DRI-Light

8-digit LED-display Connector

GND	DIO	RCLK	SCLK	VCC
GND	SSIxTx	SSIxFss	SSIxClk	3V3
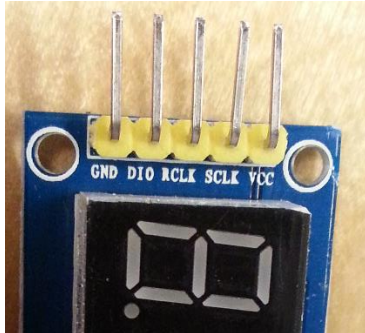
9-pin Linear Scale Connector

Pin	Signal
1	n. u.
2	GND
3	n. u.
4	Shield
5	n. u.
6	PhAx
7	5V
8	PhBx
9	IDXx

Pin	TTL Signal	Cable
1	—	—
2	0V	Orange
3	—	—
4	Gnd	Ground
5	—	—
6	A	Yellow
7	5V	Red
8	B	Green
9	R	Brown

LaunchPad Connections

3V3	1.01	3.01	5V	
	1.02	3.02	GND	
n. u.	1.03	3.03	SSI3Clk	
n. u.	1.04	3.04	SSI3Fss	
n. u.	1.05	3.05	(*)	
	1.06	3.06	SSI3Tx	
	1.07	3.07	n. u.	
	1.08	3.08	n. u.	
	1.09	3.09	n. u.	
	1.10	3.10	SSI1Tx	

SSI1Clk	4.01	2.01	GND	
SSI1Fss	4.02	2.02		
Button1	4.03	2.03		
IDX1	4.04	2.04	(*)	
PhA1	4.05	2.05	Reset	
PhB1	4.06	2.06		
Button0	4.07	2.07		
PhA0	4.08	2.08		
PhB0	4.09	2.09		
IDX0	4.10	2.10		

Note: Remove R9 and R10 from the LaunchPad!