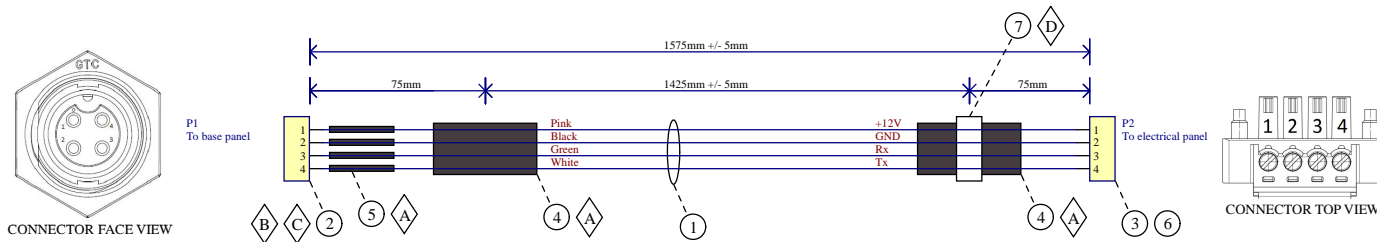


BILL OF MATERIALS						
ITEM	CPR NO.	DESCRIPTION	MANUFACTURER	PART NO.	QTY	UOM
1	N/A	Cable - 4Cx16, Black, SOOW	Carol Cable	01343-35	1575	mm
2	N/A	Connector - C3 Series, Female, 4 Position	USBFineWire	RR-153200-03040	1	EA
3	N/A	Connector - Combicon Series, Female, 4 Position	Phoenix Contat	1827729	1	EA
4	N/A	Heat Shrink Tubing - Black, 2-1 ratio, 3/4"	Qualtek	Q2-F-3/4-01-MS50FT	2x25	mm
5	N/A	Heat Shrink Tubing - Black, 2-1 ratio, 3/16"	Qualtek	Q2-F-3/16-01-MS100FT	4x13	mm
6	N/A	Ferrule - 16AWG, Black	TE Connectivity/AMP	L-966067-2	4	EA
7	N/A	Label - Cartridge, Back/Clear, Polyester, 1"	Brady	M-75-461	1	EA

REV	ENG	DATE	CHANGE DESCRIPTION
B	DL	2019-04-09	INITIAL RELEASE

SPECIFIED TOOLING REQUIREMENTS		
DESCRIPTION	MANUFACTURER	PART NO.
Hand crimping tool	TE Connectivity/AMP	539660-1

TOOLING REQUIREMENTS ARE MANDATORY AND MUST BE CLEARED BY CLEARPATH ROBOTICS ENGINEERING BEFORE CHANGING



- A ALL HEATSHRINK TUBING WILL COVER TRANSITIONS BETWEEN OUTER JACKETING TO INNER SLEEVING AND/OR DISCRETE WIRES
- B HEATSHRINK TUBING SHALL BE USED WHEN TERMINATING ALL CONTACTS IN 4POS CONNECTOR (2)
- C TERMINALS ARE SOLDERED/CLEANED TO CLASS 3 (IPC SPECIFICATIONS) BEFORE BEING COVERED WITH HEAT SHRINK TUBING
- D LABEL TO BE MARKED ONLY WITH 6-DIGIT ITEM NUMBER

CONNECTION TABLE								
ITEM	PIN NO.	CONTACT ITEM	WIRE ITEM	WIRE COLOUR	WIRE SIGNAL	ITEM	PIN NO.	CONTACT ITEM
2	1	N/A	1	Pink	+12V	3	1	6
	2			Black	GND		2	
	3			Green	RX		3	
	4			White	TX		4	

<p><b>CLEARPATH ROBOTICS™</b></p> <p>PROPRIETARY AND CONFIDENTIAL</p> <p>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CLEARPATH ROBOTICS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CLEARPATH ROBOTICS INC. IS PROHIBITED.</p>	DESIGNED	Jason Berringer	DATE	2019-04-09	ITEM DESCRIPTION <b>RS232 - BASE TO ELEC. PANEL CABLE ASSY.</b>
	DRAWN	Dana Leslie	DATE	2019-04-09	
	CHECKED	*	DATE	*	
	APPROVED	*	DATE	*	
	APPROVED	*	DATE	*	
LAST MODIFIED		2019-04-09		ITEM NUMBER	014672
SIZE	B	DO NOT SCALE	NOT TO SCALE	SHEET 1 OF 1	REV. B