



Connector	HCCPHPE2BKA90F	Mating	211PC249S0018
Colour	Black		
Pin Count	24		
Pin Number	Description	Range	
A1	VBatt In	6-60V	
A2	VBatt In	6-60V	
A3	Control Valve 2 Lowside	8Amps	
A4	Control Valve 2 Highside	8Amps	
A5	5V sensor output	5V +/- 1%	
A6	Lowside 1	8Amps	
A7	Control Valve 1 Lowside	8Amps	
A8	Control Valve 1 Highside	8Amps	
B1	Analogue/Digital Input 5	0-5V	
B2	VUSB	USB 5V Input	
B3	CAN H	CAN 2.0B H	
B4	USB D+		
B5	H2 Pressure Sensor 2	0-5V	
B6	J2799 Link Tx		
B7	Analogue/Digital Input 2	0-5V	
B8	Ground		
C1	Analogue/Digital Input 4	0-5V	
C2	USB D-		
C3	CAN L	CAN 2.0B L	
C4	Analogue/Digital Input 3	0-5V	
C5	J2799 Link Rx		
C6	Analogue/Digital Input 1	0-5V	
C7	H2 Pressure Sensor 2	0-5V	
C8	Ground		

Crimp Tool	65201521-M
2.8mm Crimp	SICMA-3 280
1.5mm Crimp	SICMA-3 150

Connector	HCCPHPE24GYB90	Mating	211PC249S8018
Colour	Grey		
Pin Count	24		
Pin Number	Description	Range	
A1	5V Thermistor Pull up Chain B	5V with 10K pull up	
A2	Thermistor A6 Input		
A3	Thermistor A5 Input		
A4	Thermistor A8 Input		
A5	Thermistor B4 Input		
A6	Thermistor B6 Input		
A7	Thermistor B5 Input		
A8	Thermistor B7 Input		
B1	5V Thermistor Pull up Chain A	5V with 10K pull up	
B2	Thermistor A1 Input		
B3	Thermistor A3 Input		
B4	Thermistor A7 Input		
B5	Thermistor B1 Input		
B6	Thermistor B3 Input		
B7	Thermistor B10 Input		
B8	Thermistor B9 Input		
C1	Thermistor A2 Input		
C2	Thermistor A4 Input		
C3	Thermistor A10 Input		
C4	Thermistor A9 Input		
C5	Thermistor B2 Input		
C6	NC		
C7	NC		
C8	Thermistor B8 Input		

ISSUE	DRAWING MODIFICATION	ECN No.	ZONE	DWRN	CHKD	APPR	APPR DATE
A	FIRST RELEASE			PVK	CH	CH	22/09/2023
DIMENSIONS IN mm UNLESS OTHERWISE STATED Δ DENOTES SIGNIFICANT & CRITICAL CHARACTERISTICS GEOMETRICAL DIMENSIONING & TOLERANCING TO ISO 2768 mK BREAK OUT SHARP EDGES PART TO BE FREE FROM BURRS REFER TO 3D MODEL FOR ANY MISSING DIMENSIONS DO NOT SCALE, IF IN DOUBT ASK CAD DRAWING - DO NOT MODIFY BY HAND				PROTECTIVE TREATMENT 1	MATERIAL VARIOUS		
SIZE	CRITICALITY	DESCRIPTION					
A2	1	CUSTOMER DRAWING ASSY MODULE H2 FAST FILL					
SCALE	MASS (EST.)						
1:1	-						
SHEET NUMBER	NOT	PART NUMBER		ISSUE			
1 of 1	001	P064Z-0005-00		A			
THIS DRAWING AND ANY INFORMATION CONTAINED WITHIN THIS DOCUMENT ARE CONFIDENTIAL AND THE EXCLUSIVE PROPERTY OF VIRITECH LTD. THEY ARE SUPPLIED ON THE EXPRESS CONDITION THAT THEY SHALL NOT BE LENT, REPRODUCED IN WHOLE OR IN PART OR DISCLOSED TO ANY OTHER PERSON OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF VIRITECH LTD.							