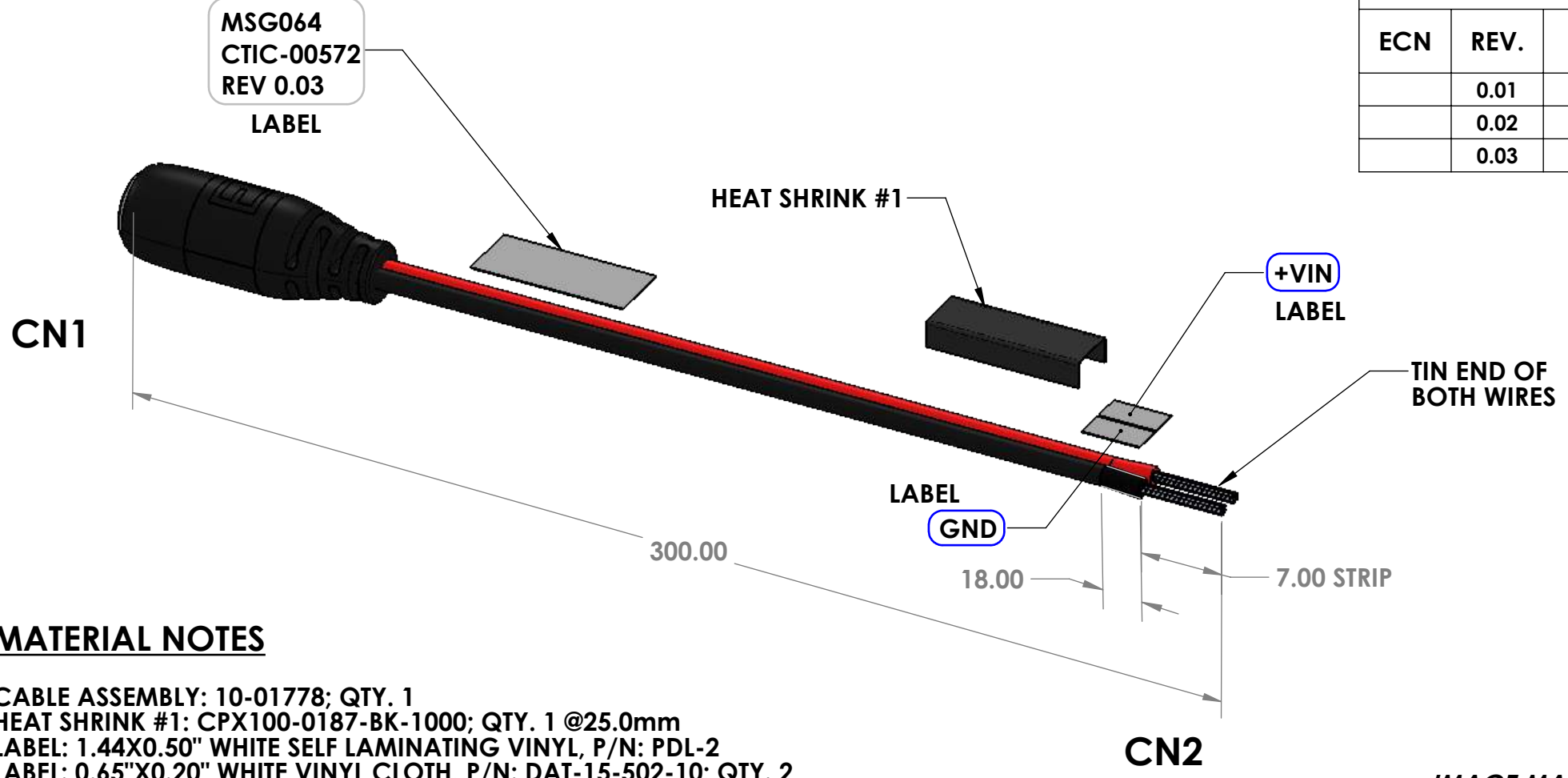


REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVED
	0.01	MODIFIED TO SUIT P/S CONDUCTORS	23/09/2016	
	0.02	ADDED TEST PROCEDURE	03/02/2017	
	0.03	MODIFIED ENTIRE ASSEMBLY	23/02/2017	



MATERIAL NOTES

CABLE ASSEMBLY: 10-01778; QTY. 1
 HEAT SHRINK #1: CPX100-0187-BK-1000; QTY. 1 @25.0mm
 LABEL: 1.44X0.50" WHITE SELF LAMINATING VINYL, P/N: PDL-2
 LABEL: 0.65"X0.20" WHITE VINYL CLOTH, P/N: DAT-15-502-10; QTY. 2

ASSEMBLY INSTRUCTIONS

1. CUT CABLE ASSEMBLY TO LENGTH AT 300.00mm.
2. CUT HEAT SHRINK #1 AT 25.0mm AND INSERT THROUGH LEADS.
3. SEPARATE RED AND BLACK LEADS TO 25.0mm.
4. STRIP EACH LEAD TO 7.00mm AND TIN EACH.
5. POSITION HEAT SHRINK #1 STARTING WHERE TWO LEADS ARE SEPARATED, SECURE IN PLACE.
6. PRINT "+V IN" AND "GND" LABELS AS SHOWN. AFFIX AS SHOWN AS PER PINOUT CHART (GND TO BLACK, +v IN TO RED).
7. PRINT LABEL WITH INFORMATION AS SPECIFIED AND AFFIX TO THE WIRES AS SHOWN.

IMAGE MAY NOT BE TO SCALE

PINOUT CHART

CN1	SIGNAL	COLOUR	CN2
	POWER	RED	+V IN
	GROUND	BLACK	GND

****PRINT IN COLOUR****

THIRD ANGLE 	DRAWN D.P.	DATE 20/09/2016	Connect Tech Inc. <i>Embedded Computing Experts</i> 42 ARROW ROAD, GUELPH, ON, CANADA, N1K 1S6
	CHECKED	DATE	
	ENG APPR.	DATE	
	MFG APPR.	DATE	
WHERE USED PRF1222		Q.A. DATE	TITLE: POWER SUPPLY UNIT ASSEMBLY, ORBITTY
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		REV 0.03	

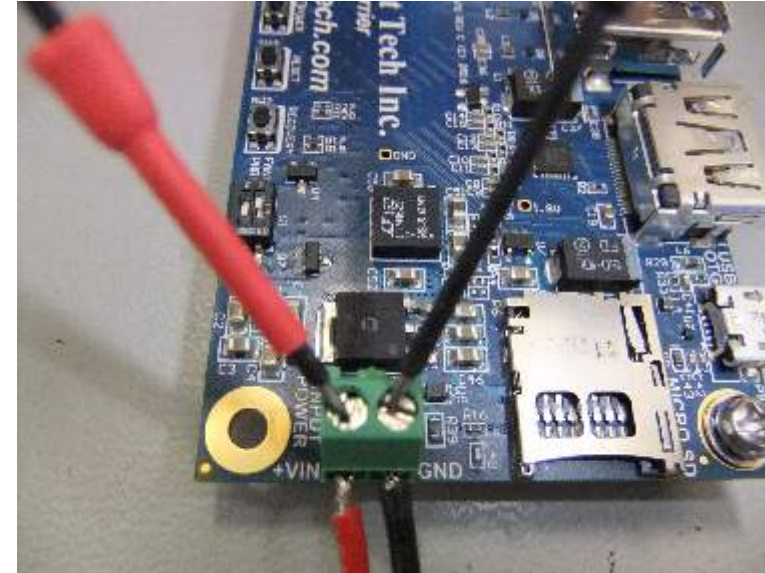
TESTING PROCEDURE

VOLTAGE PRE-TEST:

1. PRIOR TO TESTING THIS ASSEMBLY IN A SYSTEM TEST, USING A MULTI-METER PLACE THE RED PROBE TO RED LEAD AND THE BLACK PROBE TO BLACK LEAD - APPLY POWER TO THE CABLE USING POWER SUPPLY P/N: SD165-12-U-P5 TO CHECK THE VOLTAGE WHICH SHOULD BE BETWEEN 10.8V TO 13.2V.
2. IF OK, PROCEED TO SYSTEM POWER TEST.

SYSTEM POWER TEST:

1. AT THE ASG TEST STATION INSTALL THE CABLE ONTO THE ASG003 (ORBITTY) CARRIER.
2. PLUG THE CABLE INTO THE CONNECTOR AS SHOWN IN THE FIGURE. CHECK TO ENSURE THE CABLE AND CONNECTOR POLARITY IS CORRECT. *DO NOT APPLY POWER WHEN THE POLARITY IS INCORRECT!*
3. APPLY POWER TO THE SYSTEM USING POWER SUPPLY P/N: SD165-12-U-P5.
4. USING A MULTI-METER PLACE THE RED PROBE TO THE '+VIN' (AS IDENTIFIED ON THE PCB SILK) AND THE BLACK PROBE TO THE 'GND' (AS IDENTIFIED ON THE PCB SILK) AS SHOWN IN THE FIGURE. THE VOLTAGE SHOULD BE 10.8V TO 13.2V.
5. IF THIS VOLTAGE VALUE IS NOT ACHIEVED, THE CABLE FAILED.



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TITLE:

**POWER SUPPLY UNIT
 ASSEMBLY, ORBITTY**

DO NOT SCALE DRAWING	SIZE	PART NO.	REV
SHEET 2 OF 2	B	MSG064	0.03
SCALE: 7:8		DOCUMENT NO. CTIC-00572	