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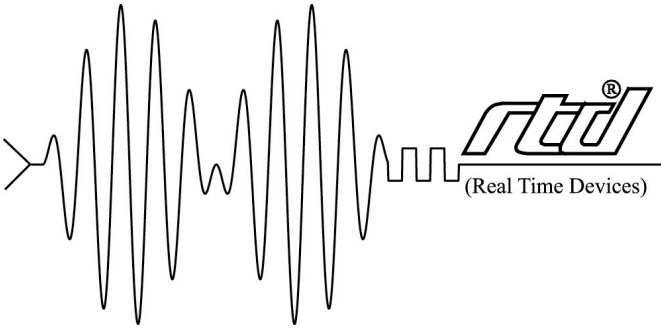
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IDAN-ESC629HR-62D

DIMENSIONS
AND
PINOUT

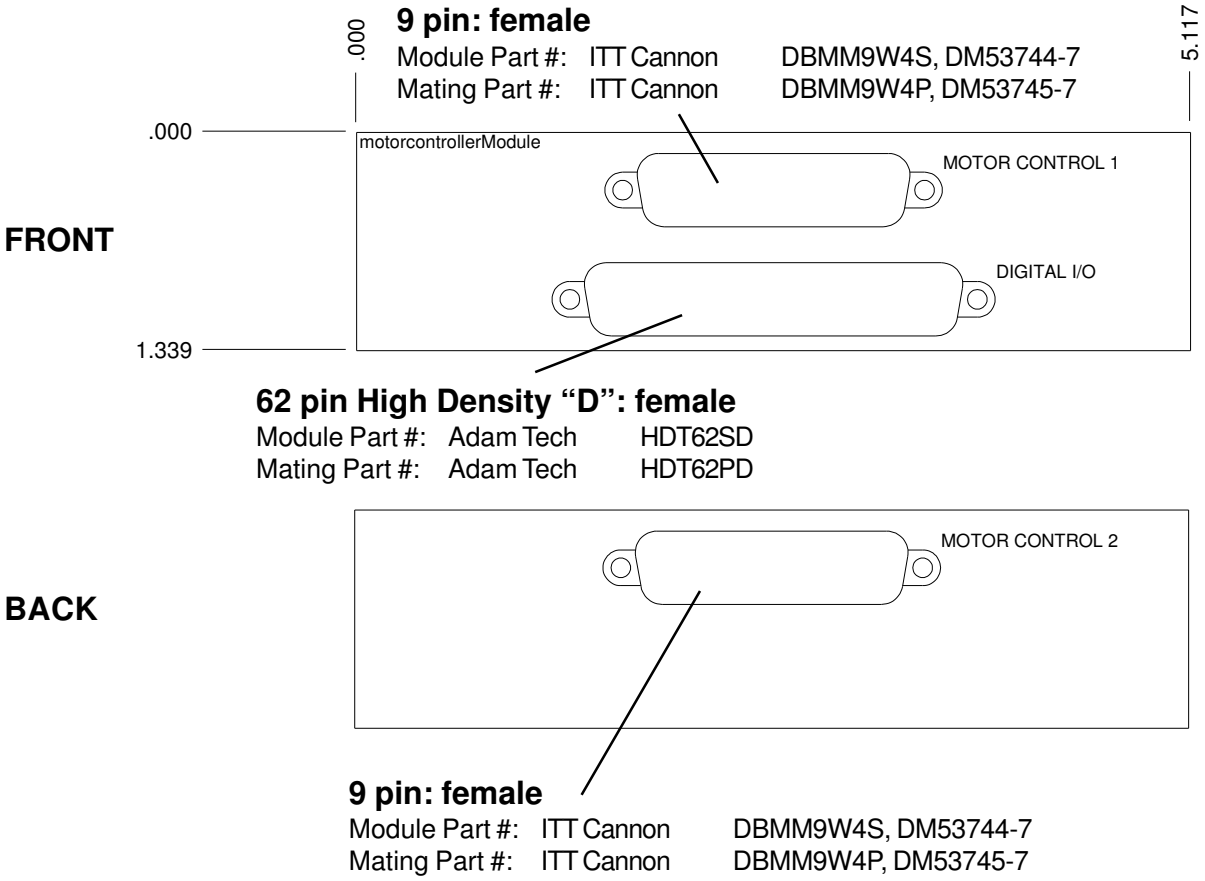


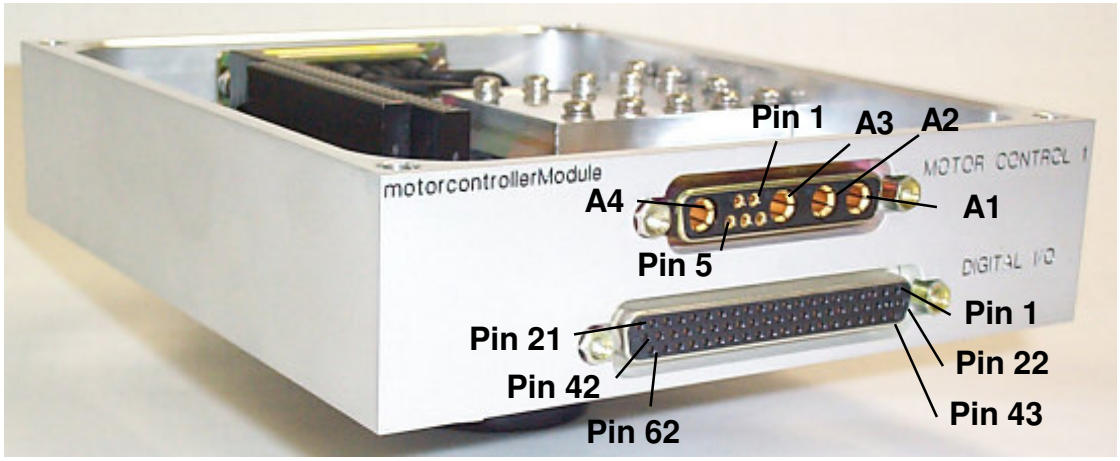
RTD Embedded Technologies, Inc.
"Accessing the Analog World"®

IDM-650020021
REV A

IDAN-ESC629

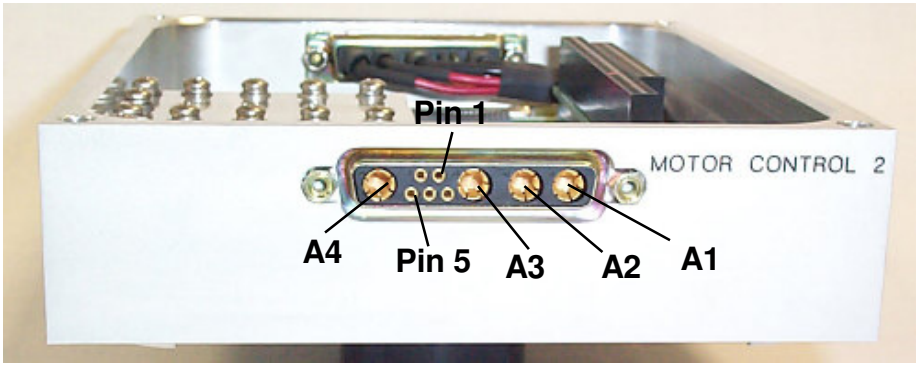
Motor Controller Module





Drawing not to scale.

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NOTE: Do not make connections to reserved pins!!!

Motor Control 1 - 9 Pin Connector (female)	
IDAN Pin #	**Signal**
A1	Motor 1 V+
A2	Motor 1 +
A3	Motor 1 -
A4	Motor 1 GND
1	+5 VDC
2	Inc/Enc CH A
3	Inc/Enc CH B
4	Inc/Enc Index
5	GND

Motor Control 2 - 9 Pin Connector (female)	
IDAN Pin #	**Signal**
A1	Motor 2 V+
A2	Motor 2 +
A3	Motor 2 -
A4	Motor 2 GND
1	+5 VDC
2	Inc/Enc CH A
3	Inc/Enc CH B
4	Inc/Enc Index
5	GND

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IDAN-ESC629 Digital I/O: 62 Pin High Density "D" Connector (Female)				
IDAN Pin #			Signal	ESC629 J3 Pin #
Row 1	Row 2	Row 3		
1			PC0	1
	22		RESERVED	2
		43	PC1	3
2			DIGITAL GND	4
	23		PC2	5
		44	DIGITAL GND	6
3			PC3	7
	24		DIGITAL GND	8
		45	PC4	9
4			DIGITAL GND	10
	25		PC5	11
		46	DIGITAL GND	12
5			PC6	13
	26		DIGITAL GND	14
		47	PC7	15
6			DIGITAL GND	16
	27		PB0	17
		48	DIGITAL GND	18
7			PB1	19
	28		DIGITAL GND	20
		49	PB2	21
8			DIGITAL GND	22
	29		PB3	23
		50	DIGITAL GND	24
9			PB4	25
	30		DIGITAL GND	26
		51	PB5	27
10			DIGITAL GND	28
	31		PB6	29
		52	DIGITAL GND	30
11			PB7	31
	32		DIGITAL GND	32
		53	PA0	33
12			DIGITAL GND	34
	33		PA1	35
		54	DIGITAL GND	36
13			PA2	37
	34		DIGITAL GND	38
		55	PA3	39
14			DIGITAL GND	40
	35		PA4	41
		56	DIGITAL GND	42
15			PA5	43
	36		DIGITAL GND	44
		57	PA6	45
16			DIGITAL GND	46
	37		PA7	47
		58	DIGITAL GND	48
17			+5 VOLTS	49
	38		DIGITAL GND	50
IDAN Pin #			Signal	ESC629 J4 Pin #
		59	V+	1
18			Gnd	2
	39		SIGN_1 (TTL)	3
		60	MAGN_1 (TTL)	4
19			SIGN_2 (TTL)	5
	40		MAGN_2 (TTL)	6
		61	L_1/2_DRIVE1 (TTL)	7
20			R_1/2_DRIVE1 (TTL)	8
	41		L_1/2_DRIVE2 (TTL)	9
		62	R_1/2_DRIVE2 (TTL)	10
21			RESERVED	-
	42		RESERVED	-

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