variant_NUCLEO_F446ZE.cpp const PinName digitalPin[] = {		Do Not Use	Rx	Tx	SPI/other	CS	En Flt IO	Signal	Brake	notes	Track A	Track B	Track C	Track D	Track E	Track F	Track G	Track H	Track 9	Track 10	D0/D1 UART6	D52/D53 U-2	D47/D48 U-5	Nrf24	Ethernet	SDA SCL	Open	
F446ZE		128	64	32	16	8	4	2	1	2023-09-23																		
PG_9, //D0	0		1																		0							
PG_14, //D1	1			1																	1							
PF_15, //D2	2						1																				2	
PE_13, //D3	3						1			pwm1/3									3									
PF_14, //D4	4						1													4								
PE_11, //D5	5								1	pwm1/2		5																
PE_9, //D6	6								1	pwm1/1										6								
PF_13, //D7	7						1			no pwm									7									
PF_12, //D8	8						1			no pwm										8								
PD_15, //D9	9								1	pwm4/4									9									
PD_14, //D10	10								1	pwm4/3	10																	
PA_7, //D11/A10	11					1	1			F429ZI Ethernet conflict										11 8					11			
PA_6, //D12/A11	12					1		1		pwm2/1									12									
PA_5, //D13/A12	13					1		1		pwm3/1										13								
PB_9, //D14	14	1								SDA																14		
PB_8, //D15	15	1								SCL																15		
PC_6, //D16	16						1				16																	
PB_15, //D17	17				1					SPI2_MOSI														17				
PB_13, //D18	18						1																	PB13				
PB_12, //D19	19				1					SPI2_CS														19				
PA_15, //D20	20						1				20																	
PC_7, //D21	21							1		pwm3/2	21																	
PB_5, //D22	22						1					22																
PB_3, //D23	23							1		pwm2/2		23																
PA_4, //D24/A13	24					1					24 A13																	
PB_4, //D25	25						1					25																
PB_6, //D26	26						1						26															
PB_2, //D27	27						1						27															
PD_13, //D28	28								1	pwm4/2			28															
PD_12, //D29	29								1	pwm4/1				29														
PD_11, //D30	30						1							30														
PE_2, //D31	31						x																		?			31 change for v2
PA_0, //D32/A14	32					1												A14										
PB_0, //D33/A18 - LED_GREEN	33									? ?																	33	LED
PE_0, //D34	34						1									34												
PB_11, //D35	35							1		pwm2/4						35												
PB_10, //D36	36							1		pwm2/3					36													
PE_15, //D37	37						1									37												
PE_14, //D38	38								1	pwm1/4					38													
PE_12, //D39	39						1								39													
PE_10, //D40	40						1								40													
PE_7, //D41	41		1																								41	Tx7or5
PE_8, //D42	42			1																							42	Rx7or5
PC_8, //D43	43							1		pwm3/3			43															
PC_9, //D44	44							1		pwm3/4				44														
PC_10, //D45	45			1																							45	Tx4
PC_11, //D46	46		1																								46	Rx4
PC_12, //D47	47			1																			47					- RS485
PD_2, //D48	48		1																				48					- RS485
PG_2, //D49	49						1							49														49 use instead
PG_3, //D50	50						1																	50				50 of PE2
PD_7, //D51	51						1																51					- RS485
PD_6, //D52	52		1																			52						
PD_5, //D53	53			1																		53						
PD_4, //D54	54						1																	54				
PD_3, //D55	55				1					SPI2_SCK														55				
PE_2, //D56	56	1																										also D31 - fix in v2
PE_4, //D57	57						1										57											
PE_5, //D58	58								1	pwm9/1						58												
PE_6, //D59	59								1	pwm9/2							59											
PE_3, //D60	60						1										60											
PF_8, //D61/A15	61					1			1	pwm13/1								61										
PF_7, //D62/A16	62	1								pwm11/1 - DCC signal																		
PF_9, //D63/A17	63					1			1	pwm14/1														tim14				
PG_1, //D64	64							1		not pwm							64											
PG_0, //D65	65							1		not pwm								65										
PD_1, //D66	66						1											66										
PD_0, //D67	67						1											67										
PF_0, //D68	68	1								Clock ?																		
PF_1, //D69	69	1								Clock ?																		
PF_2, //D70	70						1																					
PA_7, //D71	71	1								NC																		also D11
NC, //D72	72	1								NC																		
PB_7, //D73 - LED_BLUE	73																											
PB_14, //D74 - LED_RED	74																											
PC_13, //D75 - USER_BTN	75																											

variant_NUCLEO_F446ZE.cpp

const PinName digitalPin[] = {

		Do Not Use	Rx	Tx	SPI/other	CS	En Flt IO	Signal	Brake	notes	Track A	Track B	Track C	Track D	Track E	Track F	Track G	Track H	Track 9	Track 10	D0/D1 UART6	D52/D53 U-2	D47/D48 U-5	Nrf24	Ethernet	SDA SCL	Open
PD_9, //D76 - Serial Rx	76																										
PD_8, //D77 - Serial Tx	77																										
PA_3, //D78/A0	78					1													A0								
PC_0, //D79/A1	79					1														A1							
PC_3, //D80/A2	80					1							A2														
PF_3, //D81/A3	81					1									A3												
PF_5, //D82/A4	82					1										A4											
PF_10, //D83/A5	83					1											A5										
PB_1, //D84/A6	84					1						A6															
PC_2, //D85/A7	85				1	1				SPI2_MISO														A7			
PF_4, //D86/A8	86					1								A8													
PF_6, //D87/A9	87					1																					
PA_1, //D88/A19	88					1																			PA1		
PA_2, //D89/A20	89					1																			PA2		
PA_8, //D90	90																										
PA_9, //D91	91																										
PA_10, //D92	92																										
PA_11, //D93	93																										
PA_12, //D94	94																										
PA_13, //D95	95																										
PA_14, //D96	96																										
PC_1, //D97/A21	97					1																			PC1		
PC_4, //D98/A22	98					1																			PC4		
PC_5, //D99/A23	99					1																			PC5		
PC_14, //D100	100																										
PC_15, //D101	101																										
PD_10, //D102	102																										
PE_1, //D103	103																										
PF_11, //D104	104																										
PG_4, //D105	105																										
PG_5, //D106	106																										
PG_6, //D107	107																										
PG_7, //D108	108																										
PG_8, //D109	109																										
PG_10, //D110	110																										
PG_11, //D111	111																								PG11		
PG_12, //D112	112																										
PG_13, //D113	113																								PG13		
PG_15, //D114	114																										
PH_0, //D115	115																										
PH_1 //D116	116																										
											5	5	5	5	5	5	5	5	5	6	2	2	3	6	11	2	6

RMII pins Table 11

PA1	RMII Reference Clock	-
PA2	RMII MDIO	-
PC1	RMII MDC	-
PA7	RMII RX Data Valid	D11
PC4	RMII RXD0	-
PC5	RMII RXD1	-
PG11	RMII TX Enable	-
PG13	RXII TXD0	-
PB13	RMII TXD1	I2S_A_CK