



# Cable Assembly

VGA connection for Advanced Graphics Client

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**1.0 PURPOSE**

This document describes how to build a one-to-one cable to connect an Advanced Graphics Client VGA interface (signals from J9) to a CRT monitor with VGA input. This cable can be built in many ways, but this document describes how to build it with parts stocked at ADS at the time of writing.

**2.0 TOOLS REQUIRED**

- 2.1 Wire cutter/stripper for 28 AWG wire
- 2.2 Crimp Tool AMP P/N: 354940-1
- 2.3 Insertion/Extraction Tool AMP P/N: 91285-1
- 2.4 Label printer

**3.0 BILL OF MATERIALS:**

ITEM	QTY	ADS P/N	Manuf.	Part Number	DESCRIPTION
1	1/2	610110-0210A	SAMTEC	TCSD-15-D-24.00-01-N	24" long 30 pin cable assembly 2mm pitch
2	1	210020-01525	AMP	748565-1	HD15 high density VGA female connector
3	15	210020-01526	AMP	748610-7	HDP-22 Crimp Socket

**4.0 ASSEMBLY INSTRUCTIONS:**

- 4.1 Cut in half the 24" long cable and use one of the two pieces.
- 4.2 Connect the wires as shown in the following table:

VGA connector	AGC J9	Signal name
1	12	RED
2	10	GREEN
3	8	BLUE
4	-	-
5	-	GND
6	11	GND
7	9	GND
8	7	GND
9	-	-
10	5	GND
11	-	-
12	-	-
13	4	HSYNC
14	3	VSYNC
15	-	-

- 4.3 Identify the cable assembly by part number using permanent adhesive type label.

**5.0 REVISION HISTORY**

LTR	DESCRIPTION	DATE	APPROVAL
1	Initial draft	1/29/03	CM
2	Engineering Update	10/21/03	MB