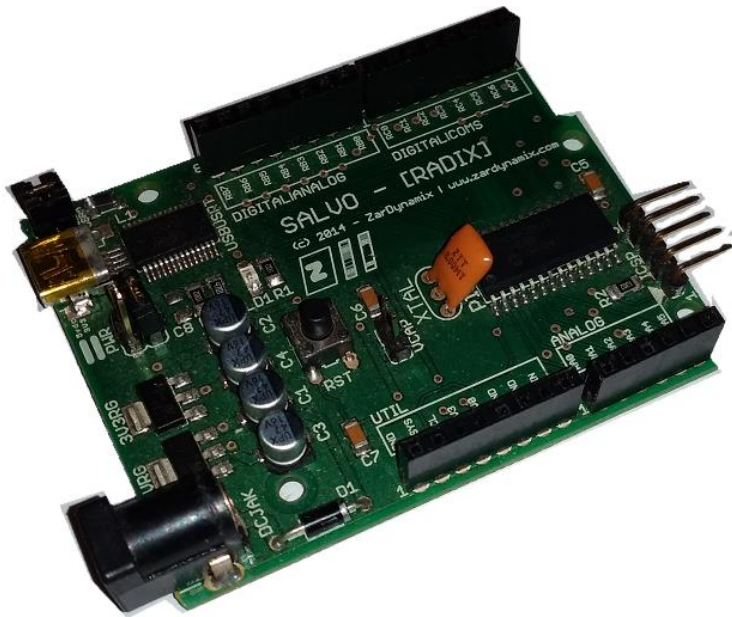**DIGITAL TRANSFORMATION TECHNOLOGY FOR A DIGITAL TRAMSFORMATION AGE**

RADIX

The RADIX is a development platform for the 28 PIN, PIC18F25K22. The platform, in Arduino from factor, has a number of extensible features which enable the user to develop a feature rich system.

The development PCB is configured so that there is compatibility with other members in the family of development PCBs, without sacrificing PIN accessibility. There is a standard PIN out across the range.

NOTE: The RADIX header PIN out is Arduino compatible; certain shields may be compatible. The RADIX is not compatible with Sketch.

The standard layout supports an interchangeable shield as an accessory, which clips into the PCB.

Specification		Description
Device	PIC18F25K22	SMD Package
	Oscillator	Ceramic oscillator, 8 MHZ
PSU	3v3 | 5v0	Dual power supply, selectable by jumper
	DC	DC Jack, 2.1 MM
	Polarity Protection	1N4007 diode, provides reverse polarity protection
Programming	ICSP	Standard ICSP Header, 5 PIN for microchip devices
	Bootloader	Yes
I / O	PORTS A, B, C	All I/O tracked to headers that enable easy access to the devices I/O
Communication	ICSP Header	Programming interface
	MikroProg	NA
	USB UART	FT232RTL USB to UART communication with the PIC. The device is USB powered capable.
Extras	Power Led, Reset switch	

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