

# 7868 IO Assignment [eHSx64\_Dual\_PMSM\_VDQ\_IO\_7868R]

AI0+	68	34	AI0-
AIGND0	67	33	AIGND1
AI1+	66	32	AI1-
AI2+	65	31	AI2-
AIGND2	64	30	AIGND3
AI3+	63	29	AI3-
AI4+	62	28	AI4-
AIGND4	61	27	AIGND5
AI5+	60	26	AI5-
NC	59	25	NC
AIGND6	58	24	AIGND7
NC	57	23	NC
AISENSE	56	22	NC
AO0	55	21	AOGND0
AO1	54	20	AOGND1
AO2	53	19	AOGND2
AO3	52	18	AOGND3
AO4	51	17	AOGND4
AO5	50	16	AOGND5
AO6	49	15	AOGND6
AO7	48	14	AOGND7
DIO15	47	13	DIO14
DIO13	46	12	DIO12
DIO11	45	11	DIO10
DIO9	44	10	DIO8
DIO7	43	9	DGND
DIO6	42	8	DGND
DIO5	41	7	DGND
DIO4	40	6	DGND
DIO3	39	5	DGND
DIO2	38	4	DGND
DIO1	37	3	DGND
DIO0	36	2	DGND
+5V	35	1	+5V

CONNECTOR 0  
(RMIO)

GND	68	34	GND
EXTCLKIN	67	33	GND
GND	66	32	GND
DIO0	65	31	DIO1
GND	64	30	GND
DIO2	63	29	DIO3
GND	62	28	GND
DIO4	61	27	DIO5
GND	60	26	GND
DIO6	59	25	DIO7
GND	58	24	GND
DIO8	57	23	DIO9
GND	56	22	GND
DIO10	55	21	DIO11
GND	54	20	GND
DIO12	53	19	DIO13
GND	52	18	GND
DIO14	51	17	DIO15
GND	50	16	GND
DIO16	49	15	DIO17
GND	48	14	GND
DIO18	47	13	DIO19
GND	46	12	GND
DIO20	45	11	DIO21
GND	44	10	GND
DIO22	43	9	DIO23
GND	42	8	GND
DIO24	41	7	DIO25
GND	40	6	GND
DIO26	39	5	DIO27
GND	38	4	GND
DIO28	37	3	DIO29
GND	36	2	GND
DIO30	35	1	DIO31

CONNECTOR 1  
(RDIO)

NC	68	34	NC
NC	67	33	NC
NC	66	32	NC
NC	65	31	NC
NC	64	30	NC
NC	63	29	NC
NC	62	28	NC
NC	61	27	NC
NC	60	26	NC
AO16	59	25	AOGND16
NC	58	24	NC
AO17	57	23	AOGND17
NC	56	22	NC
AO8	55	21	AOGND8
AO9	54	20	AOGND9
AO10	53	19	AOGND10
AO11	52	18	AOGND11
AO12	51	17	AOGND12
AO13	50	16	AOGND13
AO14	49	15	AOGND14
AO15	48	14	AOGND15
NC	47	13	NC
NC	46	12	NC
NC	45	11	NC
NC	44	10	NC
NC	43	9	NC
NC	42	8	NC
NC	41	7	NC
NC	40	6	NC
NC	39	5	NC
NC	38	4	NC
NC	37	3	NC
NC	36	2	NC
NC	35	1	NC

CONNECTOR 2  
(RAO)

Digital Inputs		Digital Outputs		Analog Inputs		Analog Outputs	
VeriStand Name	Pin Name	VeriStand Name	Pin Name	VeriStand Name	Pin Name	VeriStand Name	Pin Name
DI00	RDIO DIO0	DO00	RMIO DIO0	AI00	RMIO AI0	AO00	RMIO AO0
DI01	RDIO DIO1	DO01	RMIO DIO1	AI01	RMIO AI1	AO01	RMIO AO1
DI02	RDIO DIO2	DO02	RMIO DIO2	AI02	RMIO AI2	AO02	RMIO AO2
DI03	RDIO DIO3	DO03	RMIO DIO3	AI03	RMIO AI3	AO03	RMIO AO3
DI04	RDIO DIO4	DO04	RMIO DIO4	AI04	RMIO AI4	AO04	RMIO AO4
DI05	RDIO DIO5	DO05	RMIO DIO5	AI05	RMIO AI5	AO05	RMIO AO5
DI06	RDIO DIO6	DO06	RMIO DIO6			AO06	RMIO AO6
DI07	RDIO DIO7	DO07	RMIO DIO7			AO07	RMIO AO7
DI08	RDIO DIO8	DO08	RMIO DIO8			AO08	RAO AO8
DI09	RDIO DIO9	DO09	RMIO DIO9			AO09	RAO AO9

