

AP6275S 13x15mm SDIO I/F modules_General Spec.

Module	Wi-Fi IF	BT IF	Audio	Wi-Fi Spec.	BT Spec.	Ref Clock	VDDIO	RF Port
AP6275S	SDIO 2.0/3.0	UART	PCM	2.4/5GHz A/B/G/N/AC/AX	5.0	37.4MHz	1.8V	2
AP6275SR3	SDIO 2.0/3.0	UART	PCM	2.4/5GHz A/B/G/N/AC/AX	5.0	37.4MHz	1.8V	3

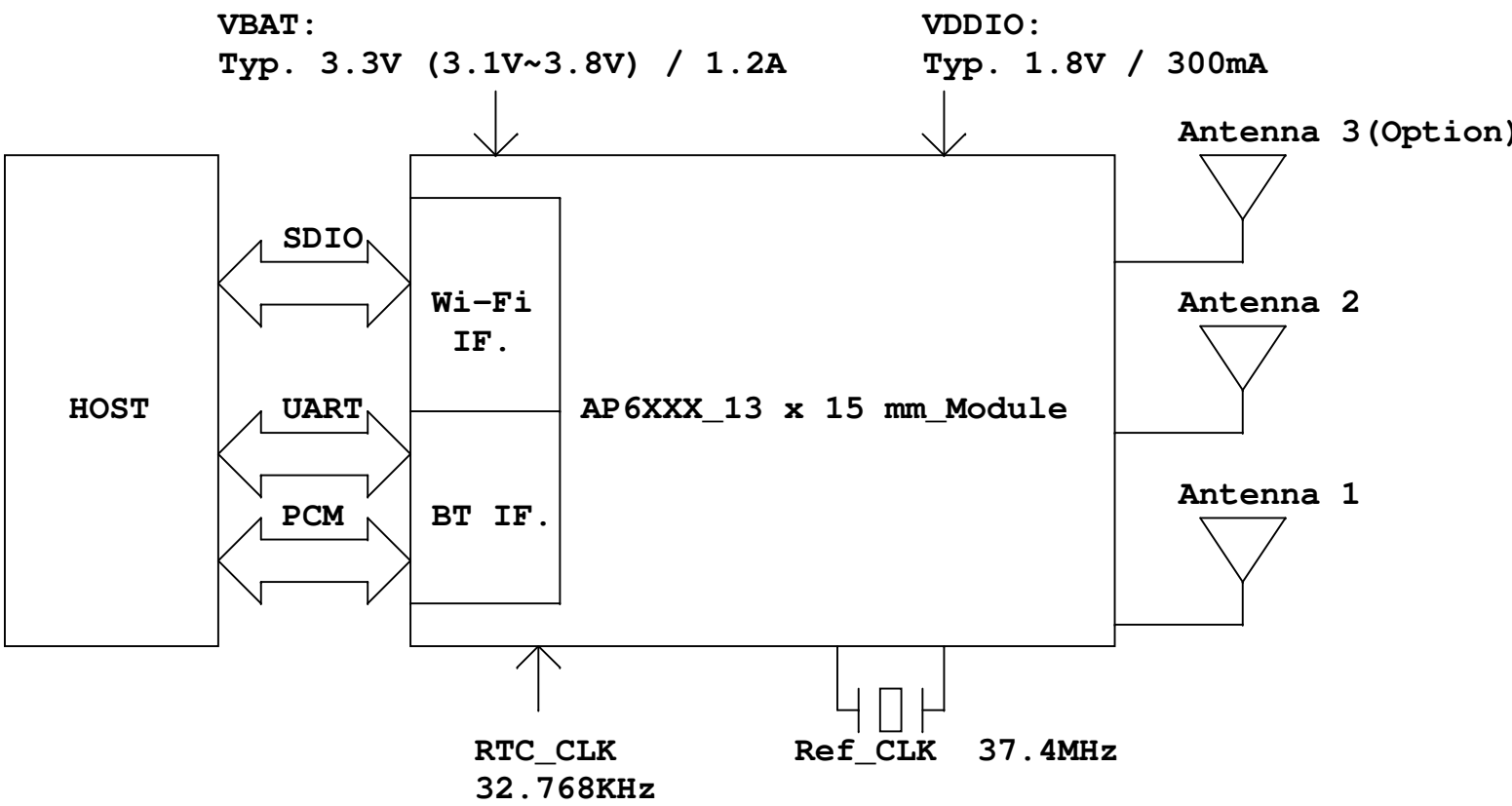
AP6275S_13x15mm_modules_Ref. Design_Key Component Spec.

X'tal Spec.(Y3)	
37.4MHz	Part Number : Hosonic E1AB37.4000F18G11 Operation Freq. : 37.4MHz Freq. Tolerance : -10 to +10ppm (25℃ +/- 3℃) Operation Temp. : -30 to +85℃ Freq. Stability : -10 to +10ppm Load Cap. : 18pF Size : 2.0mm x 1.6mm

Power Inductor Spec.(L5 & L101)	
2.2uH	Part Number : Murata DFE201208S-2R2M=P2 Nominal Value : 2.2uH Tolerance : +/-20% DC Resistance : 204 mΩ(max.) Rated Current based on : 1.8A(max.) Inductance Change Rated Current based on : 1.4A(max.) Temperature Change

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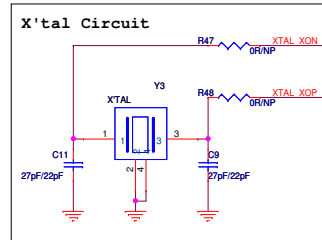
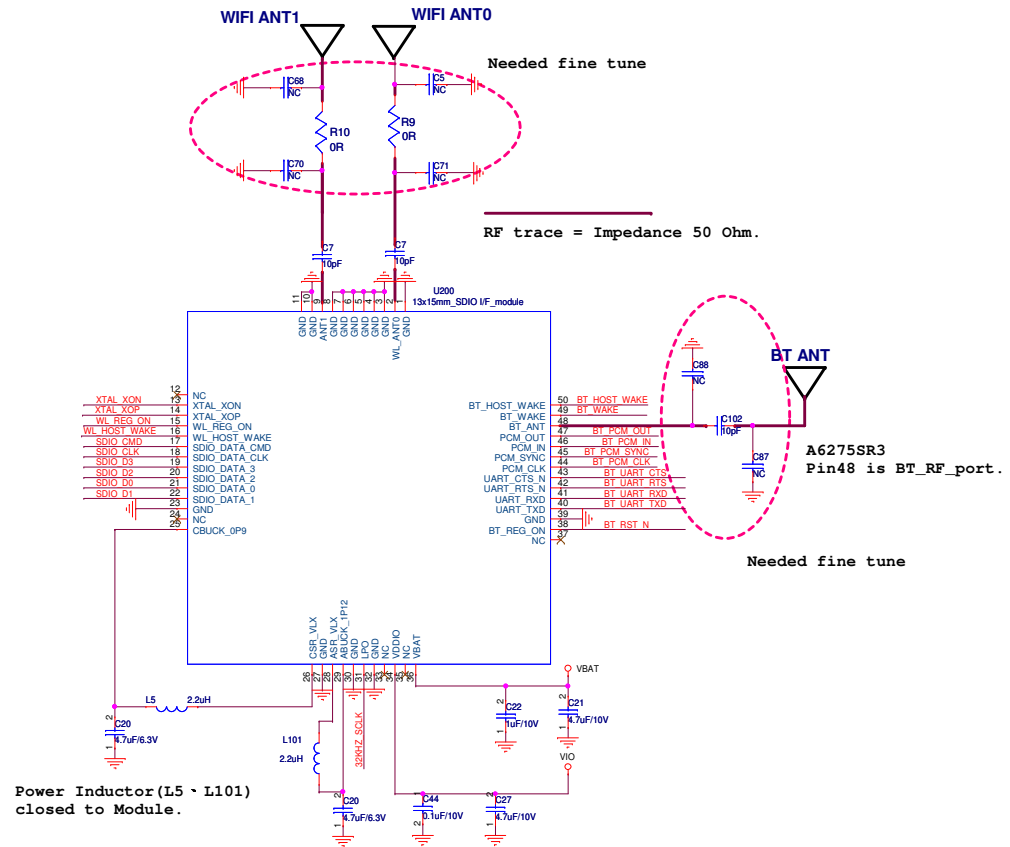
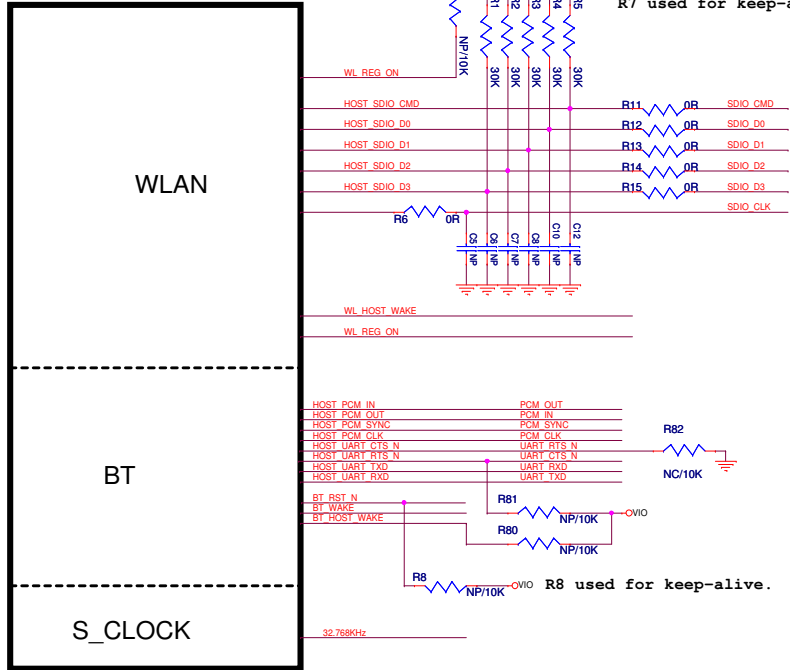
AP6275S_13x15 mm_SDIO I/F_Module_Block Diagram



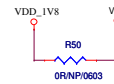
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Pin2Pin Reference Design Circuit

Connected to HOST I/O



AP6275S & AP6275SR3
VDDIO = 1.8V only

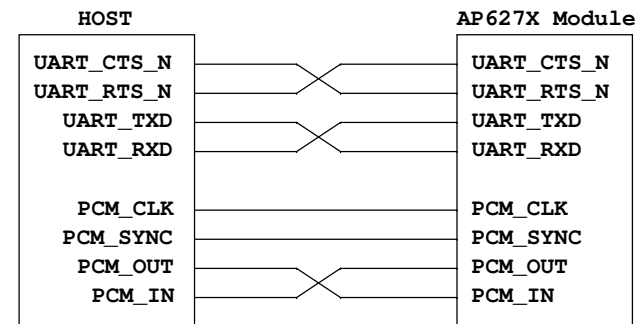


X'TAL(Y3) circuit reference number

	C11	C9	R47	R48
37.4MHz CL=18pF	22pF	22pF	0 ohm	0 ohm

C11、C9R、R47、R48 needed fine tune.
Please check with the X'tal vendor support.

UART & PCM interface conection diagram



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Size: c	File:	Sheet: 4	of 4
Directory: <design name>		Rev: 1.4	
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