

7868 IO Assignment

[eHSx32_Dual_PMSM_VDQ_IO_32DO_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
DIO0	RDIO DIO0	DO00	RMIO DIO0	AI00	RMIO AI0	AO00	RMIO AO0
DIO1	RDIO DIO1	DO01	RMIO DIO1	AI01	RMIO AI1	AO01	RMIO AO1
DIO2	RDIO DIO2	DO02	RMIO DIO2	AI02	RMIO AI2	AO02	RMIO AO2
DIO3	RDIO DIO3	DO03	RMIO DIO3	AI03	RMIO AI3	AO03	RMIO AO3
DIO4	RDIO DIO4	DO04	RMIO DIO4	AI04	RMIO AI4	AO04	RMIO AO4
DIO5	RDIO DIO5	DO05	RMIO DIO5	AI05	RMIO AI5	AO05	RMIO AO5
DIO6	RDIO DIO6	DO06	RMIO DIO6			AO06	RMIO AO6
DIO7	RDIO DIO7	DO07	RMIO DIO7			AO07	RMIO AO7
DIO8	RDIO DIO8	DO08	RMIO DIO8			AO08	RAO AO8

DI09	RDIO DIO9		DO09	RMIO DIO9					AO09	RAO AO9
DI10	RDIO DIO10		DO10	RMIO DIO10					AO10	RAO AO10
DI11	RDIO DIO11		DO11	RMIO DIO11					AO11	RAO AO11
DI12	RDIO DIO12		DO12	RMIO DIO12					AO12	RAO AO12
DI13	RDIO DIO13		DO13	RMIO DIO13					AO13	RAO AO13
DI14	RDIO DIO14		DO14	RMIO DIO14					AO14	RAO AO14
DI15	RDIO DIO15		DO15	RMIO DIO15					AO15	RAO AO15
			DO16	RDIO DIO16					AO16	RAO AO16
			DO17	RDIO DIO17					AO17	RAO AO17
			DO18	RDIO DIO18						
			DO19	RDIO DIO19						
			DO20	RDIO DIO20						
			DO21	RDIO DIO21						
			DO22	RDIO DIO22						
			DO23	RDIO DIO23						
			DO24	RDIO DIO24						
			DO25	RDIO DIO25						
			DO26	RDIO DIO26						
			DO27	RDIO DIO27						
			DO28	RDIO DIO28						
			DO29	RDIO DIO29						
			DO30	RDIO DIO30						
			DO31	RDIO DIO31						