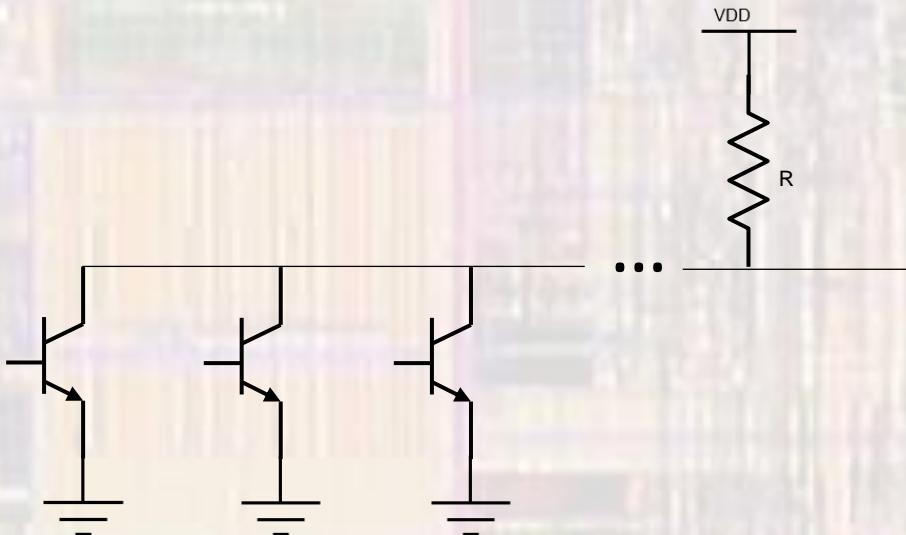


Interfaces Outputs

Last updated 5/2/22

Interfaces - Outputs

- Open Collector
 - Wired “nor”



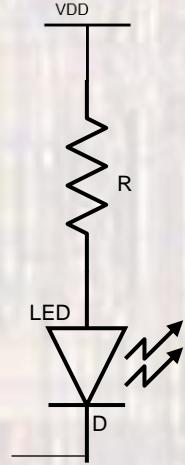
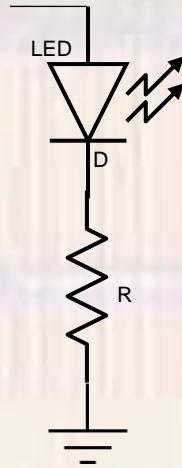
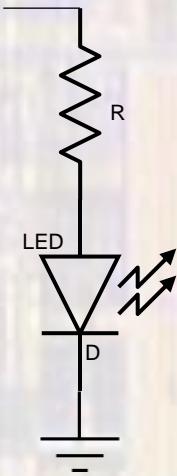
Interfaces - Outputs

- Open Drain
 - Wired “nor”
 - TWI / I2C



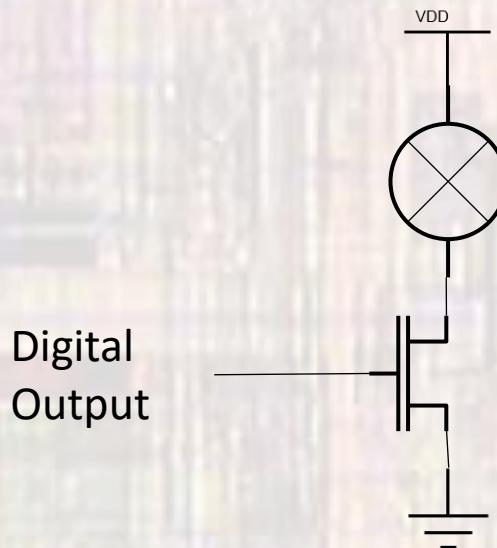
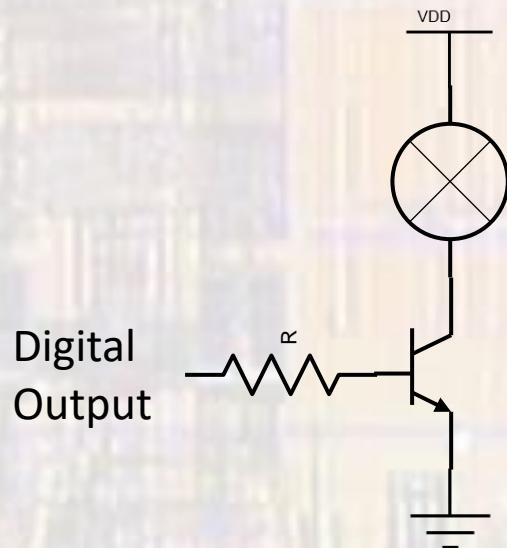
Interfaces - Outputs

- Basic LED Driver
 - Current limiting resistor



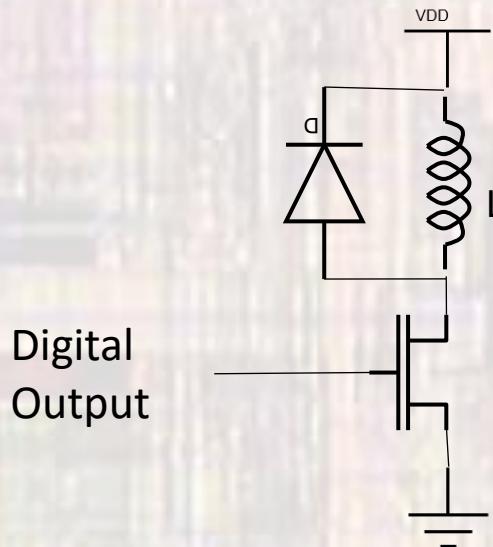
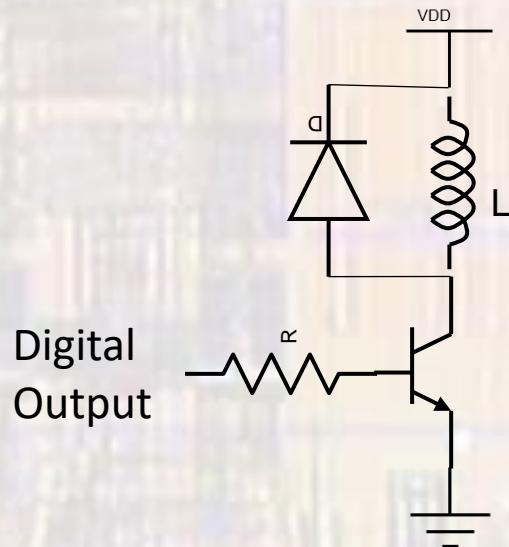
Interfaces - Outputs

- High Current Loads
 - Lamp
 - Current limiting not required



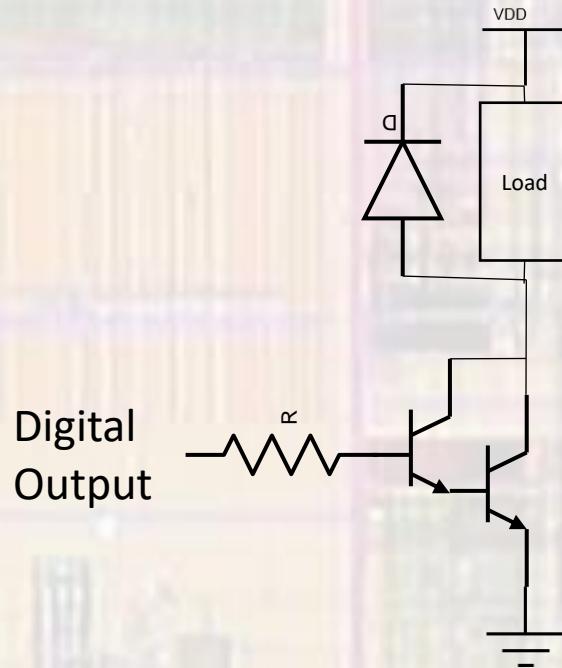
Interfaces - Outputs

- High Current Loads
 - Inductive Load
 - Motors, Solenoids, Relays
 - Flyback protection required



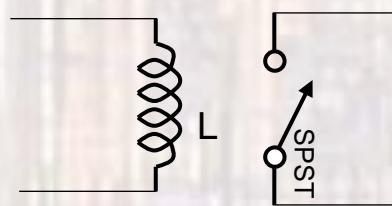
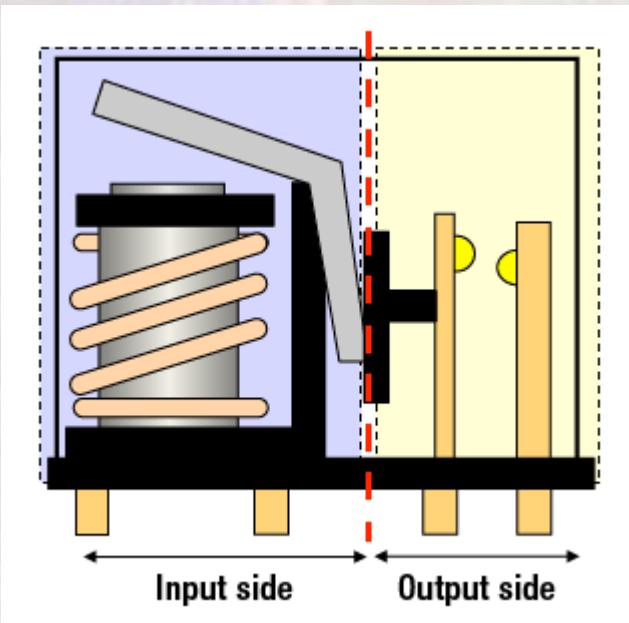
Interfaces - Outputs

- High Current Loads
 - High Gain



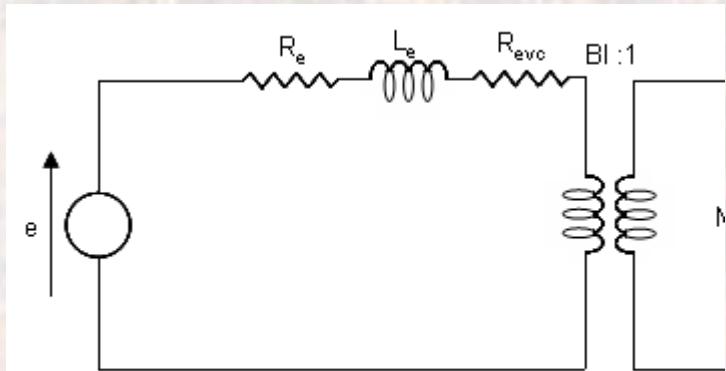
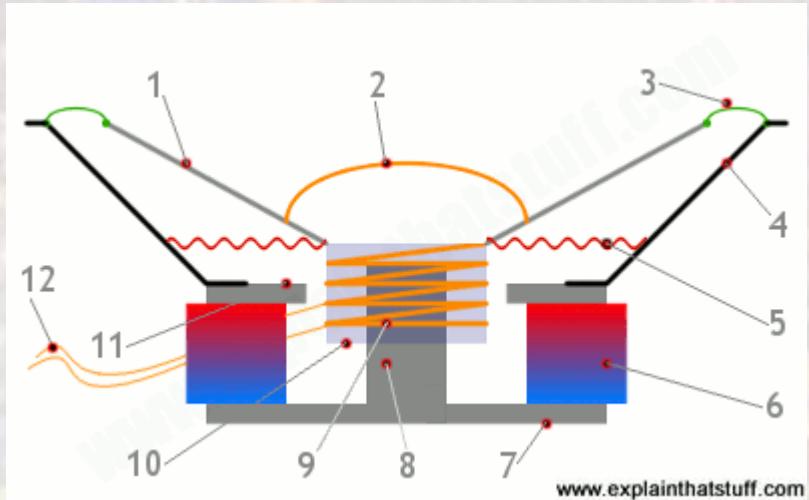
Interfaces - Outputs

- High Current Loads
 - Relay



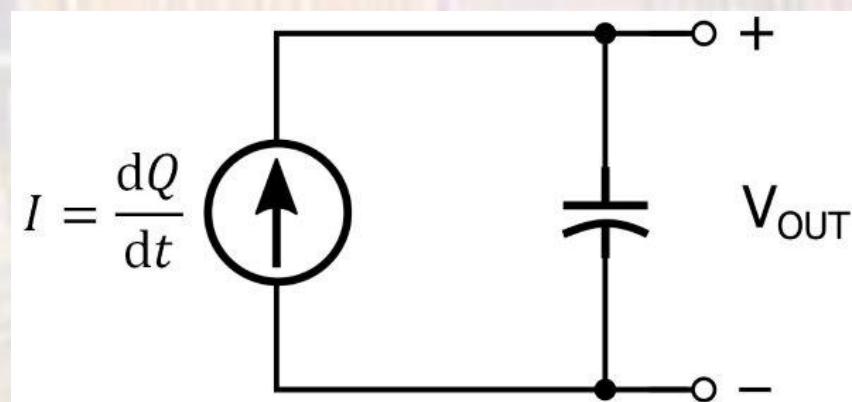
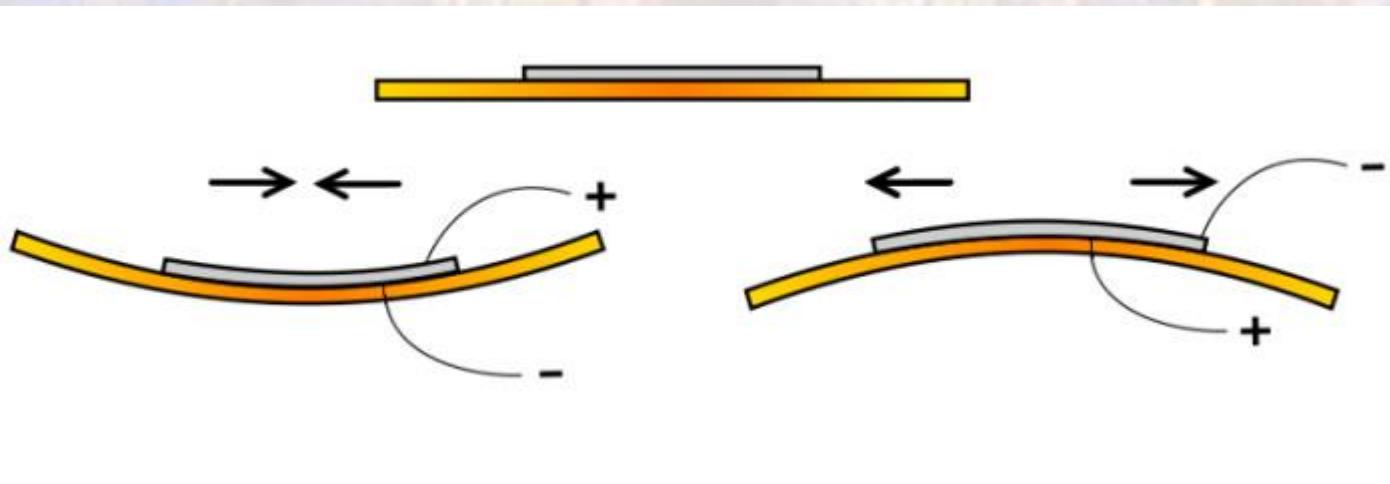
Interfaces - Outputs

- Speaker



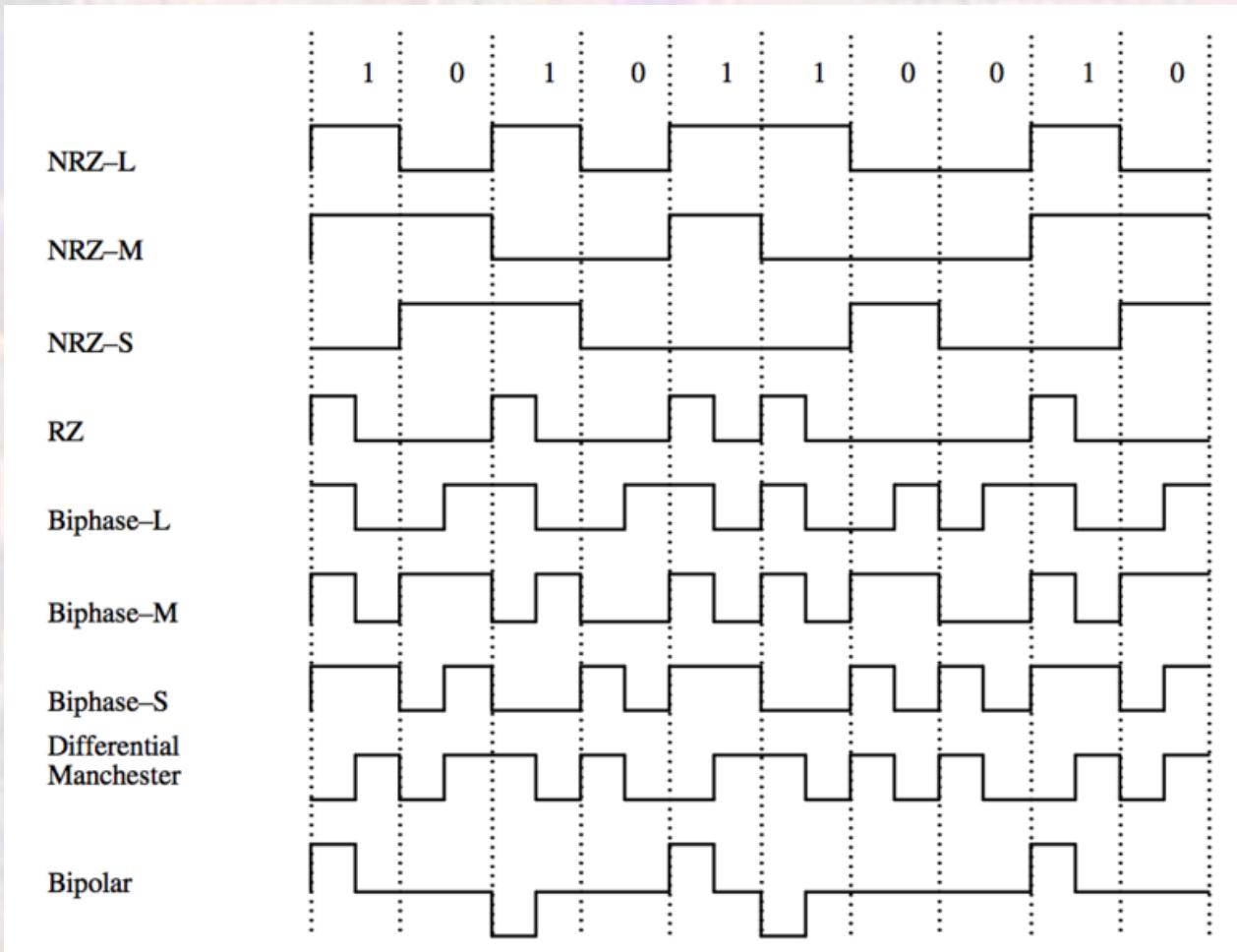
Interfaces - Outputs

- Speaker
 - Piezo-electric



Interfaces - Outputs

- Signal Encoding



Interfaces - Outputs

- Barcode

Example of a Code 39, Mod 10 barcode



31234000452154

3 1234 00045215 4

3 Type Indicator 1234 Location Code 00045215 Item or Patron Number 4 Check Digit

A	B	C	D	E	F	G	H	I	J	K	L
											
M	N	O	P	Q	R	S	T	U	V	W	X
											
Y	Z	0	1	2	3	4	5	6	7	8	9
											
[SPACE]	-	\$	%	.	/	+	*				
											

Interfaces - Outputs

- QR Code

