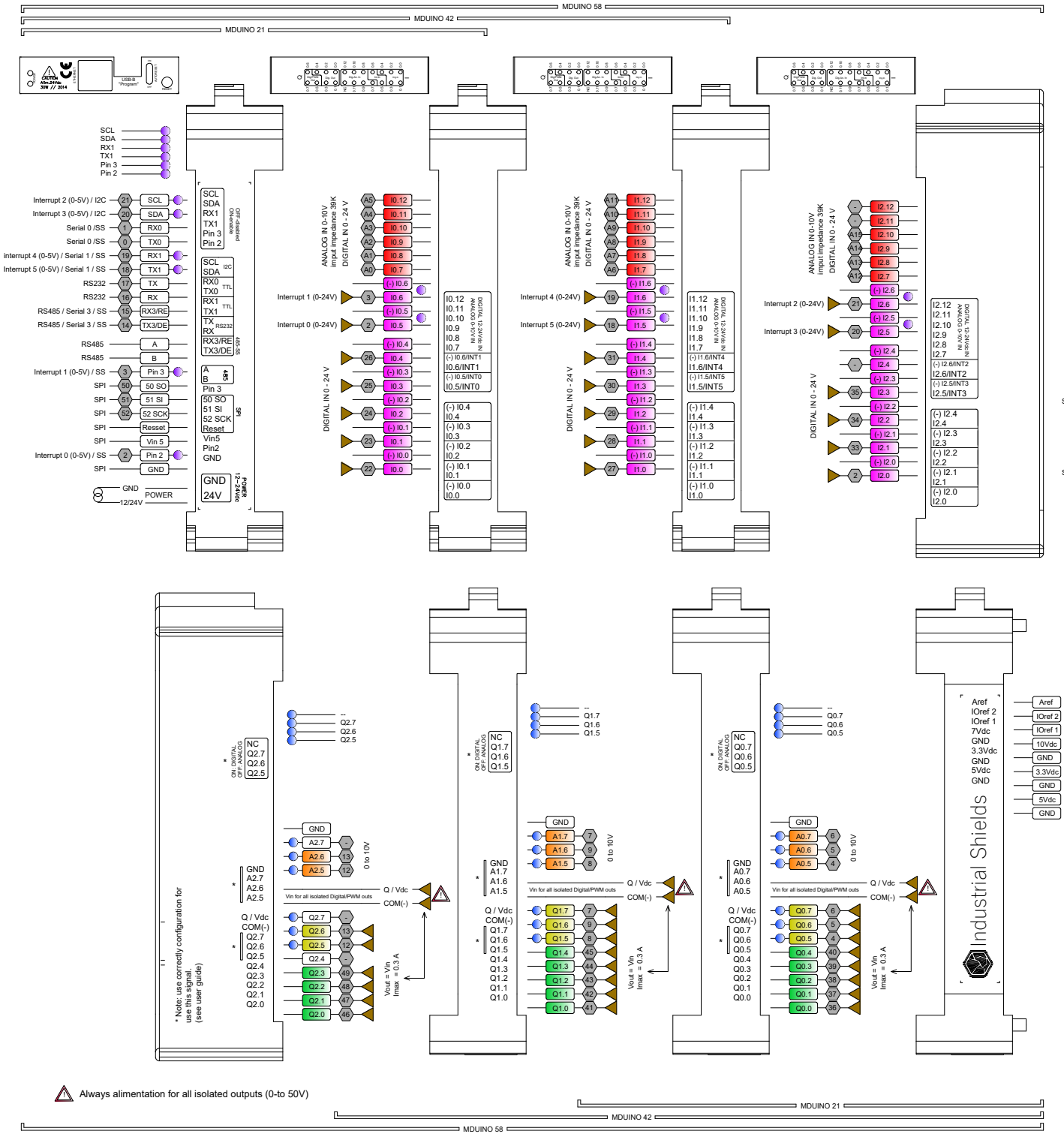

CONECTABLE PLC ARDUINO 24Vcc M-DUINO				
MODEL TYPE	**21 I/Os**	**42 I/Os**	**58 I/Os**	
Input Voltage	12- 24Vdc			Fuse protection (1A) Polarity protection
I max.	0,5A			
Size	101x119.5x70.1	101x119.5x94.7	101x119.5x119.3	
Clock Speed	16MHz			
Flash Memory	256KB of which 8KB used by bootlader			
SRAM	8KB			
EEPROM	4KB			
Communications	I2C[1] – Ethernet Port – USB – RS485 – RS232 -- SPI – (2x) Rx,Tx (Arduino pins)			Max232-Max485-W5100
TOTAL Input points	13	26	36	
TOTAL Output points	11	22	30	
Type of signals				
An/Dig Input 10bit (0-10Vcc)	6	12	16	0-10V Input Impedance: 39K Separated PCB ground
Digital Isolated Input (24Vcc)	7	14	20	5/12/24Vdc I min: 2/6/12 mA Galvanic INSULATION
*** Interrupt isolated Input HS** (24Vcc)	2	4	6	5/12/24Vdc I min: 2/6/12 mA Galvanic INSULATION
Analog Output 8bit (0-10Vcc)	3	6	8	0-10 Vdc I max: 40 mA Separated PCB ground
Digital Isolated Output (24Vcc)	8	16	22	5/12/24 Vdc I max: 0.3 A Galvanic INSULATION Diode Protected for Relay
PWM Isolated Output 8bit (24Vcc)	3	6	8	5/12/24 Vdc I max: 0.3 A Galvanic INSULATION Diode Protected for Relay
Expandability	I2C - 127 elements - Serial Port RS232/RS485			
Reference	IS.MDUINO.base.21	IS.MDUINO.base.42	IS.MDUINO.base.58	
*** By using this type of signal can no longer use Digital signal (24Vdc)** **You must to read product Datasheet.** **(1) IMPORTANT. Visit accessories/communication section.**				

[1] Pull-up resistance required (IS.ACI2C-4.7K)

Industrial Shields
MDUINO 21-42-58 I/Os

ARDUINO PIN
ARDBOX FUNCTION
SWITCH CONF.
ISOLATED

DIGITAL OUT
DIGITAL/PWM OUT
ANALOG OUT
DIGITAL/ANALOG IN
DIGITAL IN

ANALOG / DIGITAL CONFIGURATION SWITCH
COMUNICATION / INTERRUPT SWITCH

Download the user guide and examples from:
www.industrialshields.com