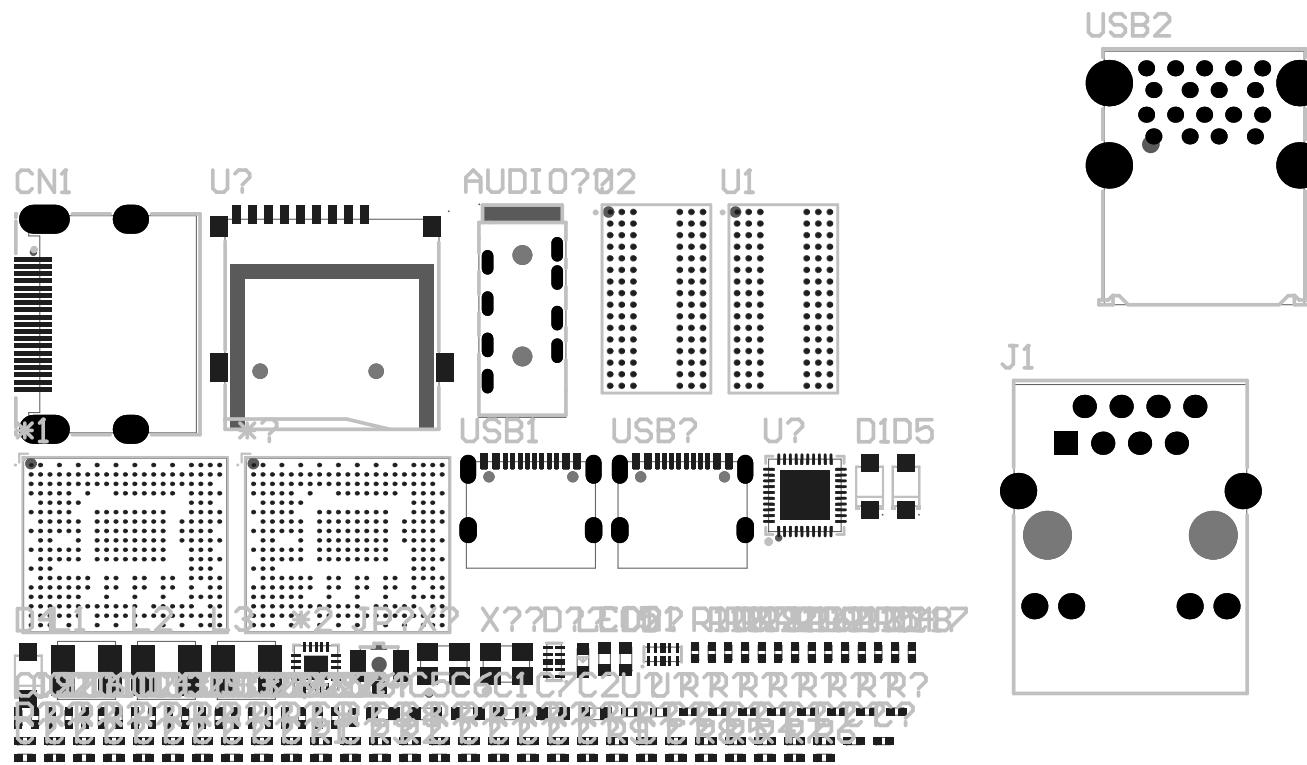




Wi-Fi

TF

Title		
Size	Number	Revision
A3		
Date:	1/27/2026	Sheet of
File:	C:\myrepo\..\WiFi_TF_EMMC.SchDoc	Drawn By:



Comment	Description	Designator	Location	Unit(s)	Quantity
	16-BGA_190823	Allwinner Helite 16	*1	PLCC-14-DW2	1
			PLCC-14-DW2	16-BGA_190823	1
KXP1530	AM131A	C2	SMT_20_3.05_W.L.	AM1530	1
KT-3930-BK	3mmx3mm	BUDDYKIT	AUDIO_TFLP7-2900	KT-3930-BK	1
4.7uf	ESL 224X X5R 2225	C1, C4, C5, C6, C7	CML-224X-X5R-2225	4.7uf	1
4.7uf	ESL 224X X5R 2225	C3, C7	CML-224X-X5R-2225	4.7uf	1
	ESL 224X X5R 2225	C6	CML-224X-X5R-2225	4.7uf	1
IuF	ESL 1uf X5R 10%	C8, C7	CML-224X-X5R-2225	IuF	12
	ESL 1uf X5R 10%	C402	CML-224X-X5R-2225	IuF	12
100nf	ESL 100nF XTR ±10%	C23, C24, C25, C26	CML-224X-X5R-2225	100nf	27
	ESL 100nF XTR ±10%	C27, C28, C29, C30	CML-224X-X5R-2225	100nf	27
22uf	ESL 22uf X5R ±20%	C15, C21	CML-224X-X5R-2225	22uf	1
2.2uf	ESL 2.2uf NP0 ±40%	C27	CML-224X-X5R-2225	2.2uf	1
	ESL 2.2uf NP0 ±40%	C28	CML-224X-X5R-2225	2.2uf	1
NC	ESL 0.005 ±5%	C7	CML-224X-X5R-2225	0.005f	1
	ESL Ceramic Capacitors	C7	CML-224X-X5R-2225	0.005f	1
KT-HDMI-19P-Cu	HDMI-A+D-M 19P	CN1	HDMI-SMD_XH1-HDMI	KT-HDMI-19P-Cu	1
DS504	电容-40V 20mA 2A	D1, D4, D5	SOC_120R_L2-7W-1W	DS504	1
KT-Camp02PA1C	5V 2A 90% F95	D1, D77	U2/50MPC-12-5.0-W	KT-Camp02PA1C	1
8901105A_C10104	连接器-弯式	PCB	8901105A_C10104	8901105A_C10104	1
64Gb	PC	PCB	8901105A_C10104	8901105A_C10104	1
IuH	4.15A 1xH 20%	I1, I2, I3	IND_SMD_L4-D-W4H	SW4020S180NST	1
	100mA 3.0A 4mm²				1
KT-0608	0.05A 2.0V 1.0W	ED1	ED00603-BL	KT-0608	1
4.04D	ESL 0.2 Smal 50V	I1, I2, I3, I4, I5, I6	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I7, I8, I9, I10, I11, I12	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I13, I14, I15, I16, I17	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I18, I19, I20, I21, I22	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I23, I24, I25, I26, I27	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I28, I29, I30, I31, I32	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I33, I34, I35, I36, I37	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I38, I39, I40, I41, I42	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I43, I44, I45, I46, I47	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I48, I49, I50, I51, I52	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I53, I54, I55, I56, I57	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I58, I59, I60, I61, I62	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I63, I64, I65, I66, I67	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I68, I69, I70, I71, I72	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I73, I74, I75, I76, I77	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I78, I79, I80, I81, I82	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I83, I84, I85, I86	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I87, I88, I89, I90	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I91, I92, I93, I94	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I95, I96, I97, I98	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I107, I108, I109, I110	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I111, I112, I113, I114	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I183, I184, I185, I186	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I399, I400, I401, I402	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I443, I444, I445, I446	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I451, I452, I453, I454	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I455, I456, I457, I458	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I459, I460, I461, I462	ESL 0.2 Smal 50V	4.04D	1
	ESL 0.2 Smal 50V	I463, I464, I465, I466	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I471, I472, I473, I474	ESL 0.2 Smal 50V	4.04D	1
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	ESL 0.2 Smal 50V	I479, I480, I481, I482	ESL 0.2 Smal 50V	4.04D	1
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