

# Cable Connector Reference Chart

## Computer

VGA		DVI			DisplayPort	
Video Graphics Array		Digital Visual Interface			Mini DisplayPort	
Name	VGA (15-Pin)	DVI (24-Pin)	Mini-DVI (32-Pin)	Micro-DVI (34-Pin)	DisplayPort (20-Pin)	Mini DisplayPort (20-Pin)
Info	<p><b>Function</b></p> <p>Video - Analog</p> <p><b>Supported Resolutions</b></p> <p>640 x 480 VGA 800 x 600 Super VGA 1280 x 800 HGA 1600 x 1200 Ultra VGA 2048 x 1536 Quad VGA</p> <p><b>Common Uses</b></p> <p>Video projectors Many PC laptops Other computers and monitors Power Mac G4 (2000 - 2002) Thinkpad PowerBook G4 (2001)</p>	<p><b>Function</b></p> <p>Video &amp; Data - Analog &amp; Digital</p> <p><b>Supported Resolutions</b></p> <p>1280 x 800 Wide VGA 1280 x 1024 WUXGA 2560 x 1600 Wide Quad VGA (Quad Link only) 3840 x 2400 Ultra Quad VGA (Quad Link only)</p> <p><b>Common Uses</b></p> <p>Many computers and monitors Recent projectors</p>	<p><b>Function</b></p> <p>Video, Audio, Data &amp; Power (Thunderbolt only) - Digital</p> <p><b>Supported Resolutions</b></p> <p>1280 x 720 HD 720 1600 x 1080 HD 1080 1920 x 1080 Full HD 1080i 3840 x 2160 Quad Full HD</p> <p><b>Common Uses</b></p> <p>17" Aluminum PowerBook G4 (late 2000 - 2006) MacBook Air (early 2008)</p>	<p><b>Function</b></p> <p>Video, Audio, Data &amp; Power (Thunderbolt only) - Digital</p> <p><b>Supported Resolutions</b></p> <p>1280 x 720 HD 720 1600 x 1080 HD 1080 1920 x 1080 Full HD 1080i 3840 x 2160 Quad Full HD</p> <p><b>Common Uses</b></p> <p>Intel iMac (late 2009 - mid 2009) Intel MacBook (2008 - mid 2009) Intel Aluminum iMac (2007 - early 2009) Intel Mac Mini (2008)</p>	<p><b>Function</b></p> <p>Video, Audio, Data &amp; Power (Thunderbolt only) - Digital</p> <p><b>Supported Resolutions</b></p> <p>1280 x 720 HD 720 1600 x 1080 HD 1080 1920 x 1080 Full HD 1080i 3840 x 2160 Quad Full HD</p> <p><b>Common Uses</b></p> <p>Aluminum Unibody MacBook Base (late 2008 - mid 2009) Pebble Unibody MacBook Base (late 2009 - present) Intel MacBook Pro Base (late 2008 - present) MacBook Air Base (2008 - present) Mac Mini (early 2009 - present) Mac Pro (early 2009 - present) Aluminum Unibody Mac Base (late 2009 - present)</p>	<p><b>Function</b></p> <p>Video - Analog</p> <p><b>Supported Resolutions</b></p> <p>1920 x 1080 WUXGA (V1.0 - V2.0) 2560 x 1600 WUQX (V1.0 - V2.0) 4096 x 2160 8K (V1.0)</p> <p><b>Common Uses</b></p> <p>Many laptop computers Aluminum Unibody MacBook Base (late 2008 - mid 2009) Pebble Unibody MacBook Base (late 2009 - present) Intel MacBook Pro Base (late 2008 - present) MacBook Air Base (2008 - present) Mac Mini (early 2009 - present) Mac Pro (early 2009 - present) Aluminum Unibody Mac Base (late 2009 - present)</p>
Male						
Female						

## Video

HDMI			
High-Definition Multimedia Interface			
Name	HDMI Type A (19-Pin)	Mini-HDMI Type C (19-Pin)	Micro-HDMI Type D (19-Pin)
Info	<p><b>Function</b></p> <p>Video, Audio &amp; Data - Digital</p> <p><b>Supported Resolutions</b></p> <p>1920 x 1080 WUXGA (V1.0 - V1.2) 2560 x 1600 WUQX (V1.0 - V1.2) 4096 x 2160 8K (V1.0)</p> <p><b>Common Uses</b></p> <p>1 - 8 Channels @ 102 Mbps 10 - 24 Gbps</p>		
Male			
Female			

Component		Composite		
RCA (YPbPr)		RCA (YUV)		
Info	<p><b>Function</b></p> <p>Video - Analog</p> <p><b>Supported Resolutions</b></p> <p>640 x 480 HD (4:4:4) (Mac/PC) 1280 x 720 HD 720 1920 x 1080 1080i</p> <p><b>Common Uses</b></p> <p>Many laptop computers, video projectors, video recorders</p>	<p><b>Function</b></p> <p>Video - Analog</p> <p><b>Supported Resolutions</b></p> <p>640 x 480 HD 1280 x 720 HD 720 1920 x 1080 1080i</p> <p><b>Common Uses</b></p> <p>Many TV, media players, video projectors, video recorders, consumer audio equipment</p>	Male	
Female		Female		

BNC		F Connector		S-Video			
Bayonet Neill-Concelman		Coaxial RF		Separate Video			
Info	<p><b>Function</b></p> <p>Video &amp; Power - Analog &amp; Digital</p> <p><b>Supported Resolutions</b></p> <p>Up to 1080i (V1.0)</p> <p><b>Common Uses</b></p> <p>Video projectors, professional video equipment</p>	<p><b>Function</b></p> <p>Video - Analog &amp; Digital</p> <p><b>Supported Resolutions</b></p> <p>Up to 1080i (V1.0)</p> <p><b>Common Uses</b></p> <p>Most TV and set-top boxes Other media players</p>	Male		<p><b>Function</b></p> <p>Video - Analog</p> <p><b>Supported Resolutions</b></p> <p>704 x 480 480i</p> <p><b>Common Uses</b></p> <p>Many older TV, DCP players, video projectors, cameras</p>	Female	
Female		Female		Male		Female	

## Audio

TRS (Audio Jack)			
Tip Ring Sleeve Connector			
Name	TS	TRS	TRRS
Info	<p><b>Function</b></p> <p>Audio &amp; Video - Analog</p> <p><b>Audio</b></p> <p>1 Channel - 2 Unbalanced Channels</p> <p><b>Common Uses</b></p> <p>Mono audio connections Stereo audio and video Stereo audio and microphones Most consumer audio devices Some video recorders</p>		
Male			
Female			

Stereo Audio RCA		Digital RCA		Optical		
Coaxial Audio		Coaxial Audio		Toslink Connector		
Info	<p><b>Function</b></p> <p>Audio - Analog</p> <p><b>Audio</b></p> <p>2 Channels</p> <p><b>Common Uses</b></p> <p>Most TV, media players, video projectors, consumer audio equipment</p>	<p><b>Function</b></p> <p>Audio - Digital</p> <p><b>Audio</b></p> <p>2 Channels @ 192 KHz 16 - 24bits</p> <p><b>Common Uses</b></p> <p>Some newer media players and consumer audio equipment</p>	Male		Male	
Female		Female		Female		

XLR Connector		
XLR (3-Pin)		
Name	XLR (3-Pin)	Mini XLR (3-Pin)
Info	<p><b>Function</b></p> <p>Audio &amp; Data - Analog &amp; Digital</p> <p><b>Audio</b></p> <p>1 - 2 Channels @ 192 KHz 16 - 24bits</p> <p><b>Common Uses</b></p> <p>Most professional audio equipment Many hand-held microphones Audio mixers Some headphones, video cameras and equipment controllers</p>	
Male		
Female		

MIDI		
Musical Instrument Digital Interface		
Name	MIDI (5-Pin)	Mini MIDI (5-Pin)
Info	<p><b>Function</b></p> <p>Audio - Digital</p> <p><b>Audio</b></p> <p>1 Channel @ 31.25 KHz (127)</p> <p><b>Common Uses</b></p> <p>MIDI Controllers Keyboard controllers</p>	
Male		
Female		

speakON		
Function		
Name	SpeakON (4-Pin)	SpeakON (2-Pin)
Info	<p><b>Function</b></p> <p>Audio &amp; Power - Analog</p> <p><b>Audio</b></p> <p>1 Channel</p> <p><b>Power</b></p> <p>&lt;100 Watts</p> <p><b>Common Uses</b></p> <p>Large speakers Amplifiers</p>	
Male		
Female		

## Data

USB							
Universal Serial Bus							
Name	USB Type A (4-Pin)	USB Type B (4-Pin)	Mini-USB Type A (5-Pin)	Mini-USB Type B (5-Pin)	Micro-USB Type A (5-Pin)	Micro-USB Type B (5-Pin)	SuperSpeed 3.0
Info	<p><b>Function</b></p> <p>Data - Digital</p> <p><b>Data Rate</b></p> <p>480 Mbps (2.0 - 2.0) 4.8 Gbps (3.0)</p> <p><b>Power</b></p> <p>2.5 Watts (2.0) 4.5 - 9 Watts (3.0)</p> <p><b>Common Uses</b></p> <p>Most computers and peripherals Many newer TV, monitors, DCP players, some mobile and other devices</p>						
Male							
Female							

## Power

IEC 60320 Couplers				powerCon	
Name	IEC C5/C6	IEC C7/C8	IEC C7P/C8P	IEC C13/C14	powerCon
Info	<p><b>Function</b></p> <p>Power</p> <p><b>Power</b></p> <p>&lt;250 Watts</p> <p><b>Common Uses</b></p> <p>All power connections</p>				
Male					
Female					