



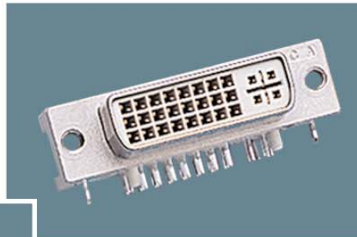
Circuit Assembly

TM



# DVI

## Digital Visual Interface



# DVI KITS

## Accessory Kits contain:

- Metal shield
- Boot (molded)
- 4-40 Thumbscrews (2 per kit)



## ACCESSORY KITS

KIT #	BOOT DIM	SHIELD DIM	CABLE OD
CA-DVI-KIT-55-X	.217 [5.5]	.256 [6.5]	up to .217 [5.5]
CA-DVI-KIT-65-X	.256 [6.5]	.295 [7.5]	up to .256 [6.5]
CA-DVI-KIT-75-X	.295 [7.5]	.335 [8.5]	up to .295 [7.5]
CA-DVI-KIT-78-X	.307 [7.8]	.354 [9.0]	up to .307 [7.8]
CA-DVI-KIT-85-X	.335 [8.5]	.374 [9.5]	up to .335 [8.5]
CA-DVI-KIT-90-X	.354 [9.0]	.394 [10.0]	up to .354 [9.0]
CA-DVI-KIT-95-X	.374 [9.5]	.433 [11.0]	up to .374 [9.5]
CA-DVI-KIT-100-X	.394 [10.0]	.433 [11.0]	up to .394 [10.0]
CA-DVI-KIT-110-X	.433 [11.0]	.472 [12.0]	up to .433 [11.0]

X = boot color 1 = white, 2 = black

Drawing Number: CA-630004



Custom DVI cable assembly incorporating new HDMI technology

Circuit Assembly is one of the largest manufacturers of DVI connectors world-wide, shipping millions of DVI connectors each month to contract manufacturers around the globe. Circuit Assembly offers a complete line of DVI connectors, available in multiple configurations including analog, digital and integrated plugs and sockets. CA's DVI cable assemblies are available in standard configurations as well as custom built to fit your application.

## Circuit Assembly.

*The Total Interconnect Solution Company*

- ▶ A leader in the design and manufacture of interface connectors and cable assemblies since 1969
- ▶ U.S. based with international facilities and distribution channels throughout the American, European and Asian-Pacific markets
- ▶ Quality System recognized under ISO 9001 certification
- ▶ Products recognized by UL, C-UL and CSA standards
- ▶ Solid reputation built on achieving customer satisfaction by offering quality products, competitive pricing and on-time delivery

# DVI2 SOCKETS

## APPLICATION

CA's DVI PCB mounted sockets provide digital-only or high bandwidth integrated, analog and digital connectivity. In each case the digital signals are present, allowing a monitor with a digital interface to attach directly to either system connector. Typical devices include monitors, set-top boxes, televisions, digital projectors and PCs.



## FEATURES

- ◆ Fully compliant to the DDWG's DVI Rev. 1.0 specification
- ◆ Digital-only, or Integrated Digital/Analog styles
- ◆ Support both single & dual link implementations using TMDS®
- ◆ Available in vertical and right angle
- ◆ Panel mount with two mounting options
- ◆ Rugged, shielded connectors provide improved EMI/RFI performance
- ◆ Plug and Play interface allows system to be plugged and unplugged without shutting down or reconfiguring.

CA-  DVI2S   -A-C

POSITION	TYPE	PROFILE	OPTION
24 (digital)	D = digital (24)	V = vertical	1 = 4-40 threaded insert
29 (integrated)	I = integrated (29)	R = right angle	2 = 4-40 hex screwlock packaged separately
		A = ATX fork lock, R/A	3 = 4-40 hex screwlock installed

Consult factory for additional contact and shell plating options.

### Customer Drawing Numbers

24 position, vertical	CA-T610082
29 position, vertical	CA-610300
24 position, right angle	CA-H810002
29 position, right angle	CA-H810001
24 position, ATX, R/A	CA-610313
29 position, ATX, R/A	CA-610302

*Circuit Assembly recommends the use of our DVI Series sockets for applications that may require 15µ IN or 30µ IN gold plating.*

# DVI PLUGS

## APPLICATION

CA's DVI cable mounted plugs support digital and high bandwidth analog connectivity between the host device and display device including: CRTs, DFP (Digital Flat Panel) displays, projectors, and television.



## FEATURES

- ◆ Fully compliant to the DDWG's DVI Rev. 1.0 specification
- ◆ Analog-only, Digital-only, and Integrated Digital/Analog
- ◆ Support both single & dual link implementations using TMDS®
- ◆ Rugged, shielded connectors provide improved EMI/RFI performance
- ◆ May be overmolded or assembled. Metal Shield, molded boot, and thumbscrews sold separately
- ◆ Plug and Play interface allows system to be plugged and unplugged without the need for shutting down or reconfiguring.

CA-  DVIP  -A-  -A

POSITION	TYPE	HOUSING
17 = (analog/single link)	A = analog (17)	B = black
18 = (digital/single link)	D = digital (18 or 24)	W = white
23 = (integrated/single link)	I = integrated (23 or 29)	
24 = (digital/dual link)		
29 = (integrated/dual link)		

Consult factory for additional contact and shell plating options.

### Customer Drawing Numbers

17 position	CA-H820004
18 position	CA-H820003
23 position	CA-H820001
24 position	CA-H820002
29 position	CA-H820005

# DVI CABLE ASSEMBLIES

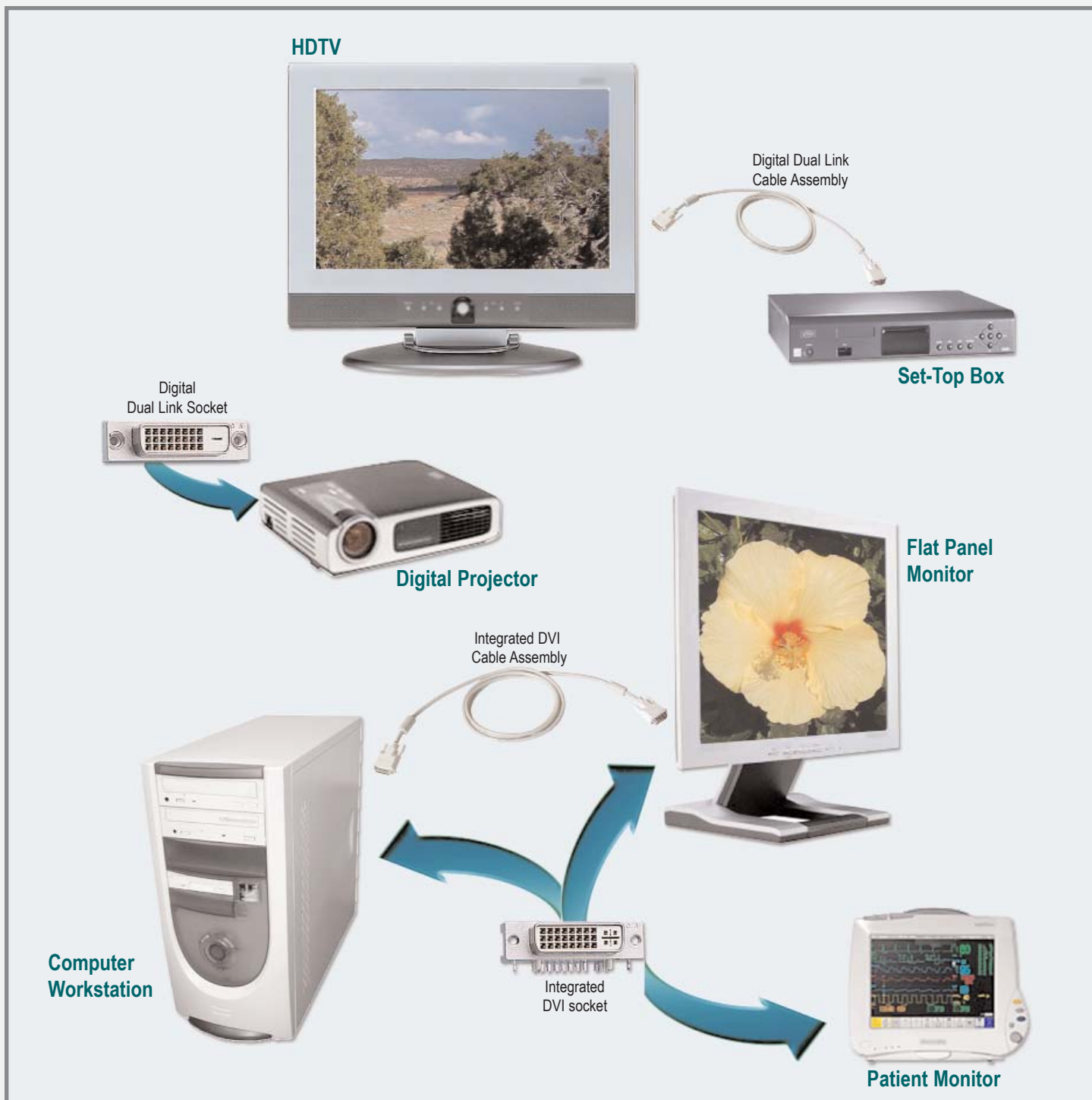


CONNECTOR	PART NUMBER/DESCRIPTION	CONNECTOR
	<b>CA-U702006</b> DVI-Analog to Video Graphics Array CA-17DVIPA-A to 15-pin high density male	
	<b>CA-U702005</b> DVI-Analog to DVI-Analog CA-17DVIPA-A to CA-17DVIPA-A	
	<b>CA-U702002</b> DVI-Digital to DFP (digital flat panel) CA-18DVIPD-A to 20-pin MDR	
	<b>CA-U702003</b> DFP to DFP (digital flat panel) 20-pin MDR to 20-pin MDR	
	<b>CA-U702001</b> DVI-Digital to DVI-Digital (single link) CA-18DVIPD-A to CA-18DVIPD-A	
	<b>CA-U702007</b> DVI-Integrated to DVI-Integrated (digital/analog, single link) CA-23DVIIPI-A to CA-23DVIIPI-A	
	<b>CA-U702004</b> DVI-Digital to DVI-Digital (dual link) CA-24DVIPD-A to CA-24DVIPD-A	
	<b>CA-U702008</b> DVI-Integrated to DVI-Integrated (digital/analog, dual link) CA-29DVIIPI-A to CA-29DVIIPI-A	

**Standard Configuration** CA logo White cable & overmold Ferrite (white) 2 meter length  
 Consult factory for custom cable options

*Circuit Assembly Corp is a licensed DVI adopter for manufacture of DVI-compliant products.*

# DVI APPLICATIONS



## SUGGESTED APPLICATIONS

### DISPLAYS

LCDs  
High Resolution Video Products  
Flat Panel/HDTV

### ENTERTAINMENT

Set-Top Boxes  
HDTV  
DVD Players

### MISCELLANEOUS

Security/Video Monitoring  
Medical Equipment/Patient Monitoring  
Digital Projection Systems



# Circuit Assembly.

building connections  
**WORLDWIDE**

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► **Sales Office Locations**

California, Colorado, Indiana, Illinois,  
New England, Ohio, Oregon, Southeast, Texas,  
Canada, China, Hong Kong, Mexico, Taiwan, Italy, UK

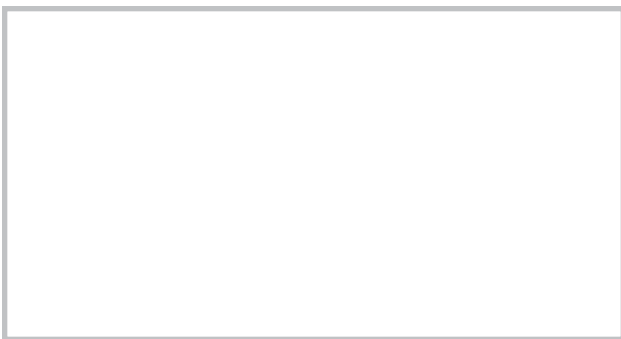
► **Manufacturing & Assembly Plants**

Circuit Assembly Corp  
Irvine, California

Circuit Assembly Taiwan  
Taipei, Taiwan

Circuit Assembly Mexico  
Industrias Melang  
Ensenada, Mexico

Circuit Assembly China  
Shen Zhen, China



**Circuit Assembly**

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