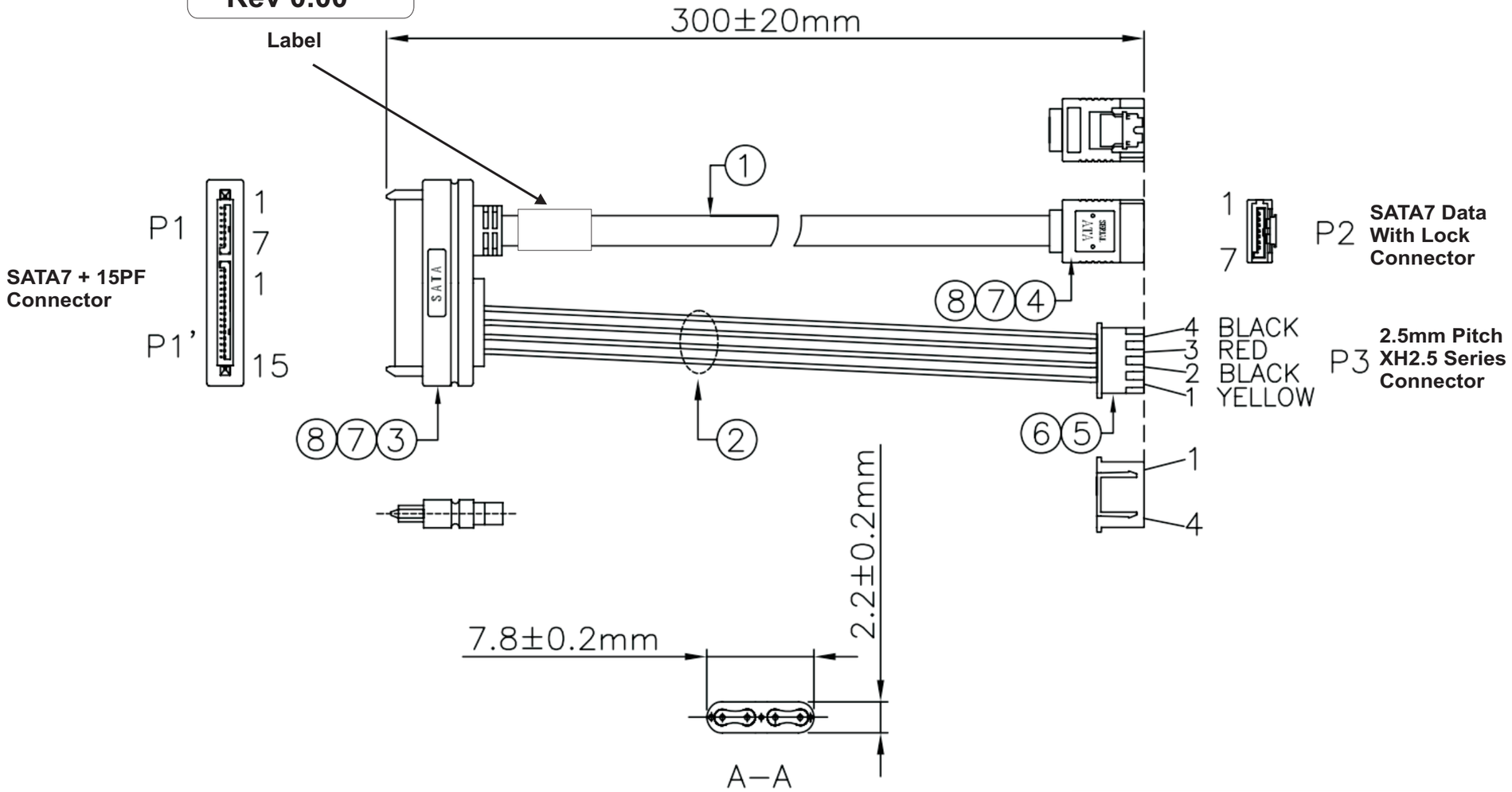
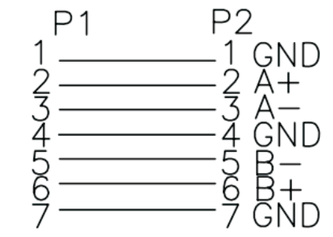
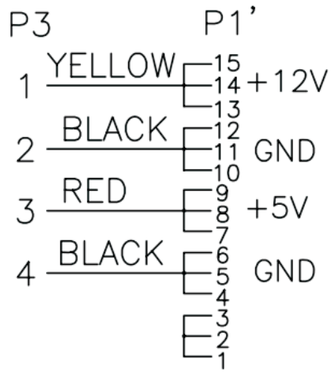
REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVED
	0.00	Initial	2011-12-06	
	0.00b	Updated Template	2017-08-14	

CBG090
CTIC-00347
Rev 0.00



Pinout





Material Notes

1. Ensure SATA data cable is SATA III (6Gbps) Capable
2. Ensure Power Cables are 22AWG

	DRAWN: PD	DATE: 2017-08-14	Connect Tech Inc. *Embedded Computing Experts* 42 ARROW ROAD, GUELPH, ON, CANADA, N1K 1S6
ASSEMBLY & TEST PROCEDURE:	CHECKED	DATE	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN METRIC (MM)	ENG APPR.	DATE	TITLE: SATA Data+Power to SATA Data and XH2.5 Power
	MFG APPR.	DATE	
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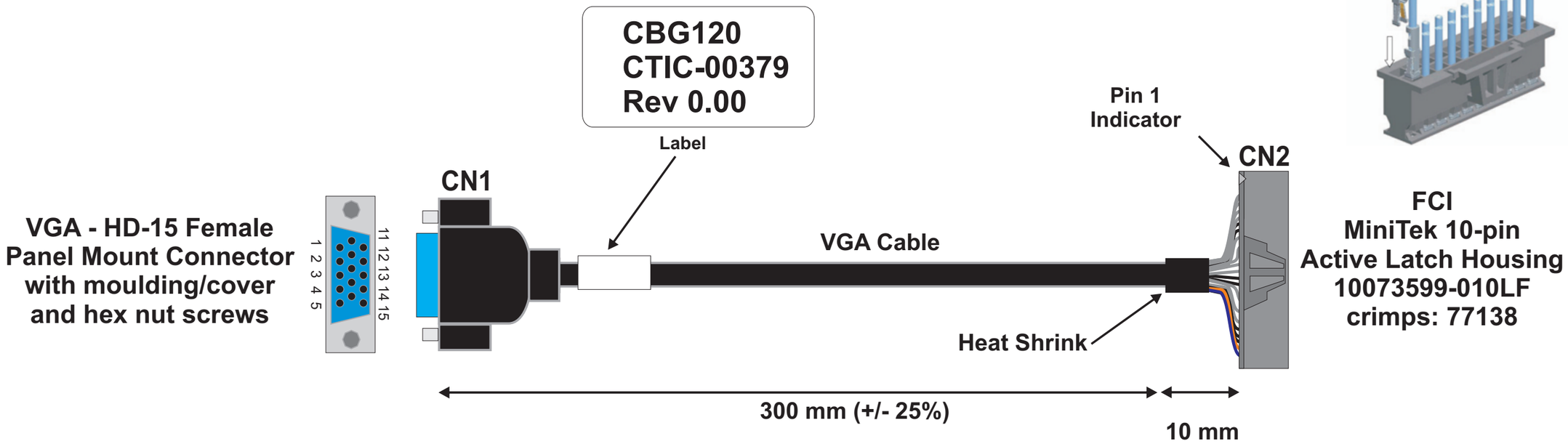
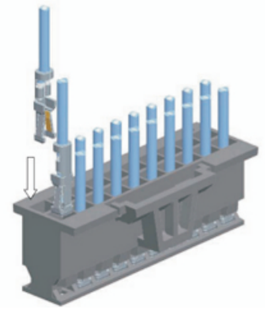
	NOT DRAWN TO SCALE		PART NO.: CBG090
			DOCUMENT NO.: CTIC-00347 / REV: 0.00b

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVED
	0.00	Initial	2013-07-22	
	0.00b	Updated Template	2017-08-14	





FCI
MiniTek 10-pin
Active Latch Housing
10073599-010LF
crimps: 77138

Pinout

CN1 VGA (HD-15)	Signal	CN2 10 Pin Header
1	RED	1
2	GREEN	3
3	BLUE	5
4	NC	-
5	GND	10
6	GND	2
7	GND	2
8	GND	2
9	NC	-
10	GND	10
11	NC	-
12	DDC DATA	8
13	HSync	7
14	VSync	9
15	DDC CLK	6

Material Notes

- Cable must be made from **RoHS** compliant components
- Wires must be 26-30 AWG
- Hex nut screws on CN1 must be installed

	DRAWN PD	DATE 2017-08-14	Connect Tech Inc. *Embedded Computing Experts* 42 ARROW ROAD, GUELPH, ON, CANADA, N1K 1S6
ASSEMBLY & TEST PROCEDURE:	CHECKED	DATE	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN METRIC (MM)	ENG APPR.	DATE	TITLE: 10-Pin Minitek to VGA Cable
	MFG APPR.	DATE	
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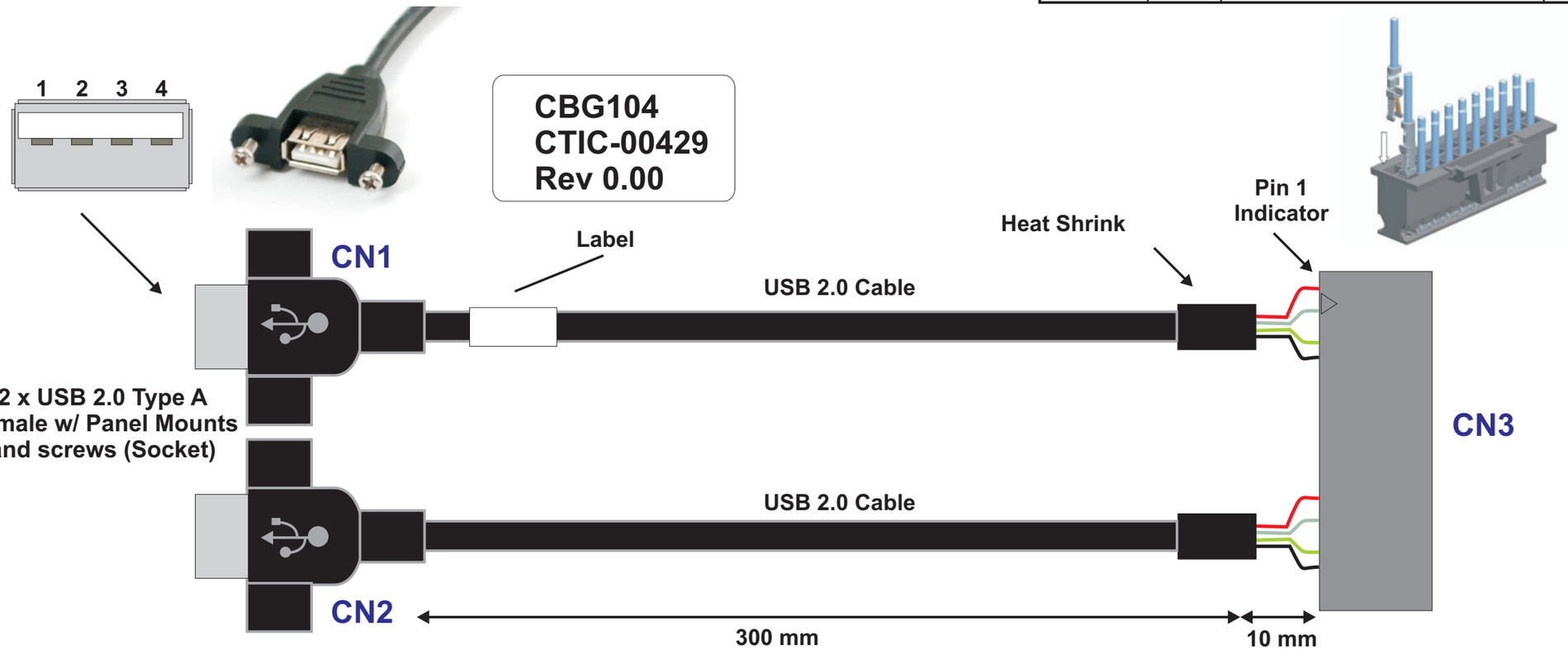
	NOT DRAWN TO SCALE		PART NO. CBG120
			DOCUMENT NO. CTIC-00379 / REV 0.00b

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVED
	0.00	Initial	2013-07-22	
	0.00b	Updated Template	2017-08-14	



Pinout

CN1 USB #1	Signal	Color	CN3 FCI
1	VCC	RED	1
2	D-	WHITE	3
3	D+	GREEN	5
4	GND	BLACK	7
CN2 USB #2			
1	VCC	RED	2
2	D-	WHITE	4
3	D+	GREEN	6
4	GND	BLACK	8

Material Notes

1. Cable is made from **RoHS** compliant components, must be USB 2.0 compliant and 26-30 AWG
2. Both Signal Pairs D-/D+ must be twisted pair, 90ohm differential impedance
3. USB sockets must be USB 2.0 Type A Female
4. FCI 10073599-008LF must be used; along with required crimps 77138

	DRAWN PD	DATE 2017-08-14	Connect Tech Inc. *Embedded Computing Experts* 42 ARROW ROAD, GUELPH, ON, CANADA, N1K 1S6
ASSEMBLY & TEST PROCEDURE:	CHECKED	DATE	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN METRIC (MM)	ENG APPR.	DATE	TITLE 8-Pin Minitek to 2x USB 2.0 Type-A Female
	MFG APPR.	DATE	
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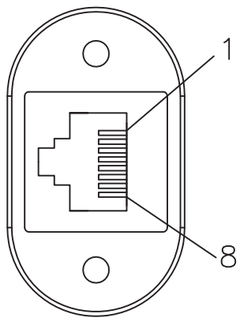
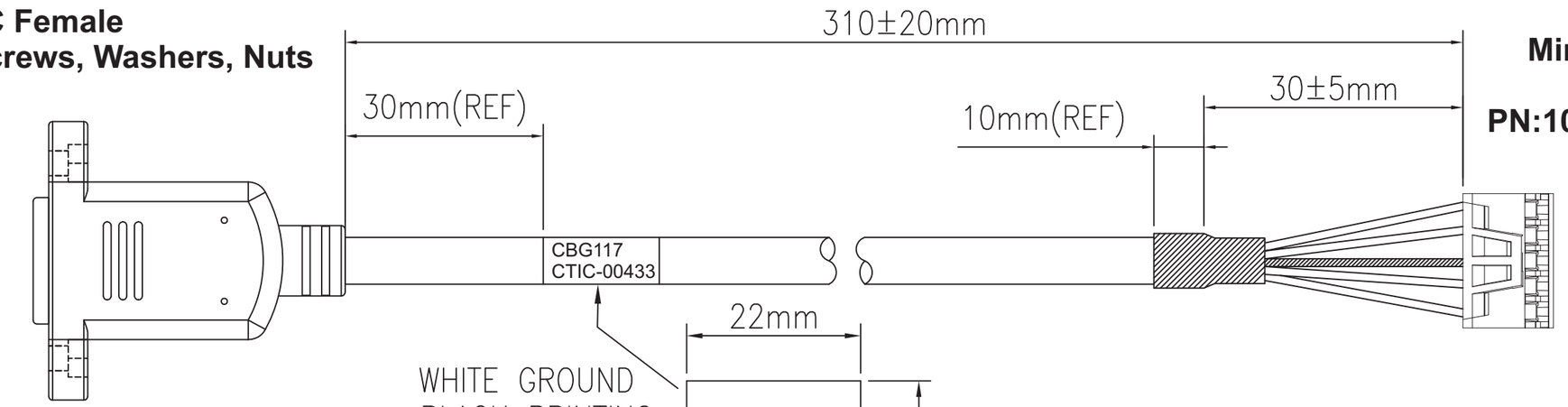
	NOT DRAWN TO SCALE		PART NO. CBG104
			DOCUMENT NO. CTIC-00429 / REV 0.00b

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVED
	0.00	Initial	2013-06-04	
	0.01	Updated PN Info	2013-06-09	
	0.01b	Updated Template	2017-08-14	

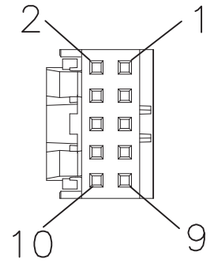
RJ-45 8P8C Female
w/ Panel Mounts and Screws, Washers, Nuts



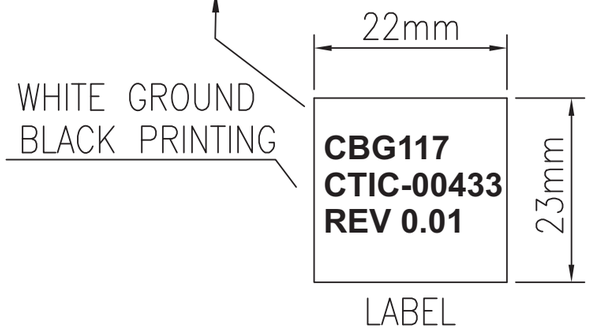
P1(8P8C JACK)



FCI
MiniTek 10-pin
Housing
PN:10073599-010LF



P2(10P HSG)



LABEL

Pinout

P1		P2
2	ORANGE	1
1	WHITE/ORANGE	2
6	GREEN	3
3	WHITE/GREEN	4
SHELL	BRAID	5
SHELL	BRAID	6
5	WHITE/BLUE	7
4	BLUE	8
8	BROWN	9
7	WHITE/BROWN	10

Material Notes

1. Cable is made from **RoHS** compliant components, must be RJ-45 compliant and 26-30 AWG
2. RJ-45 socket must be 8P8C (8 Pins, 8 Connectors)
3. FCI 10073599-010LF must be used; along with required crimps 77138

	DRAWN PD	DATE 2017-08-14	Connect Tech Inc. *Embedded Computing Experts* 42 ARROW ROAD, GUELPH, ON, CANADA, N1K 1S6
ASSEMBLY & TEST PROCEDURE:	CHECKED	DATE	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN METRIC (MM)	ENG APPR.	DATE	TITLE 10-Minitek to RJ45F
	MFG APPR.	DATE	
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	NOT DRAWN TO SCALE		PART NO. CBG117
			DOCUMENT NO. CTIC-00433 / REV 0.01b