

Notification about the transfer of the semiconductor business

The semiconductor business of Panasonic Corporation was transferred on September 1, 2020 to Nuvoton Technology Corporation (hereinafter referred to as "Nuvoton"). Accordingly, Panasonic Semiconductor Solutions Co., Ltd. became under the umbrella of the Nuvoton Group, with the new name of Nuvoton Technology Corporation Japan (hereinafter referred to as "NTCJ").

In accordance with this transfer, semiconductor products will be handled as NTCJ-made products after September 1, 2020. However, such products will be continuously sold through Panasonic Corporation.

Publisher of this Document is NTCJ.

If you would find description "Panasonic" or "Panasonic semiconductor solutions", please replace it with NTCJ.

※ Except below description page

"Request for your special attention and precautions in using the technical information and semiconductors described in this book"

Nuvoton Technology Corporation Japan

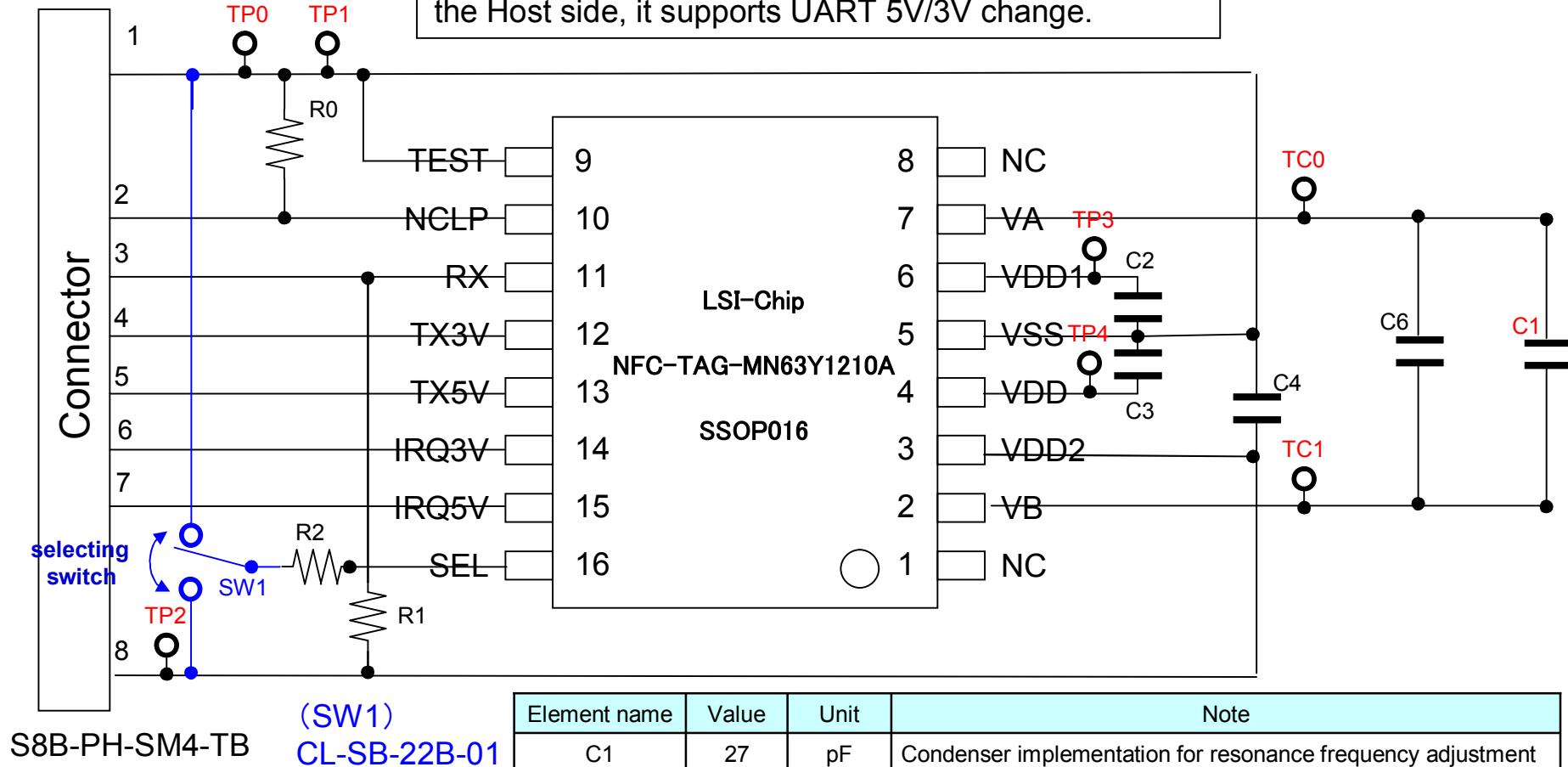
Evaluation board circuit diagram
and implementation
< MN63Y1210A >

Ver 1.1

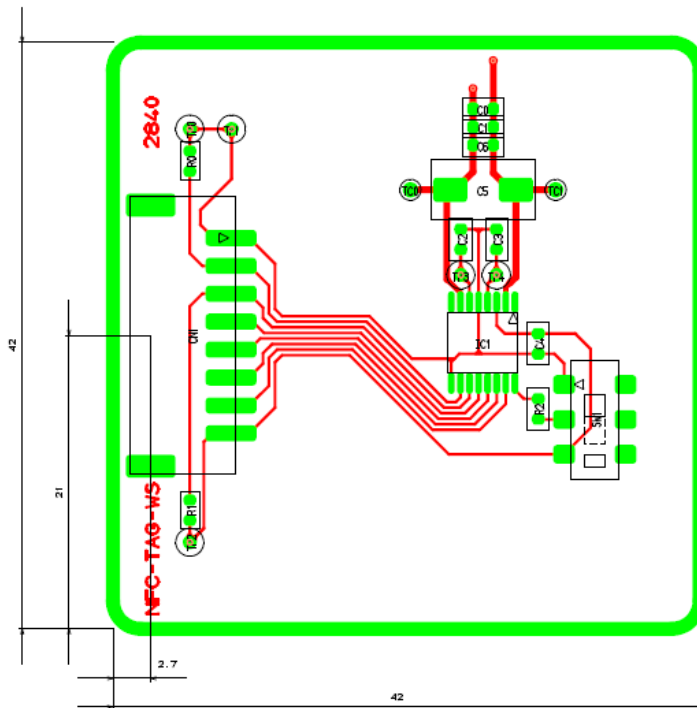
2013/10/21

Automotive & Industrial Systems Company
Panasonic Corporation

When I perform 5V/3V change with a main board of the Host side, it supports UART 5V/3V change.



Pattern drawing



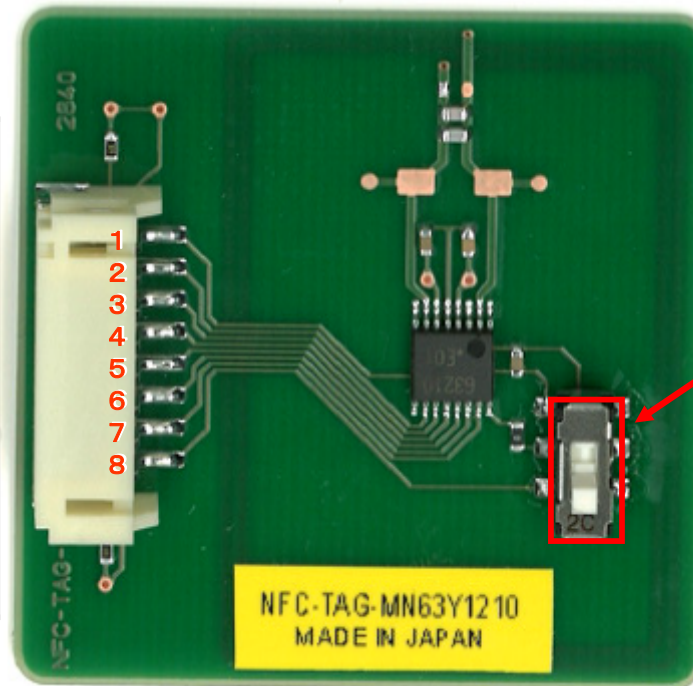
Parts list

No	Part Number	Manufacturer	Parameter	Tolerance	Rated V/ W	LxW [mm]	
IC1	NFC-TAG-MN63Y1210A	Panasonic	—	—	4.6V	6.4x5	
CN1	S8B-PH-SM4-TB	JST	—	—	100V	19.9x8.6	
TP0	Unconnected Pin	—	—	—	—	—	
TP1	Unconnected Pin	—	—	—	—	—	
TP2	Unconnected Pin	—	—	—	—	—	
TP3	Unconnected Pin	—	—	—	—	—	
TP4	Unconnected Pin	—	—	—	—	—	
R0	RK73B1JTTD104J	KOA	100k Ω	$\pm 5\%$	0.1W	1.6x0.8	
R1	RK73B1JTTD104J	KOA	100k Ω	$\pm 5\%$	0.1W	1.6x0.8	
R 2	UART	RK73Z1JTTD	KOA	0~50m Ω	—	0.1W	1.6x0.8
	CLK synchronous	Unconnected Pin	—	—	—	—	—
R 3	UART	Unconnected Pin	—	—	—	—	—
	CLK synchronous	RK73Z1JTTD	KOA	0~50m Ω	—	0.1W	1.6x0.8
C0	—	—	—	—	—	—	
C1	—	—	—	—	—	—	
C2	GRM188R71E104KA01D	Murata	0.1 μ F	$\pm 10\%$	25V	1.6x0.8	
C3	GRM188R71H103KA01D	Murata	0.01 μ F	$\pm 10\%$	25V	1.6x0.8	
C4	GRM188R71E104KA01D	Murata	0.1 μ F	$\pm 10\%$	25V	1.6x0.8	
C6	GRM1885C1H331JA01D	Murata	330pF	$\pm 5\%$	50V	1.6x0.8	

The change with the expression, please reach with a switch in UART and the CLK same period.

After having changed it, please carry out an initialization of the smartphone side.

Pin Number	Terminal Name
1	VSS
2	NCLP
3	RX
4	TX3V
5	TX5V
6	IRQ3V
7	IRQ5V
8	VDD2

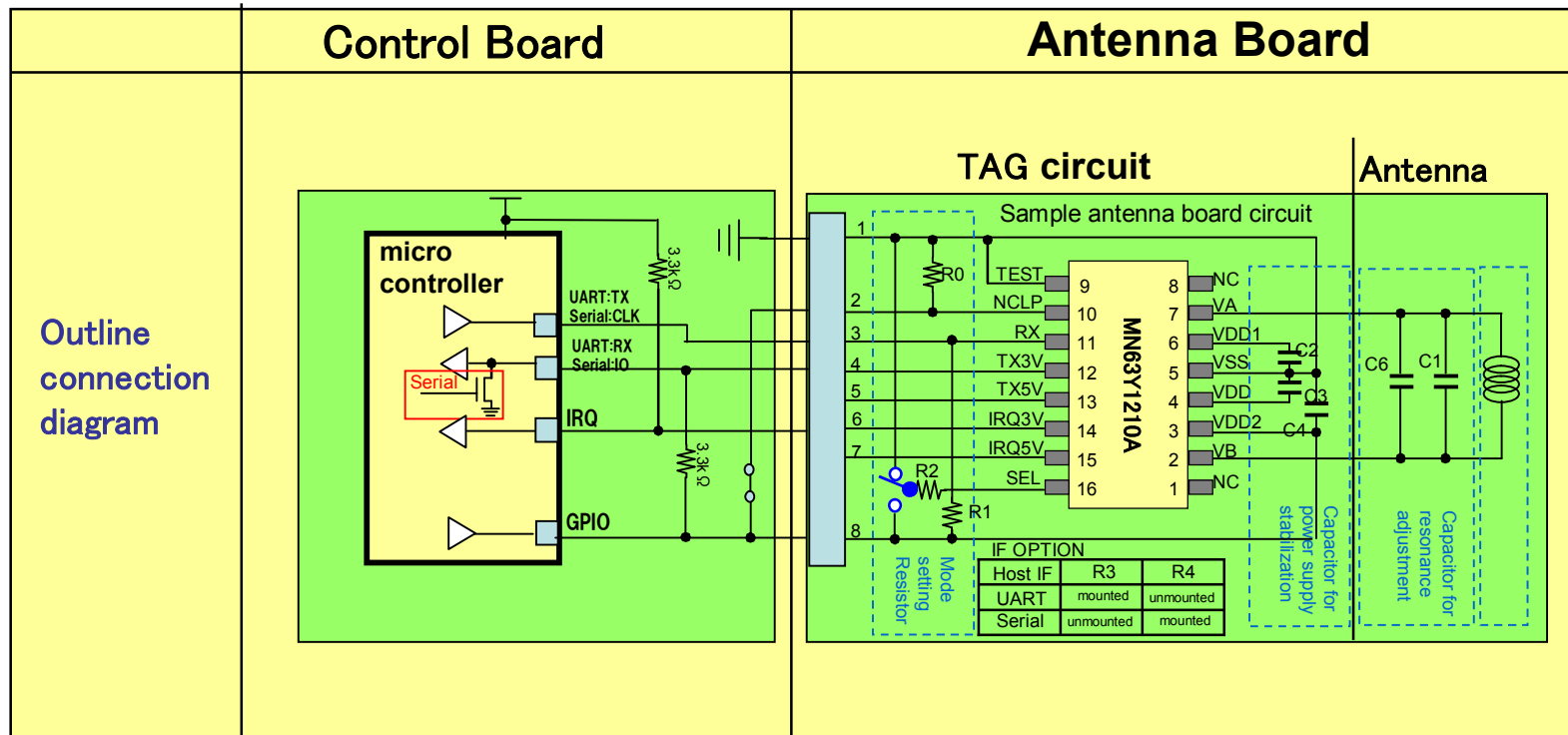
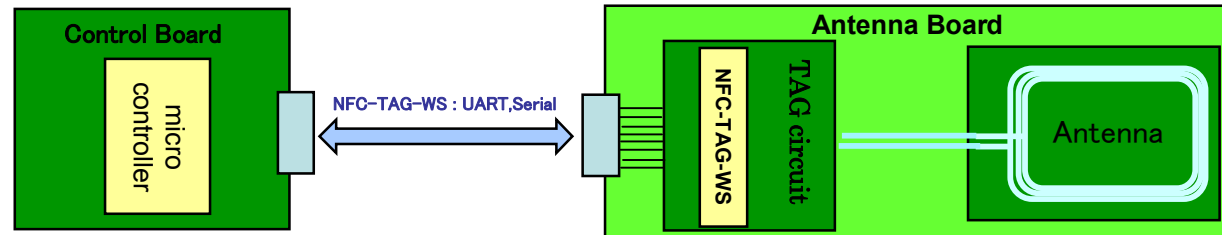


selector switch

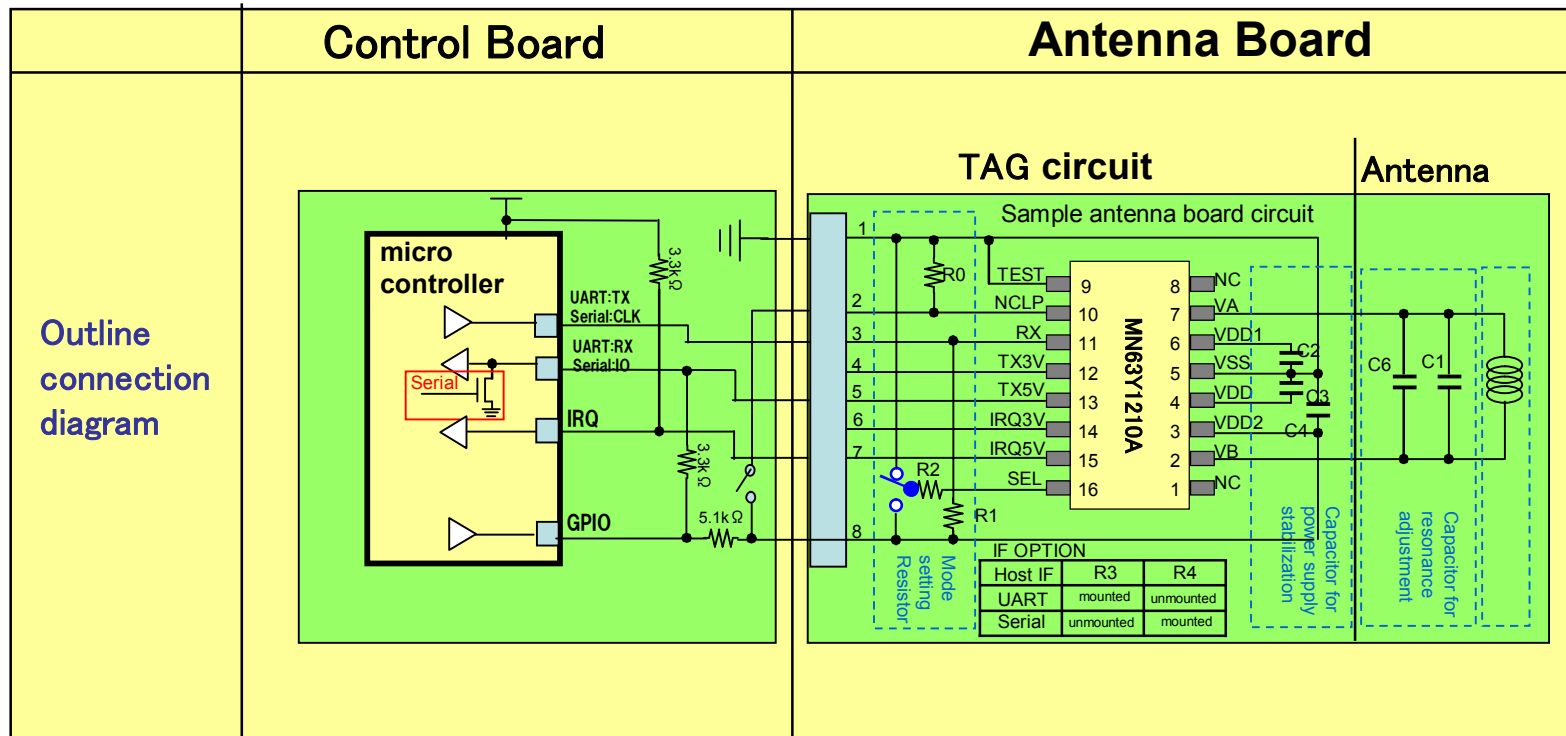
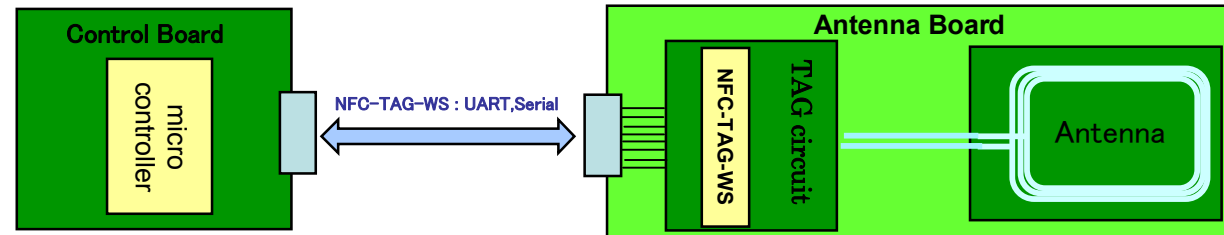
Upper : UART

Under : CLK synchronization type
(Default)

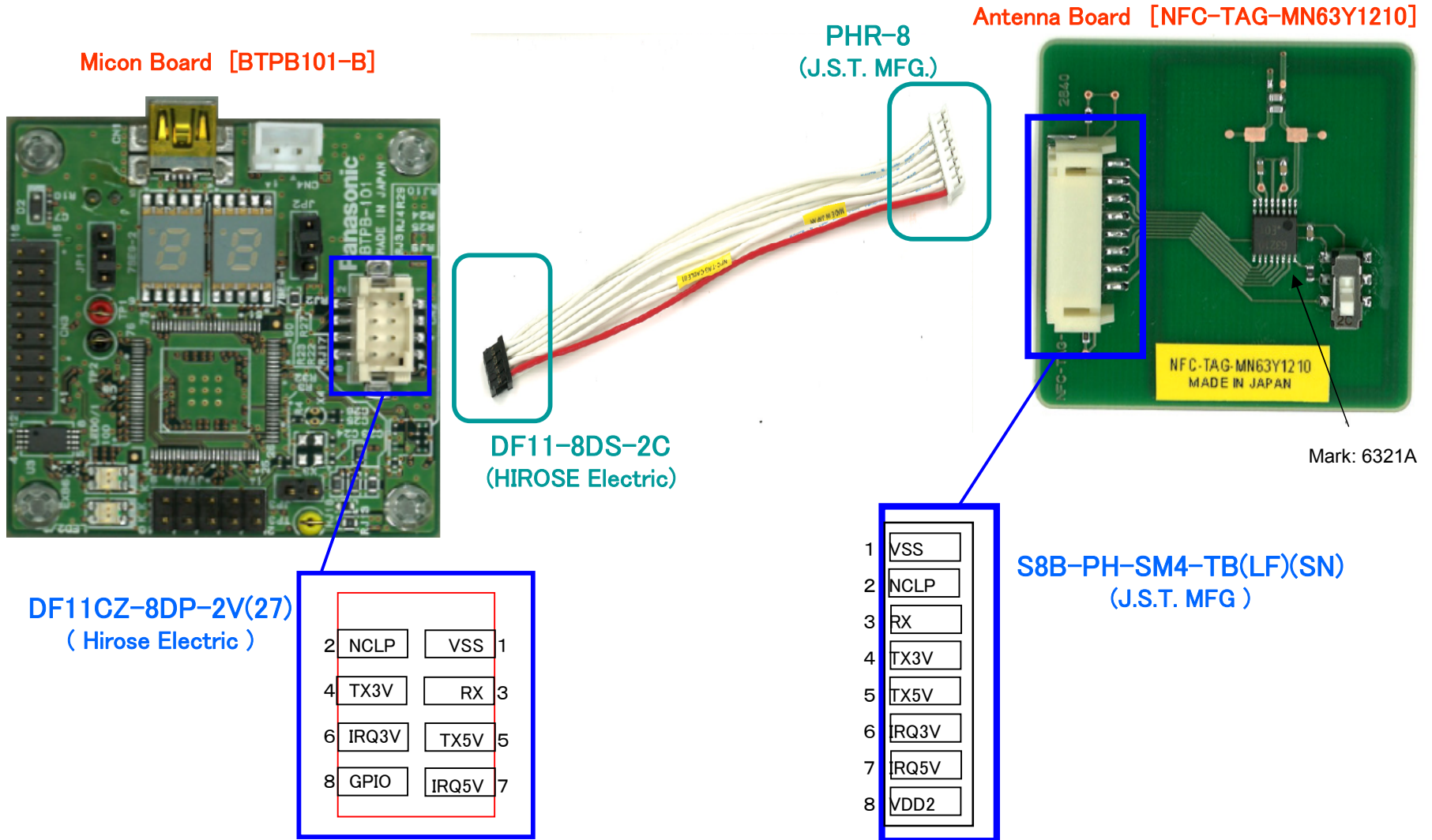
Connection example with MCU board for 3.3V



Connection example with MCU board for 5V



Connector specifications



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