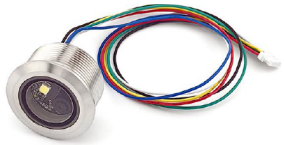
GM861



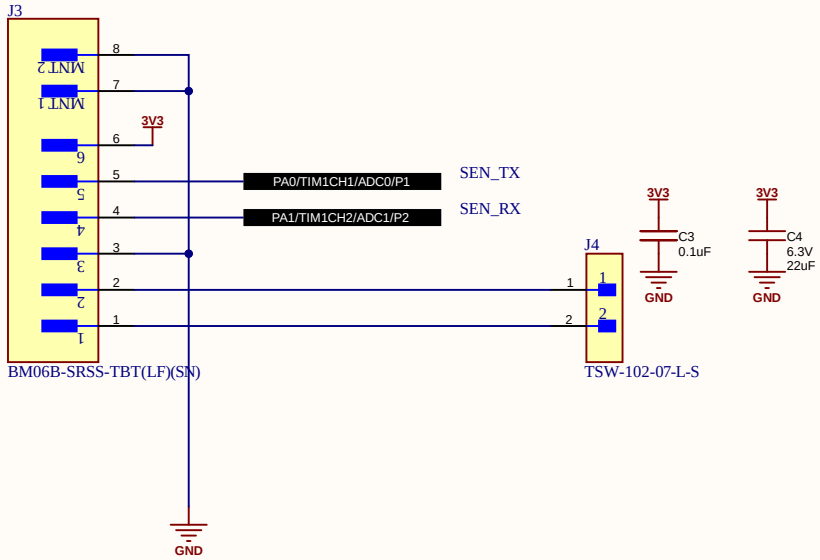
GM861-LED

Interface Definition (1.0mm 6pin)

No.	Definition	Instruction
1	VCC	Power input 3.3V
2	TXD	Serial port send signal (TTL Level)
3	RXD	Serial port receiver signal (TTL Level)
4	GND	Signal ground
5	D-	USB data input
6	D+	USB data output

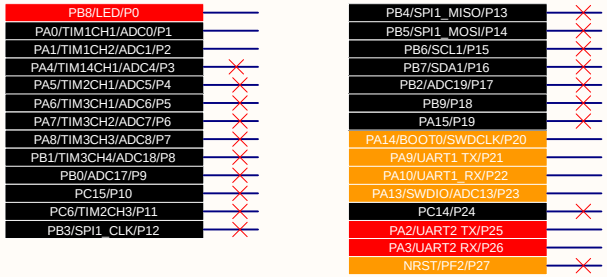
Note:

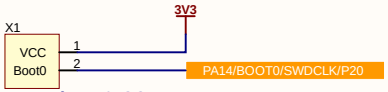
The line order has nothing to do with color.



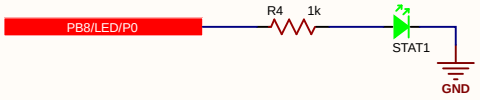
Title: *Barcode L1D2D*			
Part #: GDL-VIBCODEL12-A			
Revision: A	Date: 11/5/2025	Sheet 1 of 5	

©2025 GHI Electronics, LLC - Michigan, USA





DUELink Boot0 - 3.3V connector



FID1 Fiducial 40 Mil

FID2 Fiducial 40 Mil

FID3 Fiducial 40 Mil

FID4 Fiducial 40 Mil

FID5 Fiducial 40 Mil

FID6 Fiducial 40 Mil

Title: *MISC*			
Part #: N/A			
Revision: A	Date: 11/5/2025	Sheet 2 of 5	

©2025 GHI Electronics, LLC - Michigan, USA

Software Features:

ADC: P1, P2, P3, P4, P5, P6, P7, P8, P9, P17

Touch: Can be any pin but hardware need 100pF + 1Mohm

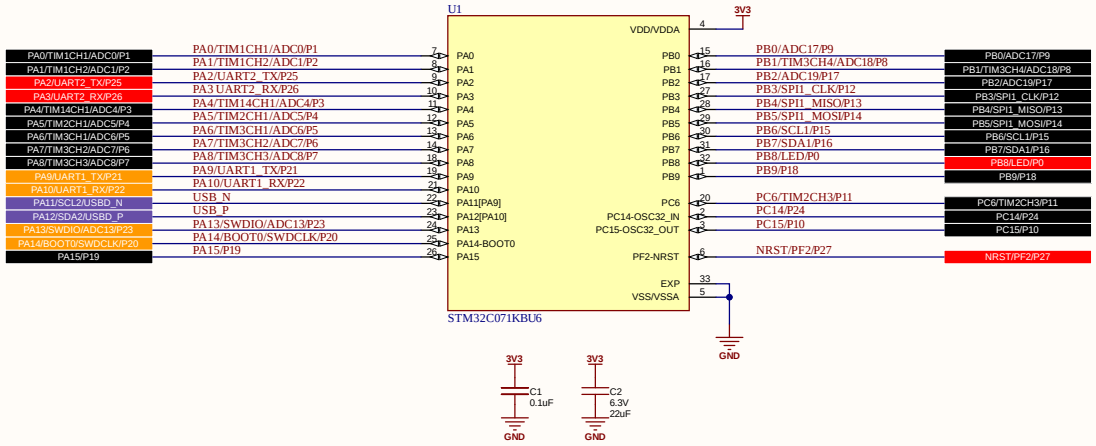
HW PWM: P1, P2, P3, P4, P5, P6, P7, P8, P11
* P1, P2: TIM1
* P3: TIM14
* P4, P11: TIM2
* P5,6,7,8: TIM3

SW UART: Pins 1 RX, 2 TX

Wakeup Pins: P1, P3

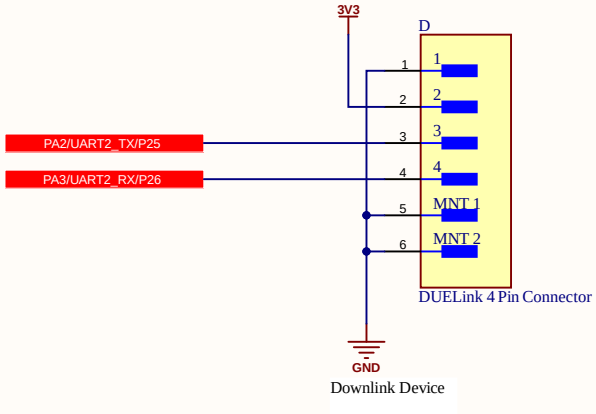
Interrupts on: P1, P2, P3, P4, P5, P6, P7, P12

UART1 is available when not used in Uplink



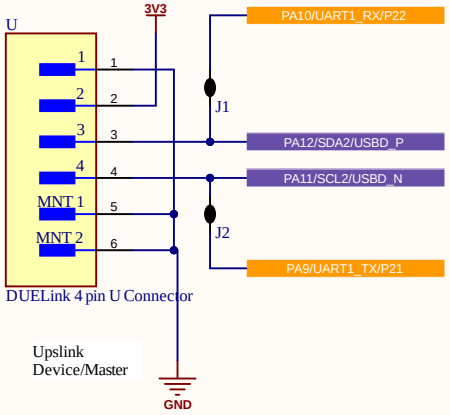
Title: DUELink MCU			
Part #: STM32071KBU6			
Revision: v14	Date: 11/5/2025	Sheet 3 of 5	

©2025 GHI Electronics, LLC - Michigan, USA



Title: *DUELink Downlink*			
Part #: N/A			
Revision: A	Date: 11/5/2025	Sheet 4 of 5	

©2025 GHI Electronics, LLC - Michigan, USA



Title: *DUELink Uplink*			
Part #: N/A			
Revision: A	Date: 11/5/2025	Sheet 5 of 5	

©2025 GHI Electronics, LLC - Michigan, USA