

DIGITAL OUTPUTS

[illegible]

DIGITAL INPUTS

I/O #	DESCRIPTION	DEVICE	NORM/ACT DEVICE STATE	NORM/ACT VOLT. STATE	Harness	DB Conn	Pin	Header	Pin	Signal	J4	A0	A1	A2	A3	A4	A5	A6	A7	B0	B1	B2	B3	B4	B5	B6	B7	C0	C1	C2	C3	C4	C5	C6	C7	25 Latch	26 Ack	33 5V	34 DGND
DI00	MV Converter A Status		LOW/HIGH	TTL		M1		A5J4				X																											
DI01	MV Converter B Status		LOW/HIGH	TTL		M2		A5J4					X																										
DI02	MV Converter A Fault Status		LOW/HIGH	TTL		M3		A5J4						X																									
DI03	MV Converter B Fault Status		LOW/HIGH	TTL		M4		A5J4							X																								
DI04			LOW/HIGH	TTL				A5J4								X																							
DI05			LOW/HIGH	TTL				A5J4									X																						
DI06			LOW/HIGH	TTL				A5J4										X																					
DI07			LOW/HIGH	TTL				A5J4											X																				
DI08	400V circuit breaker trip 1		LOW/HIGH	TTL	W2	A6J11	5	A5J4												X																			
DI09	400V circuit breaker trip 2		LOW/HIGH	TTL	W2	A6J11	4	A5J4													X																		
DI10	400V circuit breaker trip 3		LOW/HIGH	TTL	W2	A6J11	3	A5J4														X																	
DI11	400V circuit breaker trip 4		LOW/HIGH	TTL	W2	A6J11	2	A5J4															X																
DI12	400V circuit breaker trip 5		LOW/HIGH	TTL	W2	A7J11	5	A5J4																X															
DI13	400V circuit breaker trip 6		LOW/HIGH	TTL	W2	A7J11	4	A5J4																	X														
DI14	400V circuit breaker trip 7		LOW/HIGH	TTL	W2	A7J11	3	A5J4																		X													
DI15	400V circuit breaker trip 8		LOW/HIGH	TTL	W2	A7J11	2	A5J4																		X													
DI16	48V circuit breaker trip 1		LOW/HIGH	TTL	W2	A6J11	9	A5J4																			X												
DI17	48V circuit breaker trip 2				W2	A6J11	8	A5J4																				X											
DI18	48V circuit breaker trip 3				W2	A6J11	7	A5J4																					X										
DI19	48V circuit breaker trip 4				W2	A6J11	6	A5J4																						X									
DI20	48V circuit breaker trip 5				W2	A7J11	9	A5J4																							X								
DI21	48V circuit breaker trip 6				W2	A7J11	8	A5J4																								X							
DI22	48V circuit breaker trip 7				W2	A7J11	7	A5J4																									X						
DI23	48V circuit breaker trip 8				W2	A7J11	6	A5J4																															

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I/O #	DESCRIPTION	DEVICE	NORM/ACT DEVICE STATE	NORM/ACT SIGNAL STATE	Harness	DB Conn	Pin	Header	Pin	J3	Signal	1	2	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34		
										AGND	AGND	Vin 0	Vin 1	Vin 2	Vin 3	Vin 4	Vin 5	Vin 6	Vin 7	Vin 8	Vin 9	Vin 10	Vin 11	Vin 12	Vin 13	Vin 14	Vin 15	Vin 16	Vin 17	Vin 18	Vin 19	Vin 20	Vin 21	Vin 22	Vin 23	Vin 24	Vin 25	Vin 26	Vin 27	Vin 28	Vin 29	Vin 30	Vin 31				
AI01	400 VDC Ext Load Current 1	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	3	A2J3					X																																		
AI02	400 VDC Ext Load Current 2	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	8	A2J3						X																																	
AI03	400 VDC Ext Load Current 3	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	4	A2J3							X																																
AI04	400 VDC Ext Load Current 4	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	9	A2J3								X																															
AI05	400 VDC Ext Load Current 5	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	3	A2J3									X																														
AI06	400 VDC Ext Load Current 6	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	8	A2J3									X																														
AI07	400 VDC Ext Load Current 7	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	4	A2J3										X																													
AI08	400 VDC Ext Load Current 8	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	9	A2J3											X																												
AI09	48 VDC Ext Load Current 1	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	1	A2J3												X																											
AI10	48 VDC Ext Load Current 2	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	6	A2J3																																							
AI11	48 VDC Ext Load Current 3	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	2	A2J3														X																									
AI12	48 VDC Ext Load Current 4	XLC-A	0-25 A	0-2.5 VDC	W1	A6J9	7	A2J3																X																							
AI13	48 VDC Ext Load Current 5	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	1	A2J3																	X																						
AI14	48 VDC Ext Load Current 6	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	6	A2J3																	X																						
AI15	48 VDC Ext Load Current 7	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	2	A2J3																		X																					
AI16	48 VDC Ext Load Current 8	XLC-B	0-25 A	0-2.5 VDC	W1	A7J9	7	A2J3																			X																				
AI17	Int Load Current 1	ILC	0-25 A	0-2.5 VDC	W1	A8J1	9	A2J3																					X																		
AI18	Int Load Current 2	ILC	0-25 A	0-2.5 VDC	W1	A8J1	4	A2J3																						X																	
AI19	Int Load Current 3	ILC	0-25 A	0-2.5 VDC	W1	A8J1	8	A2J3																							X																
AI20	Int Load Current 4	ILC	0-25 A	0-2.5 VDC	W1	A8J1	3	A2J3																								X															
AI21	Int Load Current 5	ILC	0-25 A	0-2.5 VDC	W1	A8J1	7	A2J3																									X														
AI22	Int Load Current 6	ILC	0-25 A	0-2.5 VDC	W1	A8J1	2	A2J3																										X													
AI23	Int Load Current 7	ILC	0-25 A	0-2.5 VDC	W1	A8J1	6	A2J3																											X												
AI24	Int Load Current 8	ILC	0-25 A	0-2.5 VDC	W1	A8J1	1	A2J3																												X											
AI25	Int Load Current 9	ILC	0-25 A	0-2.5 VDC	W1	A8J4	9	A2J3																															X								
AI26	Int Load Current 10	ILC	0-25 A	0-2.5 VDC	W1	A8J4	4	A2J3																															X								
AI27	Int Load Current 11	ILC	0-25 A	0-2.5 VDC	W1	A8J4	8	A2J3																																X							
AI28	Int Load Current 12	ILC	0-25 A	0-2.5 VDC	W1	A8J4	3	A2J3																																	X						
AI29	Int Load Current 13	ILC	0-25 A	0-2.5 VDC	W1	A8J4	7	A2J3																																	X						
AI30	Int Load Current 14	ILC	0-25 A	0-2.5 VDC	W1	A8J4	2	A2J3																																		X					
AI31	Int Load Current 15	ILC	0-25 A	0-2.5 VDC	W1	A8J4	6	A2J3																																		X					
AI32	Int Load Current 16	ILC	0-25 A	0-2.5 VDC	W1	A8J4	1	A2J3																																			X				
AI33	400V voltage	Bus Monitor	0-400 VDC	0-5 VDC	W1	A9J2	3	A3J3					X																																		
AI34	400V current	Bus Monitor			W1	A9J2	7	A3J3						X																																	
AI35	48V Ext voltage	Bus Monitor	0-48 VDC	0-5 VDC	W1	A9J2	2	A3J3							X																																
AI36	48V Ext current	Bus Monitor			W1	A9J2	5	A3J3								X																															
AI37	Ground Fault Current	Bus Monitor			W1	A9J2	4	A3J3									X																														
AI38	48V int voltage	IDC			W1	A10J1	7	A3J3									X																														
AI39	12V Int voltage	IDC			W1	A10J1	6	A3J3										X																													
AI40	5V int voltage	IDC			W1	A10J1	8	A3J3											X																												
AI41	-12V Int voltage	IDC			W1	A10J1	9	A3J3												X																											
AI42	MV voltage	MV eng sensor	0-10k VDC	0-5 VDC	W1	A13J2	-	A3J3													X																										
AI43	MV current - absolute	MV eng sensor	0-20 A	0-5 VDC	W1	A13J2	-	A3J3														X																									
AI44	MV current - differential	MV eng sensor			W1	A13J2	-	A3J3															X																								
AI45	MV Converter A Group 1	MV eng sensor			W1	A13J2	-	A3J3																X																							
AI46	MV Converter A Group 2	MV eng sensor			W1	A13J2	-	A3J3																	X																						
AI47	MV Converter A Group 3	MV eng sensor			W1	A13J2	-	A3J3																		X																					
AI48	MV Converter A Group 4	MV eng sensor			W1	A13J2	-	A3J3																			X																				
AI49	MV Converter A Group 5	MV eng sensor			W1	A13J2	-	A3J3																				X																			
AI50	MV Converter A Group 6	MV eng sensor			W1	A13J2	-	A3J3					</																																		

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I/O #	DESCRIPTION	Reference Point	NORM/ACT DEVICE STATE						NORM/ACT SIGNAL STATE	J3	Signal	1	AGND	2	AGND	3	Vin 0	5	Vin 1	7	Vin 2	9	Vin 3	11	Vin 4	13	Vin 5	15	Vin 6	17	Vin 7	19	Vin 8	21	Vin 9	23	Vin 10	25	Vin 11	27	Vin 12	29	Vin 13	31	Vin 14	33	Vin 15	4	Vin 16	6	Vin 17	8	Vin 18	10	Vin 19	12	Vin 20	14	Vin 21	16	Vin 22	18	Vin 23	20	Vin 24	22	Vin 25	24	Vin 26	26	Vin 27	28	Vin 28	30	Vin 29	32	Vin 30	34	Vin 31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
AI65	MV Pressure	IDC			W1	A13J2	-	A4J3					X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						