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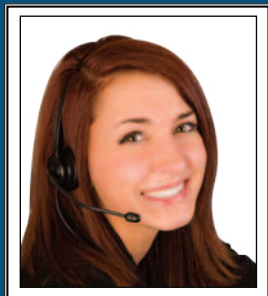
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### Dear Friend,

We have one goal at VPI – to make your life easier by providing connectivity products of exceptional quality with friendly, knowledgeable service.

VPI cables have become known worldwide for delivering crisp and clear images with no signal degradation. As our product line has expanded, we have carried this dedication to quality and innovation through our wide variety of cables, adapters, hubs, switches and splitters – everything you need to connect your PC, MAC or SUN computer to the peripherals you prefer. We've been awarded with over 20 consecutive years of dramatic growth.

If you are a past customer, THANK YOU! This catalog is dedicated to bringing you a wider range of products and new low prices on the connectivity solutions you use most. If you are new to us, we invite you to experience VPI quality for yourself. We make a personal commitment to your complete satisfaction.

Thanks again for the opportunity to earn your business.

Sincerely,

Product Consultation Team

## Terms

- ▶ Net 30, pending approved credit
- ▶ Visa, Mastercard & Discover

## VPI's Guarantee. . .

We are committed to providing our customers with high quality products that are easy to use. All of our units are rigorously tested to ensure proper and long lasting operation. Complete customer satisfaction is supported with a one (1) year warranty.



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## CAT5e/6 Right, Left, Down and Up Angled Cables



Right Angle  
(clip on top)



Left Angle  
(clip on top)



Down Angle  
(clip on top)



Up Angle  
(clip on top)



Straight

Cable Colors  
WHITE BLUE  
GRAY BLACK

RA = Right Angle to Right Angle  
 LA = Left Angle to Left Angle  
 RAS = Right Angle to Straight

LAS = Left Angle to Straight  
 DAS = Down Angle to Straight  
 UAS = Down Angle to Straight

### CAT5e Angled Patch Cables

Part #	Length (ft.)	Price \$
CAT5E-RA-2-	2	2.85
CAT5E-RA-3-GRAY	3	3.35
CAT5E-RA-4-GRAY	4	3.85
CAT5E-RA-5-GRAY	5	4.25
CAT5E-RA-6-	6	4.40
CAT5E-RA-7-GRAY	7	4.70
CAT5E-RA-8-GRAY	8	5.05
CAT5E-RA-9-	9	5.45
CAT5E-RA-10-GRAY	10	5.85
CAT5E-RA-11-GRAY	11	6.15
CAT5E-RA-12-GRAY	12	6.55
CAT5E-RA-13-GRAY	13	7.05
CAT5E-RA-14-GRAY	14	7.55
CAT5E-RA-15-GRAY	15	7.85
CAT5E-RAS-2-	2	2.85
CAT5E-RAS-6-	6	4.40
CAT5E-RAS-9-	9	5.45
CAT5E-RAS-15-GRAY	15	7.85
CAT5E-LA-2-	2	2.85
CAT5E-LA-6-	6	4.40
CAT5E-LA-9-	9	5.45
CAT5E-LA-15-GRAY	15	7.85
CAT5E-LAS-2-	2	2.85
CAT5E-LAS-6-	6	4.40
CAT5E-LAS-9-	9	5.45
CAT5E-LAS-15-GRAY	15	7.85
CAT5E-DAS-2-	2	2.15
CAT5E-DAS-3-GRAY	3	2.40
CAT5E-DAS-4-GRAY	4	2.85
CAT5E-DAS-5-GRAY	5	3.30
CAT5E-DAS-6-	6	3.75
CAT5E-DAS-7-GRAY	7	4.20
CAT5E-DAS-8-GRAY	8	4.65
CAT5E-DAS-9-	9	5.10
CAT5E-DAS-10-GRAY	10	5.55
CAT5E-DAS-11-GRAY	11	6.00
CAT5E-DAS-12-GRAY	12	6.45
CAT5E-DAS-13-GRAY	13	6.90
CAT5E-DAS-14-GRAY	14	7.35
CAT5E-DAS-15-GRAY	15	7.80
CAT5E-UAS-2-	2	2.15
CAT5E-UAS-3-GRAY	3	2.40
CAT5E-UAS-5-GRAY	5	3.30
CAT5E-UAS-6-	6	3.75
CAT5E-UAS-7-GRAY	7	4.20
CAT5E-UAS-9-	9	5.10
CAT5E-UAS-10-GRAY	10	5.55
CAT5E-UAS-15-GRAY	15	7.80



### CAT5e Shielded Angled Patch Cables

Part #	Length (ft.)	Price \$
CAT5E-RA-2-GRAY-SHLD	2	2.60
CAT5E-RAS-2-GRAY-SHLD	2	2.60
CAT5E-LAS-2-GRAY-SHLD	2	2.60

### CAT6 Angled Patch Cables

Part #	Length (ft.)	Price \$
CAT6-RA-2-GRAY	2	2.45
CAT6-RA-3-GRAY	3	3.05
CAT6-RA-4-GRAY	4	3.65
CAT6-RA-5-GRAY	5	4.30
CAT6-RA-6-GRAY	6	4.85
CAT6-RA-7-GRAY	7	5.45
CAT6-RA-8-GRAY	8	6.05
CAT6-RA-9-GRAY	9	6.65
CAT6-RA-10-GRAY	10	6.95
CAT6-RA-11-GRAY	11	7.45
CAT6-RA-12-GRAY	12	7.95
CAT6-RA-13-GRAY	13	8.55
CAT6-RA-14-GRAY	14	8.95
CAT6-RA-15-GRAY	15	9.65
CAT6-RAS-2-GRAY	2	2.45
CAT6-RAS-9-GRAY	9	6.65
CAT6-RAS-15-GRAY	15	9.65
CAT6-LA-2-GRAY	2	2.45
CAT6-LA-9-GRAY	9	6.65
CAT6-LA-15-GRAY	15	9.65
CAT6-LAS-2-GRAY	2	2.45
CAT6-LAS-9-GRAY	9	6.65
CAT6-LAS-15-GRAY	15	9.65
CAT6-UAS-2-GRAY	2	2.60
CAT6-UAS-3-GRAY	3	2.90
CAT6-UAS-5-GRAY	5	4.00
CAT6-UAS-7-GRAY	7	5.05
CAT6-UAS-10-GRAY	10	6.70
CAT6-UAS-15-GRAY	15	9.40

## CAT6 Shielded Angled Patch Cables

Part #	Length (ft.)	Price \$
CAT6-RA-2-GRAY-SHLD	2	3.05
CAT6-RA-9-GRAY-SHLD	9	7.05
CAT6-RA-15-GRAY-SHLD	15	9.95
CAT6-RAS-2-GRAY-SHLD	2	3.05
CAT6-RAS-9-GRAY-SHLD	9	7.05
CAT6-RAS-15-GRAY-SHLD	15	9.95
CAT6-LA-2-GRAY-SHLD	2	3.05
CAT6-LA-9-GRAY-SHLD	9	7.05
CAT6-LA-15-GRAY-SHLD	15	9.95
CAT6-LAS-2-GRAY-SHLD	2	3.05
CAT6-LAS-9-GRAY-SHLD	9	7.05
CAT6-LAS-15-GRAY-SHLD	15	9.95
CAT6-RLA-2-GRAY-SHLD	2	3.45
CAT6-RLA-3-GRAY-SHLD	3	4.10
CAT6-RLA-6-GRAY-SHLD	6	5.80
CAT6-RLA-7-GRAY-SHLD	7	6.40
CAT6-RLA-9-GRAY-SHLD	9	7.45

## CAT5e Shielded Super Flat Patch Cables



Cable Thickness = 0.10"  
(Standard Cable)



Available Colors: **Black**

Part #	Length (ft.)	Price \$
CAT5E-SF-1-SHLD	1	8.30
CAT5E-SF-2-SHLD	2	8.60
CAT5E-SF-3-SHLD	3	9.25
CAT5E-SF-5-SHLD	5	10.65
CAT5E-SF-7-SHLD	7	12.05
CAT5E-SF-10-SHLD	10	15.00
CAT5E-SF-14-SHLD	14	17.80
CAT5E-SF-25-SHLD	25	25.40
CAT5E-SF-50-SHLD	50	42.35

## CAT5E Industrial Shielded Super Flat Cables

Cable Thickness = 0.12"  
(Industrial Cable)



- Operating temperature: 32° to 176° F (0 to 80° C)

Part #	Length (ft.)	Price \$
CAT5E-SF-3-SHLD-IND	3	9.70
CAT5E-SF-4-SHLD-IND	4	10.70
CAT5E-SF-5-SHLD-IND	5	12.20
CAT5E-SF-7-SHLD-IND	7	14.60
CAT5E-SF-10-SHLD-IND	10	15.65
CAT5E-SF-25-SHLD-IND	25	25.85
CAT5E-SF-50-SHLD-IND	50	43.00

## CAT5e Industrial Shielded Super Flat Cable with Snagless Boot

Cable Thickness = 0.12"  
(Cable with Snagless Boot)



- Operating temperature: 32° to 176° F (0 to 80° C)

Part #	Length (ft.)	Price \$
CAT5E-SF-4-SHLD-SLB-IND	4	7.85

## CAT5e Super Flat Patch Cables



Available Colors:



- 28 AWG stranded UTP cable

Part #	Length (ft.)	Price \$
CAT5E-SF-1-color	1	2.05
CAT5E-SF-2-color	2	2.25
CAT5E-SF-3-color	3	2.60
CAT5E-SF-5-color	5	3.50
CAT5E-SF-7-color	7	4.30
CAT5E-SF-10-color	10	4.50
CAT5E-SF-14-color	14	6.30
CAT5E-SF-25-color	25	9.55
CAT5E-SF-50-color	50	16.95

## CAT6 Super Flat Patch Cables



Cable Thickness = 0.06"



Cable Thickness = 0.07"  
(Cable with Snagless Boot)



- 32 AWG stranded UTP cable

Available Colors: **Black**

Part #	Boot Style	Length (ft.)	Price \$
CAT6-SF-0-5-BLACK	Snagless	0.5	2.95
CAT6-SF-1-BLACK	Snagless	1	3.05
CAT6-SF-1-5-BLACK	Snagless	1.5	3.15
CAT6-SF-2-BLACK	Standard	2	3.35
CAT6-SF-3-BLACK	Standard	3	4.20
CAT6-SF-5-BLACK	Standard	5	4.70
CAT6-SF-7-BLACK	Standard	7	5.00
CAT6-SF-10-BLACK	Standard	10	5.50
CAT6-SF-14-BLACK	Standard	14	6.95
CAT6-SF-15-BLACK	Snagless	15	7.00
CAT6-SF-25-BLACK	Standard	25	11.75
CAT6-SF-45-BLACK	Snagless	45	13.00
CAT6-SF-50-BLACK	Standard	50	23.00

## CAT7 Super Flat Patch Cables

Available Colors: **White**



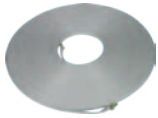
Cable Thickness = 0.08"



- 32 AWG stranded STP cable

Part #	Length (ft.)	Price \$
CAT7-SF-2-WHITE	2	12.00
CAT7-SF-5-WHITE	5	14.00
CAT7-SF-10-WHITE	10	19.00
CAT7-SF-14-WHITE	14	22.00
CAT7-SF-25-WHITE	25	30.00
CAT7-SF-50-WHITE	50	47.00

## CAT7 Shielded Flat Patch Cables



- 27 AWG stranded SSTP cable

Part #	Length (ft.)	Price \$
CAT7-FLT-2-GRAY	2	15.00
CAT7-FLT-5-GRAY	5	18.00
CAT7-FLT-10-GRAY	10	24.00
CAT7-FLT-14-GRAY	14	29.00
CAT7-FLT-25-GRAY	25	44.00
CAT7-FLT-50-GRAY	50	64.00
CAT7-FLT-100-GRAY	100	115.00

## CAT6 Patch Cables



Available Colors:



- 24 AWG stranded UTP cable

Part #	Length (ft.)	Price \$
CAT6-2-color	2	2.00
CAT6-3-color	3	2.40
CAT6-5-color	5	3.00
CAT6-7-color	7	3.50
CAT6-10-color	10	4.50
CAT6-14-color	14	5.00
CAT6-25-color	25	7.00
CAT6-50-color	50	13.00
CAT6-100-color	100	22.00

## CAT6 Stranded Crossover Patch Cables



Available Colors: Gray

- CAT6 stranded crossover cable

Part #	Length (ft.)	Price \$
CAT6-CO-5-GRAY	5	3.00
CAT6-CO-10-GRAY	10	4.50
CAT6-CO-25-GRAY	25	7.00

## CAT6 Shielded Patch Cables



Available Colors:



- 26 AWG stranded SSTP cable

Part #	Length (ft.)	Price \$
CAT6-2-color-SHLD	2	2.80
CAT6-3-color-SHLD	3	3.30
CAT6-5-color-SHLD	5	3.75
CAT6-7-color-SHLD	7	4.25
CAT6-10-color-SHLD	10	4.75
CAT6-14-color-SHLD	14	6.50
CAT6-25-color-SHLD	25	9.00
CAT6-50-color-SHLD	50	13.00
CAT6-100-color-SHLD	100	22.00

## CAT5e Patch Cables



Available Colors:



- 24 AWG stranded UTP cable

Part #	Length (ft.)	Price \$
CAT5E-2-color	2	0.95
CAT5E-3-color	3	1.05
CAT5E-5-color	5	1.20
CAT5E-7-color	7	1.50
CAT5E-10-color	10	1.75
CAT5E-14-color	14	2.25
CAT5E-25-color	25	4.25
CAT5E-50-color	50	7.50
CAT5E-100-color	100	14.00

## CAT6a Patch Cables



Available Colors:



- 24 AWG stranded UTP cable

Part #	Length (ft.)	Price \$
CAT6A-1-GREEN	1	3.35
CAT6A-2-color	2	3.50
CAT6A-3-color	3	3.75
CAT6A-5-color	5	4.50
CAT6A-7-color	7	5.35
CAT6A-10-color	10	6.35
CAT6A-14-color	14	8.00
CAT6A-15-GREEN	15	8.75
CAT6A-20-GREEN	20	10.00
CAT6A-25-color	25	12.00
CAT6A-50-color	50	24.00
CAT6A-75-GREEN	75	30.50
CAT6A-100-color	100	39.00

## CAT7 Patch Cables



Available Colors: Gray

- 27 AWG stranded SSTP cable

Part #	Length (ft.)	Price \$
CAT7-2-GRAY	2	7.00
CAT7-3-GRAY	3	8.00
CAT7-5-GRAY	5	9.00
CAT7-7-GRAY	7	12.00
CAT7-10-GRAY	10	14.00
CAT7-14-GRAY	14	16.00
CAT7-16-GRAY	16	18.00
CAT7-25-GRAY	25	19.00
CAT7-32.5-GRAY	32.5	28.00
CAT7-50-GRAY	50	30.00
CAT7-100-GRAY	100	80.00

## CAT5e Super Flat Bulk Cable



Available Colors:

White Black

- 28 AWG stranded cable
- Length: 250 feet
- Unshielded
  - 0.06" thick
  - Available in black or white
- Shielded
  - 0.10" thick
  - Available in black

## CAT6 Super Flat Bulk Cable



Available Colors:

Black

- 28 AWG stranded UTP cable
- Length: 250 feet
- 0.06" thick
- Available in black

Part #	Description	Price \$
CAT5E-SF-BULK-color	Unshielded	100.00
CAT5E-SF-BULK-SHLD	Shielded	135.00

Part #	Description	Price \$
CAT6-SF-BULK BLACK	Unshielded	115.00

## CAT5e/6/6a/7 Bulk Cable

Available Colors:



- Length: 1,000 feet
- Unshielded, Shielded
- Solid, Stranded
- PVC, Plenum

Part #	Color	Description	Price \$
CAT5E-BULK-color		CAT5e, solid, 24 AWG	87.00
CAT5E-BULK-color-STRND		CAT5e, stranded, 24 AWG	102.00
CAT5E-BULK-STP-SOL-GRAY		CAT5e, shielded, solid, 24 AWG	180.00
CAT5E-BULK-PLNM-GRAY		CAT5e, plenum, solid, 24 AWG	210.00

Part #	Color	Description	Price \$
CAT6-BULK-color		CAT6, solid, 23 AWG	145.00
CAT6-BULK-GRAY-STRND		CAT6, stranded, 24 AWG	123.00
CAT6-BULK-STP-color		CAT6, shielded, solid, 23 AWG	176.00
CAT6-BULK-STP-color-NPC		CAT6, shielded, solid, 23 AWG (not intended for patch cord)	176.00
CAT6-BULK-PLNM-GRAY		CAT6, plenum, solid, 23 AWG	390.00
CAT6-BULK-STP-PLNM-GRAY-NPC		CAT6, plenum, 24 AWG (not intended for patch cord)	445.00

Part #	Color	Description	Price \$
CAT6A-BULK-23-BLUE-NPC		CAT6a, solid, 23 AWG (not intended for patch cord)	340.00
CAT6A-BULK-30-STP-STRND-GREEN		CAT6a, shielded, stranded, 30 AWG	396.00

Part #	Color	Description	Price \$
CAT7-BULK-STRND-GRAY		CAT7, stranded, 26 AWG	790.00
CAT7-BULK-GRAY-NPC		CAT7, solid, 23 AWG (not intended for patch cord)	680.00
CAT7-BULK-STRND-O-BLACK		CAT7, outdoor, 1,400 feet, stranded, 26 AWG	1,000.00
CAT7-BULK-STRND-ODB-BLACK		CAT7, outdoor direct burial, stranded, 26 AWG	1,540.00



## CAT5e RJ45 Plugs



- 24 to 26 AWG

Part #	Description	Price \$
E-PLG-SOLID	Solid	0.75
E-PLG-STRANDED	Stranded	0.55

## CAT5e Tooless RJ45 Plug



- Easy to wire RJ45 plug for CAT5e round cable
- 24 to 26 AWG

Part #	Description	Price \$
E-PLG-TOOLESS	Solid or Stranded	1.85

## CAT6 RJ45 Plugs



- 24 to 26 AWG

Part #	Description	Price \$
6-PLG-SOLID	Solid	0.92
6-PLG-STRANDED	Stranded	0.73

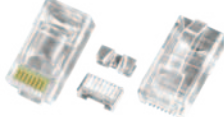
## CAT6 Tooless RJ45 Plug



- Easy to wire RJ45 plug for CAT6 round cable
- 24 to 26 AWG

Part #	Description	Price \$
6-PLG-TOOLESS	Solid or Stranded	2.00

## CAT6a RJ45 Plug



- 24 to 26 AWG

Part #	Description	Price \$
6A-PLG-STRANDED	Stranded	0.85

## CAT6a Shielded RJ45 Plug with Boot



- 24 to 26 AWG
- Snagless boot

Part #	Description	Price \$
6A-PLG-SH-BT	Shielded	1.30

## CAT5e Shielded RJ45 Plugs



- 24 to 26 AWG

Part #	Description	Price \$
E-PLG-SOLID-SH	Solid Shielded	1.12
E-PLG-STRANDED-SH	Stranded Shielded	1.05

## CAT5e Tooless RJ45 Plug with Boot



- Easy to wire RJ45 plug with a strain-relief boot for CAT5e round cable
- 24 to 26 AWG

Part #	Description	Price \$
E-PLG-TOOLESS-BT	Solid or Stranded	4.75

## CAT6 Shielded RJ45 Plugs



- 24 to 26 AWG

Part #	Description	Price \$
6-PLG-SOLID-SH	Solid Shielded	2.06
6-PLG-STRANDED-SH	Stranded Shielded	1.82

## CAT6 RJ45 Plug, 23 to 26 AWG



- 23 to 26 AWG

Part #	Description	Price \$
6-PLG-AWG2326	Solid or Stranded	0.68

## CAT6 Shielded RJ45 Plug w/Cable Clip



- Hirose Type RJ45 plug for CAT6 round cable, with cable clip
- 24 to 26 AWG

Part #	Description	Price \$
6-PLG-SOLID-SH-CLP	Solid, Shielded	1.65
6-PLG-STRANDED-SH-CLP	Stranded, Shielded	1.50

## CAT6a Shielded RJ45 Plug with Cable Clip



- 23 to 26 AWG

Part #	Description	Price \$
6A-PLG-SH-CLP	Solid or Stranded, Shielded	1.80



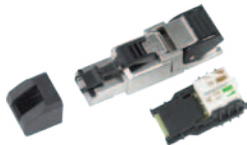
## RJ45 Plugs for Super Flat Cable



- Unshielded

Part #	Description	Price \$
CAT5E-SF-RJ45	CAT5e, Solid	0.75
CAT6-SF-RJ45	CAT6, Solid	0.80

## CAT6a Shielded Field Assembly RJ45 Connector



- High-quality CAT6a Shielded RJ45 plug terminates on-site in less than 60 seconds, wired to either TIA/EIA 568A or 568B termination
- For stranded or solid conductors
- 22 to 27 AWG

Part #	Termination	Price \$
6A-PLG-SH-AFA	TIA/EIA 568A	33.00
6A-PLG-SH-BFA	TIA/EIA 568B	30.00

## Low Profile Strain-Relief Boot Cover



Available Colors:

Gray	Green
Blue	White
Black	Yellow
Red	

- No wider than an RJ45 plug

Part #	Outside Diameter (mm)	Price \$
BOOT-SKNY5-5-GRAY	5.5	0.25
BOOT-SKNY5-5-BLUE	5.5	0.25
BOOT-SKNY6-BLACK	6	0.25
BOOT-SKNY6-RED	6	0.25
BOOT-SKNY6-GREEN	6	0.25
BOOT-SKNY6-GRAY	6	0.25
BOOT-SKNY6-5-GREEN	6.5	0.25
BOOT-SKNY6-WHITE	7	0.25
BOOT-SKNY7-YELLOW	7	0.25
BOOT-SKNY7-GRAY	7	0.25
BOOT-SKNY7-BLUE	7	0.25

## CAT6 Shielded Field Assembly RJ45 Connector



- High-quality CAT6 RJ45 plug terminates on-site in less than 60 seconds
- For stranded or solid conductors
- 22 to 26 AWG

Part #	Description	Price \$
6-PLG-SH-FA	Shielded	39.00

## CAT6a Shielded Field Assembly RJ45 Keystone Jack



- High-quality Shielded Keystone Jack assembles on-site in less than 60 seconds, wired to either TIA/EIA 568A or 568B termination
- For stranded or solid conductors
- 22 to 27 AWG

Part #	Termination	Price \$
JCK-6A-SHLD-AFA	TIA/EIA 568A	18.00
JCK-6A-SHLD-BFA	TIA/EIA 568B	18.00

## Long Strain-Relief Boot Cover



- Length: 3.5 inches

Part #	Outside Diameter (mm)	Price \$
BOOT-LONG6-YELLOW	6	1.10

## CAT6 Hirose Type Boot Cover



Available Colors:

Black	White
-------	-------

- Fits Hirose type RJ45 Plugs

Part #	Outside Diameter (mm)	Price \$
BOOT-CLP6-5-BLACK	6.5	0.25
BOOT-CLP6-5-WHITE	6.5	0.25

## CAT5e Vertical Keystone Jack

Available Colors:

Black	Red
Blue	Orange
Gray	White
Green	Yellow
Ivory	



- Vertical orientation
- Type 110 connectors

Part #	Description	Price \$
JCK-5E-V-color	Unshielded	3.20

## CAT5e Toolless Vertical Keystone Jack



- Vertical orientation
- Toolless termination

Part #	Description	Price \$
JCK-5E-V-TOOLESS	Unshielded	2.95

## CAT6 Toolless Vertical Keystone Jack

Available Colors:

Black	White
-------	-------



- Vertical orientation
- Type 110 connectors

Part #	Description	Price \$
JCK-6-TOOLESS-color	Unshielded	2.95

## CAT6 Mini Horizontal Keystone Jacks



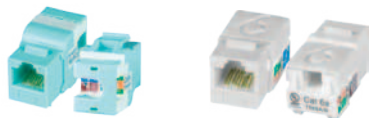
Unshielded

Shielded

- Horizontal orientation
- Type 110 connections
- For high density applications
- 0.675" wide

Part #	Description	Price \$
JCK-6-HM	Unshielded	6.99
JCK-6-HM-SHLD	Shielded	7.59

## CAT6A Mini Keystone Jacks



Horizontal

Vertical

- Horizontal and vertical orientation
- Type 110 connections

Part #	Description	Price \$
JCK-6A-HM-GREEN	Horizontal	8.35
JCK-6A-VM-WHITE	Vertical	10.00

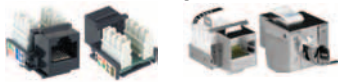
## CAT5e Shielded Vertical Keystone Jack



- Vertical orientation
- Type 110 connectors

Part #	Description	Price \$
JCK-5E-V-SHLD	Shielded	7.19

## CAT6 Vertical Keystone Jacks



Unshielded

Shielded

Available Colors:  
(for Unshielded Jacks)

Black	Red
-------	-----

- Vertical orientation
- Type 110 connectors

Part #	Description	Price \$
JCK-6-V-color	Unshielded	6.39
JCK-6-V-SHLD	Shielded	7.99

## CAT6 Horizontal Keystone Jacks



Unshielded

Shielded

- Horizontal orientation
- Type 110 connections
- 0.825" wide

Part #	Description	Price \$
JCK-6-H	Unshielded	6.79
JCK-6-H-SHLD	Shielded	8.19

## CAT6A Toolless Vertical Keystone



- Vertical orientation
- Fully Shielded
- For high density applications
- 0.63" wide

Part #	Description	Price \$
JCK-6A-V-TOOLESS-SHLD		11.20

## Leviton Vertical Keystone Jacks



- Vertical orientation
- Type 110 connections

Part #	Description	Price \$
JCK-5E-V-WHITE-L	CAT5e	5.00
JCK-5-V-WHITE-L	CAT5	6.00
JCK-3-V-WHITE-L	CAT3	5.40

## RJ45 Crossover Adapters



Available Colors:



Part #	Description	Price \$
CAT5-CO-MF	Red	3.52
CAT5-CO-MF-BLUE	Blue	3.52

## CAT5e RJ45 Coupler



Part #	Description	Price \$
RJ45-FF	Unshielded	3.00

## CAT5e Shielded Keystone Coupler



Part #	Description	Price \$
RJ45-FF-SNP-SHLD	Shielded	5.12

## CAT6 RJ45 Coupler



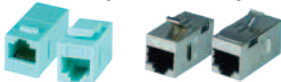
Part #	Description	Price \$
RJ45-6-FF-WHITE	Unshielded	8.00

## CAT6 Shielded Keystone Coupler



Part #	Description	Price \$
RJ45-6-FF-SNP-SHLD	Shielded	9.10

## CAT6a Keystone Couplers



Unshielded

Shielded

Part #	Description	Price \$
RJ45-6A-FF-SNP-GREEN	Unshielded	11.10
RJ45-6A-FF-SNP-SHLD	Shielded	13.50

## RJ45 Male Plug Cover



- Fits all standard RJ45 plugs

Part #	Description	Price \$
CVR-RJ45PLG	RJ45 plug	0.20

## RJ11 Female Jack Covers



- Fits all standard RJ11 ports

Part #	Description	Price \$
CVR-RJ11JCK	RJ11 jack	0.25

## RJ45 RS232 Serial Crossover Adapter



- For connecting two like serial devices (DCE or DTE) directly
- Cable Length: 6"

Part #	Price \$
RJ45MF-RS232-CO	6.00

## CAT5e Keystone Coupler



Available Colors:



Part #	Description	Price \$
RJ45-FF-SNP-color	Unshielded	3.60

## CAT5e Inline Couplers



- Connecting block for two 4-pair CAT5e cables
- Type 110 connectors

Part #	Description	Price \$
RJ45-FF-BLCK	Unshielded	3.99
RJ45-FF-BLCK-SHLD	Shielded	4.32

## CAT6 Inline Couplers



- Connecting block for two 4-pair CAT6 cables
- Type 110 connectors

Part #	Description	Price \$
RJ45-6-FF-BLCK	Unshielded	6.90
RJ45-6-FF-BLCK-SHLD	Shielded	10.50

## CAT6a RJ45 Coupler



Part #	Description	Price \$
RJ45-6A-FF-WHITE	Unshielded	10.95

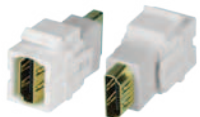
## RJ45 Female Jack Covers



- Fits all standard RJ45 ports

Part #	Description	Price \$
CVR-RJ45JCK	White	0.20
CVR-RJ45JACK-F	Black, flush	0.30

## HDMI Keystone Insert



- HDMI female-to-female connector
- Accommodates HDTV applications

Part #	Description	Price \$
KY-HDMI-FF	Female to Female	7.50

## S-Video Keystone Inserts



Female to Female

Female to Male

Part #	Description	Price \$
KY-SV-FF	Female to Female	6.00
KY-SV-FM	Female to Male	6.00

## F-Type Keystone Insert



- Female-to-female F-type connector

Part #	Description	Price \$
KY-F-FF	Female to Female	2.75

## USB Keystone Inserts



- USB female-to-female connector

Part #	Description	Price \$
KY-USBA-FF	Type-A Female to Female	8.75
KY-USBB-FF	Type-B Female to Female	8.75

## Fiber Optic Keystone Inserts



- Female-to-female connectors
- Feed-thru coupler for fiber applications

Part #	Description	Price \$
KY-FIBER-S-ST	Simplex ST	5.70
KY-FIBER-S-SC	Simplex SC	5.70
KY-FIBER-S-MTRJ	Simplex MTRJ	9.00
KY-FIBER-D-LC	Duplex LC	10.20

## TOSLINK Keystone Insert



- TOSLINK EIAJ optical female-to-female connector
- Accommodates digital optical audio applications

Part # (x = color)	Description	Price \$
KY-TOS-x-FF	Female to Female	10.95

## RCA Keystone Inserts



- Female-to-female RCA connectors

Part #	Color	Price \$
KY-RCA-W-FF	White	5.00
KY-RCA-R-FF	Red	5.00
KY-RCA-Y-FF	Yellow	5.00

## Speaker Terminal Keystone Insert



- Screw type solderless terminals

Part #	Description	Price \$
KY-ST-FF	Screw terminals	4.25

## 1394 Firewire Keystone Inserts



- Firewire female-to-female connectors

Part #	Description	Price \$
KY-1394-6P-FF	6-pin Female to Female	9.00
KY-1394-4P-FF	4-pin Female to Female	9.00

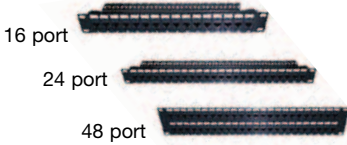
## Blank Keystone Inserts



- Covers any unused ports on modular patch panels or wall plates

Part #	Description	Price \$
KY-BLNK	Individual	0.75
KY-BLNK-10-L	Pack of 10	5.00

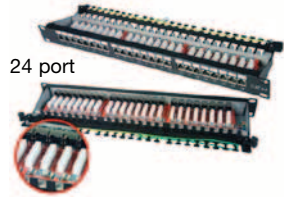
## CAT6a High Density Patch Panels



- Female RJ45 connectors on front and back

Part #	Description	Price \$
PNL-PTCH-6A-16	16-port, 1RU	156.40
PNL-PTCH-6A-24	24-port, 1RU	217.60
PNL-PTCH-6A-48	48-port, 2RU	416.50

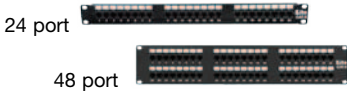
## CAT6a Shielded Patch Panel



- Female RJ45 on front and 110 type wire termination blocks on back

Part #	Description	Price \$
PNL-PTCH-6A-24-SHLD	24-port, 1RU	196.00

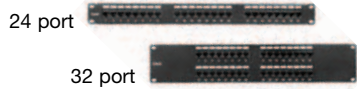
## CAT6 Modular Patch Panels w/LED



- Female RJ45 connectors on front with LED indicator
- Type 110 punchdown connections on back

Part #	Description	Price \$
PNL-PTCH-6-24-L	24-port, 1RU	65.00
PNL-PTCH-6-48-L	48-port, 2RU	130.00

## CAT6 Modular Patch Panels



- Female RJ45 connectors on front
- Type 110 punchdown connections on back

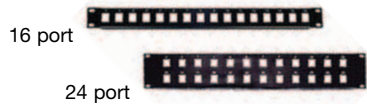
Part #	Description	Price \$
PNL-PTCH-6-24	24-port, 1RU	109.20
PNL-PTCH-6-32	32-port, 2RU	154.20



- Signal Generator easily identifies ports on patch panels with LED indicator

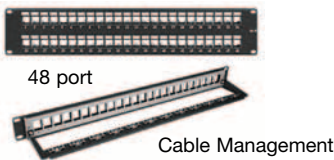
Part #	Price \$
TESTER-PNL-6LED	19.95

## Keystone Insert Patch Panels



Part #	Description	Price \$
PNL-PTCH-KY-16	16-port, 1RU	15.60
PNL-PTCH-KY-24	24-port, 1RU	19.20

## High Density Keystone Patch Panels



Part #	Description	Price \$
PNL-PTCH-MKY6-48	48 port, 2RU	72.00

## Leviton Plastic Keystone Wallplates



Part #	Ports	Price \$
PLT-1-WHITE-L	1-port	3.50
PLT-2-WHITE-L	2-port	3.50
PLT-3-WHITE-L	3-port	3.50
PLT-4-WHITE-L	4-port	3.50
PLT-6-WHITE-L	6-port	3.50

## Plastic Keystone Wallplates



Part #	Ports	Price \$
PLT-1-IVORY	1-port	1.59
PLT-2-IVORY	2-port	1.59
PLT-3-IVORY	3-port	1.59
PLT-4-IVORY	4-port	1.59
PLT-6-IVORY	6-port	1.59

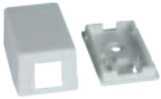
## Leviton Stainless Steel Keystone Wallplate



Part #	Ports	Price \$
PLT-M-1-L	1-Port	8.00
PLT-M-2-L	2-Port	8.00
PLT-M-3-L	3-Port	8.00
PLT-M-4-L	4-Port	8.00
PLT-M-6-L	6-Port	8.00



## Keystone Surface Mount Boxes



- For use with vertical keystone jacks

Part #	Ports	Price \$
BOX-SMKY-WL-1	1-port	1.99
BOX-SMKY-WL-2	2-port	2.49

## CAT5e Shielded Surface Mount Boxes



- Type 110 connections
- 24 to 26 AWG

Part #	Ports	Price \$
BOX-SMKY-WL-1-SHLD	1-port	5.80
BOX-SMKY-WL-2-SHLD	2-port	9.60

## Ethernet over Coax Adapter



- Transforms a building's existing coaxial TV cable into a high speed IP network, co-exists with cable TV service
- Minimum of two units required

Part #	Description	Price \$
ETH-COAX-T	10/100 Base-T Ethernet	160.00

## CAT5/5e/6 Termination Tool Kit



- Kit includes:
- Modular crimping tool
  - Punchdown tool
  - Cable cutter
  - Cable tester

Part #	# of Pieces	Price \$
CAT5-TLKIT	5	98.00

## Basic Computer Tool Kit



- Kit includes:
- 3/16", 1/4" nut driver
  - 3/16", 1/8" flat screwdriver
  - #0, #1 Phillips screwdriver
  - T15 torx screwdriver
  - Chip extractor
  - Tweezers
  - Three prong holder
  - Spare parts tube
  - Black vinyl zipper case

Part #	# of Pieces	Price \$
TLKIT-CPU-12	12	10.00

## CAT5e Surface Mount Boxes



- Type 110 connections
- 24 to 26 AWG

Part #	Ports	Price \$
BOX-SM5E-WL-1	1-port	4.40
BOX-SM5E-WL-2	2-port	7.40

## CAT6 Surface Mount Boxes



- Type 110 connections
- 23 to 24 AWG

Part #	Ports	Price \$
BOX-SM6-WL-1	1-port	9.60
BOX-SM6-WL-2	2-port	17.00

## 10/100/1000 Gb Manual Ethernet Switch



- Manually switch Ethernet connections
- RS232 control optional

Part #	Description	Price \$
ETH-2X1	2-port, 10/100 Mbps	90.00
ETH-2X1-G	2-port, Gigabit	145.00
ETH-2X1-RS-G	2-port, Gigabit, RS232	155.00
ETH-4X1-G	4-port, Gigabit	220.00
ETH-4X1-RS-G	4-port, Gigabit, RS232	230.00

## Computer Technician Tool Kit



- Kit includes:
- Reversible ratchet handle
  - 3/16", 1/4" nut drive bit
  - 0.16", 0.2", 0.24" flat screwdriver bit
  - #0, #1, #2 Phillips screwdriver bit
  - T10, T15 torx screwdriver bit
  - Precision screw driver set
    - 3 piece precision slotted screwdriver set
    - 3 piece Phillips screw driver set
  - Tweezers - 2pcs
    - Standard straight
    - Standard 45°
  - Black vinyl zipper case

Part #	# of Pieces	Price \$
TLKIT-CPU-30	30	30.00



## Modular Crimp Tool



- Crimp tool for RJ11, RJ12 and RJ45 style modular plugs
- Built-in cable cutter and stripper

Part #	Compatible Plugs	Price \$
CRIMP-RJ45	RJ11, RJ12, RJ45	12.49

## CAT5e Super Flat Modular Crimp Tool



- Crimp tool for super flat RJ45 style modular plugs
- Built-in cable cutter and stripper

Part #	Compatible Plugs	Price \$
CRIMP-RJ45-SF	Super flat RJ45	30.00

## CATx Stripper and Punchdown Tool



- Cable jacket stripper and punch down tool
- Type 110 connections

Part #	Connections	Price \$
STRIPPER-CAT5E	Type 110	1.99

## CAT5/5e/6 Cable Tester



- Check continuity
- Check crossed pairs
- Check pinouts

Part #	Price \$
TESTER-CABLE-CAT5	24.99

## Network Tone Probe



- Trace cables and find cable ends
- Telecom polarity tester
- Voltage tester

Part #	Description	Price \$
PROBE-NTWK	Network tone probe	50.00

## Ratcheting Hirose Modular Crimp Tool



- Crimp tool for solid or stranded shielded RJ45 Hirose type plugs
- Ratcheting action for ease of use and accurate crimp quality

Part #	Compatible Plugs	Price \$
CRIMP-RJ45-SH-H	RJ45 Hirose	40.00

## Parallel Crimp Tools for Field Assembly RJ45 Connectors



- Crimp tool for Shielded Field Assembly RJ45 style modular plugs

Part #	Description	Price \$
CRIMP-PLG-FA	Parallel crimp tool	93.00
CRIMP-PLG-FA-LC	Low-cost parallel crimp tool	35.00

## Premium Punchdown Tool



- Punchdown tool punches and cuts wire
- For Type 110 connections

Part #	Connections	Price \$
PNCHDWN	Type 110	24.99

## Network Cable Tester



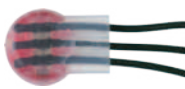
- Network tester
- Pin-by-pin cable tester
- Tone generator: compatible with VPI's PROBE-NTWK network tone probe

Part #	Price \$
TESTER-CABLE-NTWK	80.00

## Wire Tap and Butt Splice Insulation Displacement Connectors



2-Wire Butt Splice



3-Wire Butt Splice



2-Wire Tap Splice

- Available in a variety of contact styles for splicing telecom/telephone wiring, tapping existing wiring, or joining wires of different wire gauges
- Available options include: 2,3, or 4 wire configurations of butt splice, wire tap, inline, and quick snap inline connectors
- Materials: polycarbonate, phosphor bronze, with tin-plated conductors

### 2-Wire Butt Splice Connectors



Part #	Connector Type	Max O.D (mm)	AWG	Price \$
WC-UY	UY	1.52	21-26	0.10
WC-UY2	UY2	2.08	19-26	0.10
WC-8A	8A	2.08	19-26	0.12

### 3-Wire Butt Splice Connectors



Part #	Connector Type	Max O.D (mm)	AWG	Price \$
WC-UR	UR	1.67	19-26	0.15
WC-UR2	UR2	2.08	19-26	0.18

### 2-Wire Bridge Tap Connectors



Part #	Connector Type	Max O.D (mm)	AWG	Price \$
WC-UB	UB	1.27	21-26	0.18
WC-UB2A	UB2A	2.08	19-26	0.18
WC-UG	UG	1.67	19-26	0.18

### 4-Wire Inline Drop Wire Connectors



Part #	Connector Type	Max O.D (mm)	AWG	Price \$
WC-U1R	U1R	3.18	19-26	0.75
WC-U1B	U1B	3.18	16-19	0.75
WC-WC-4I	NA	2.30	19-24	0.75

### 4-Wire Quick Snap Splice Connectors



Part #	Connector Type	Max O.D (mm)	AWG	Price \$
WC-709SC-T	709-SC	1.52	21-26	0.40
WC-709SC-L	709-SC	1.52	21-26	0.40
WC-709SD-T	709-SD	1.52	22-26	0.40

### IDC Connector Crimp Tool



- Crimp tool for wire tap, inline, and butt splice IDC connectors
- Stepped jaws and long nose provide parallel crimping action
- Features a side wire cutter, insulated handles and a return spring

Part #	Description	Price \$
CRIMP-WC	IDC Crimp Tool	16.00

## CAT5e Shielded Waterproof Cables Waterproof/Waterproof Cable Ends



- IP67 rated
- 24 AWG

- Requires RJ45-5EWTWP-CS-JCK or RJ45-5EWTWP-CS-CBL-8l case side connector for complete connection

Part #	Length (ft.)	Price \$
CAT5E-WTP-WW-6-BLACK-SHLD	6	31.00
CAT5E-WTP-WW-8-BLACK-SHLD	8	32.50
CAT5E-WTP-WW-14-BLACK-SHLD	14	33.50
CAT5E-WTP-WW-24-BLACK-SHLD	24	40.00

## CAT5e Shielded Waterproof Cables Waterproof/RJ45 Cable Ends



- IP67 rated
- 24 AWG

- Requires RJ45-5EWTWP-CS-JCK or RJ45-5EWTWP-CS-CBL-8l case side connector for complete connection

Part #	Length (ft.)	Price \$
CAT5E-WTP-WR-6-BLACK-SHLD	6	18.00
CAT5E-WTP-WR-8-BLACK-SHLD	8	20.00
CAT5E-WTP-WR-14-BLACK-SHLD	14	23.00
CAT5E-WTP-WR-24-BLACK-SHLD	24	27.00

## CAT5e Shielded Waterproof Cables Waterproof/Unterminated Cable Ends



- IP67 rated
- 24 AWG

- Requires RJ45-5EWTWP-CS-JCK or RJ45-5EWTWP-CS-CBL-8l case side connector for complete connection

Part #	Length (ft.)	Price \$
CAT5E-WTP-WU-6-BLACK-SHLD	6	18.00
CAT5E-WTP-WU-8-BLACK-SHLD	8	20.00
CAT5E-WTP-WU-14-BLACK-SHLD	14	23.00
CAT5E-WTP-WU-24-BLACK-SHLD	24	27.00

## CAT5e Case Side Waterproof RJ45 Connector, with Cable



- IP67 rated

- Requires CAT5E-WTP-Wn-xx-BLACK-SHLD or RJ45-5EWTWP-CB for complete connection

Part #	Price \$
RJ45-5EWTWP-CS-CBL-8l	16.25

## CAT6 Shielded Waterproof Cables Waterproof/Waterproof Cable Ends



- IP67 rated

- Requires RJ45-6WTP-CS-JCK case side connector for complete connection

Part #	Length (ft.)	Price \$
CAT6-WTP-5-BLACK-SHLD	5	15.25
CAT6-WTP-7-BLACK-SHLD	7	17.50
CAT6-WTP-14-BLACK-SHLD	14	25.00
CAT6-WTP-25-BLACK-SHLD	25	37.50

## CAT6 Waterproof Cable Shield



- IP67 rated

- Use to terminate your own waterproof CAT6 cables
- Requires RJ45-6WTP-CS-JCK case side connector for complete connection

Part #	Price \$
RJ45-6WTP-CB	6.88

## CAT6 Case Side Waterproof RJ45 Connector



- IP67 rated

- Attached cap protects connector when not in use
- Requires CAT6-WTP-xx-BLACK-SHLD or RJ45-6WTP-CB for complete connection

Part #	Price \$
RJ45-6WTP-CS-JCK	21.00

## CAT5e Case Side Waterproof RJ45 Connector, with Jack



- IP67 rated

- Requires CAT5E-WTP-Wn-xx-BLACK-SHLD or RJ45-5EWTWP-CB for complete connection

Part #	Price \$
RJ45-5EWTWP-CS-JCK	12.75

## CAT5e Waterproof Cable Side Cable Shield



- IP67 rated

- Requires RJ45-5EWTP-CS-JCK or RJ45-5EWTP-CS-CBL-x case side connector for complete connection

Part #	Price \$
RJ45-5EWTP-CB	7.00

## CAT5e Waterproof Quick Release RJ45 Connector



- IP67 rated

- Shielded RJ45 pass-thru to a receptacle that solders directly to a printed circuit board (PCB)
- Includes both case side and cable side connector for complete connection

Part #	Price \$
RJ45-5EWTP-QR-PCB	15.80

## Waterproof Fiber Optic Case Side Duplex LC Connector



- IP67 rated
- Duplex LC feed-thru coupler

- Requires FIBER-D-LC-WTP-CB cable shield for complete connection

Part #	Price \$
FIBER-D-LC-WTP-CS	16.00

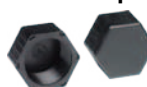
## Waterproof High Density VGA/15HD Backshell Kit



- Field installable IP67 rated weatherproof high density D-Sub HD15 connectors for harsh conditions

Part #	Gender	Price \$
15HDM-WTP-SLDRHD	Male	13.00
15HDF-WTP-SLDRHD	Female	13.00

## CAT5e Waterproof Cable Side RJ45 Cap



- IP67 rated

- Intended for use with RJ45-5EWTP-CS-JCK or RJ45-5EWTP-CS-CBL-81 only

Part #	Price \$
RJ45-5EWTP-CAP	4.00

## CAT5e Waterproof Quick Release RJ45 Cap



- IP67 rated

- Intended for use with RJ45-5EWTP-QR-PCB only

Part #	Price \$
RJ45-5EWTP-QR-CAP	6.00

## Waterproof Fiber Optic Cable Shield



- IP67 rated
- For duplex LC fiber cable

- Requires FIBER-D-LC-WTP-CS case side panel mount connector for complete connection.

Part #	Price \$
FIBER-D-LC-WTP-CB	8.00

## Waterproof Panel Mount High Density VGA/15HD Solder Cup Connectors



- IP68 rated

- Mounts on panels or enclosures 0.078" thick or smaller

Part #	Gender	Price \$
15HDM-WTP-CS-PCB	Male	14.00
15HDF-WTP-CS-PCB	Female	14.00

## Waterproof M8 LED Connectors



- IP68 rated
- M8 panel mount



Part #	Color	Price \$
LED-WTP-RED	Red	7.00
LED-WTP-BLUE	Blue	7.00
LED-WTP-GREEN	Green	7.00
LED-WTP-WHITE	White	7.00
LED-WTP-YELLOW	Yellow	7.00

## USB Type A Waterproof Connectors



- Panel Mount
- Quick release mating style
- Flying leads
- Female

Part #	Waterproof Rating	Price \$
USB2-AF-WTP-CS-QRFL	IP67	14.00



- 1 meter cable
- Quick release mating style
- One end unterminated
- Right angle
- Male

Part #	Waterproof Rating	Price \$
USB2-AM-WTP-RAQR-1M	IP67	16.00



- Panel Mount
- Screw mating style
- Flying leads
- Female

Part #	Waterproof Rating	Price \$
USB2-AF-WTP-CS-FL	IP68	14.00



- 1 meter cable
- Screw mating style
- One end unterminated
- Female

Part #	Waterproof Rating	Price \$
USB2-AM-WTP-1M	IP67	16.00



- 1 meter cable
- Screw mating style
- One end unterminated
- Male

Part #	Waterproof Rating	Price \$
USB2-AM-WTP-1M	IP67	16.00

## USB Type B Waterproof Connectors



- Panel mount
- Quick release mating style
- Flying leads
- Female

Part #	Waterproof Rating	Price \$
USB2-BF-WTP-CS-QRFL	IP67	14.00



- 1 meter cable
- Quick release mating style
- One end unterminated
- Right angle
- Male

Part #	Waterproof Rating	Price \$
USB2-BM-WTP-RAQR-1M	IP67	16.00



- Panel mount
- Screw mating style
- Flying leads
- Female

Part #	Waterproof Rating	Price \$
USB2-BF-WTP-CS-FL	IP68	14.00



- 1 meter cable
- Screw mating style
- One end unterminated
- Female

Part #	Waterproof Rating	Price \$
USB2-BM-WTP-1M	IP67	16.00



- 1 meter cable
- Screw mating style
- One end unterminated
- Male

Part #	Waterproof Rating	Price \$
USB2-BM-WTP-1M	IP67	16.00

## M12 4-Pin Circular Connectors, Mating Set



- Cable side mounting
- Solder type
- Male, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-4PWTP-M	18-28	IPX7	10.50



- Cable side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-4PWTP-CS	18-28	IPX7	14.50



- Panel side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-4PWTP-PS	18-28	IPX8	10.50

## M12 4-Pin Circular Connectors, Mating Set



- Panel side mounting
- Solder type
- Male, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-4PWTP-MPS	22-28	IPX7	14.50



- Cable side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-4PWTP-CS	18-28	IPX7	14.50

## M12 8-Pin Circular Connectors, Mating Set



- Cable side mounting
- Solder type
- Male, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-M	22-28	IPX7	10.50



- Cable side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-CS	22-28	IPX7	10.50



- Panel side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-PS	22-28	IPX7	14.50

## M12 8-Pin Circular Connectors, Mating Set



- Cable side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-CS	22-28	IPX7	10.50



- Panel side mounting
- Solder type
- Male, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-MPS	20-28	IPX7	14.50

## M12 8-Pin Field Assembly Circular Connectors, Mating Set



- Panel side mounting
- Solder type
- Female, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-PS	22-28	IPX7	14.50



- Cable side mounting
- Screw type
- Male, A coded

Part #	AWG	Waterproof Rating	Price \$
M12-8PWTP-M-FA	20	IP67	60.00



VGA Monitor Cable, Male to Female



Part #	Length (ft.)	Color	Price \$
VEXT-3	3	Black	6.00
VEXT-6	6	Gray	9.00
VEXT-10	10	Gray	12.00
VEXT-15	15	Gray	17.00
VEXT-25	25	Gray	25.00
VEXT-35	35	Black	35.00
VEXT-50	50	Black	46.00
VEXT-75	75	Gray	56.00
VEXT-100	100	Gray	74.00

VGA Monitor Cable, Male to Male



Part #	Length (ft.)	Color	Price \$
VEXT-1-5-MM	1.5	Black	5.00
VEXT-3-MM	3	Gray	6.00
VEXT-6-MM	6	Gray	9.00
VEXT-10-MM	10	Gray	12.00
VEXT-15-MM	15	Black	17.00
VEXT-25-MM	25	Black	25.00
VEXT-35-MM	35	Gray	35.00
VEXT-50-MM	50	Black	46.00
VEXT-75-MM	75	Gray	56.00
VEXT-100-MM	100	Black	74.00

Thin VGA Monitor Cable, Male to Female



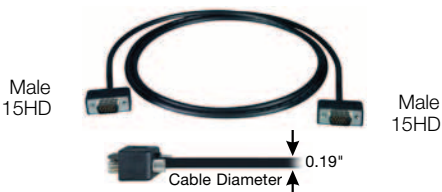
Part #	Length (ft.)	Price \$
VEXT-THN-1-5	1.5	6.00
VEXT-THN-3	3	8.00
VEXT-THN-6	6	10.00
VEXT-THN-10	10	12.00
VEXT-THN-15	15	16.00
VEXT-THN-25	25	23.00
VEXT-THN-35	35	30.00
VEXT-THN-50	50	40.00

Thin VGA Monitor Cable, Male to Male



Part #	Length (ft.)	Price \$
VEXT-THN-1-5-MM	1.5	6.00
VEXT-THN-3-MM	3	8.00
VEXT-THN-6-MM	6	10.00
VEXT-THN-10-MM	10	12.00
VEXT-THN-15-MM	15	16.00
VEXT-THN-25-MM	25	23.00
VEXT-THN-35-MM	35	30.00
VEXT-THN-50-MM	50	40.00

Ultra Thin VGA Cable, Male to Male



Part #	Length (ft.)	Price \$
VEXT-UTHN-1-5-MM	1.5	9.00
VEXT-UTHN-3-MM	3	14.00
VEXT-UTHN-6-MM	6	17.00
VEXT-UTHN-10-MM	10	23.00
VEXT-UTHN-15-MM	15	18.00
VEXT-UTHN-25-MM	25	25.00
VEXT-UTHN-50-MM	50	40.00

VGA+Stereo Audio Cable, Male to Male



Part #	Length (ft.)	Price \$
AVEXT-10-MM	10	13.00
AVEXT-15-MM	15	15.00
AVEXT-25-MM	25	22.00
AVEXT-50-MM	50	42.00
AVEXT-75-MM	75	72.00
AVEXT-100-MM	100	87.00

# Cables

## Super Flat VGA Cable, Male to Female



Male 15HD

Female 15HD

Part #	Length (ft.)	Price \$
VEXT-SF-3	3	5.00
VEXT-SF-10	10	13.00
VEXT-SF-15	15	16.00
VEXT-SF-25	25	23.00
VEXT-SF-35	35	30.00
VEXT-SF-50	50	40.00



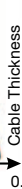
## Super Flat VGA Cable, Male to Male



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-SF-10-MM	10	13.00
VEXT-SF-15-MM	15	16.00
VEXT-SF-25-MM	25	23.00
VEXT-SF-35-MM	35	30.00
VEXT-SF-50-MM	50	40.00



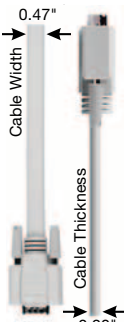
## Flat VGA Monitor Cable, Male to Female



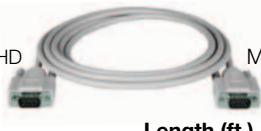
Female 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-FLT-3	3	5.00
VEXT-FLT-6	6	8.00
VEXT-FLT-10	10	13.00
VEXT-FLT-15	15	16.00
VEXT-FLT-25	25	24.00
VEXT-FLT-35	35	32.00
VEXT-FLT-50	50	52.00



## Flat VGA Monitor Cable, Male to Male



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-FLT-1-5-MM	1.5	4.00
VEXT-FLT-3-MM	3	5.00
VEXT-FLT-6-MM	6	8.00
VEXT-FLT-10-MM	10	13.00
VEXT-FLT-15-MM	15	16.00
VEXT-FLT-25-MM	25	24.00
VEXT-FLT-35-MM	35	32.00
VEXT-FLT-50-MM	50	52.00

## VGA Cable, 90 Degree Left to Straight



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-90DL-6-MM	6	22.00
VEXT-90DL-10-MM	10	29.00
VEXT-90DL-15-MM	15	34.00
VEXT-90DL-25-MM	25	49.00

## VGA Cable, 90 Degree Right to Straight



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-90DR-6-MM	6	22.00
VEXT-90DR-10-MM	10	29.00
VEXT-90DR-15-MM	15	34.00
VEXT-90DR-25-MM	25	49.00

## VGA Cable, Down Angle to Straight



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-DAS-1-5-MM	1.5	9.00
VEXT-DAS-3-MM	3	11.00
VEXT-DAS-6-MM	6	14.00
VEXT-DAS-10-MM	10	19.00
VEXT-DAS-15-MM	15	25.00
VEXT-DAS-25-MM	25	37.00
VEXT-DAS-50-MM	50	65.00

## VGA Cable, Up Angle to Straight



Male 15HD

Male 15HD

Part #	Length (ft.)	Price \$
VEXT-UAS-1-5-MM	1.5	9.00
VEXT-UAS-3-MM	3	11.00
VEXT-UAS-6-MM	6	14.00
VEXT-UAS-10-MM	10	19.00
VEXT-UAS-15-MM	15	25.00
VEXT-UAS-25-MM	25	37.00
VEXT-UAS-50-MM	50	65.00

**Plenum VGA Cable, Male to Female**



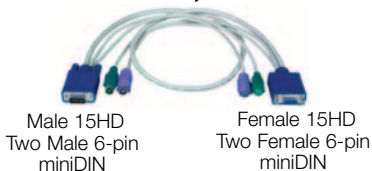
Part #	Length (ft.)	Price \$
VEXT-PLNM-25	25	105.00
VEXT-PLNM-50	50	180.00
VEXT-PLNM-75	75	260.00
VEXT-PLNM-100	100	345.00

**Plenum VGA Cable, Male to Male**



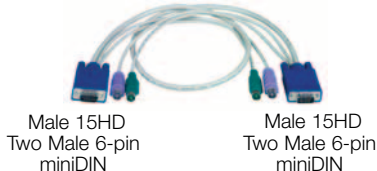
Part #	Length (ft.)	Price \$
VEXT-PLNM-25-MM	25	105.00
VEXT-PLNM-50-MM	50	180.00
VEXT-PLNM-75-MM	75	260.00
VEXT-PLNM-100-MM	100	345.00

**VGA + PS/2 Cable, Male to Female**



Part #	Length (ft.)	Price \$
VKMEXT-3	3	15.00
VKMEXT-6	6	20.00
VKMEXT-10	10	25.00
VKMEXT-15	15	30.00
VKMEXT-25	25	42.00
VKMEXT-35	35	50.00
VKMEXT-50	50	62.00
VKMEXT-75	75	92.00
VKMEXT-100	100	122.00

**VGA + PS/2 Cable, Male to Male**



Part #	Length (ft.)	Price \$
VKMEXT-3-MM	3	15.00
VKMEXT-6-MM	6	20.00
VKMEXT-10-MM	10	25.00
VKMEXT-15-MM	15	30.00
VKMEXT-25-MM	25	42.00
VKMEXT-35-MM	35	50.00
VKMEXT-50-MM	50	62.00
VKMEXT-75-MM	75	92.00
VKMEXT-100-MM	100	122.00

**VGA + USB Cable, Male to Female**



Part #	Length (ft.)	Price \$
USBVEXT-3	3	13.00
USBVEXT-6	6	18.00
USBVEXT-10	10	23.00

**VGA + USB Cable, Male to Male**



Part #	Length (ft.)	Price \$
USBVEXT-3-MM	3	13.00
USBVEXT-6-MM	6	18.00
USBVEXT-10-MM	10	23.00
USBVEXT-15-MM	15	31.00

**PS/2 Kbd & Mse Cable, Male to Female**



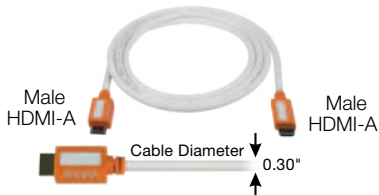
Part #	Length (ft.)	Price \$
VVKINT-3	3	7.00
VVKINT-6	6	8.00
VVKINT-10	10	10.00
VVKINT-15	15	14.00
VVKINT-25	25	18.00
VVKEXT-35	35	35.00
VVKEXT-50	50	45.00
VVKEXT-75	75	60.00
VVKEXT-100	100	78.00

**PS/2 Kbd & Mse Cable, Male to Male**



Part #	Length (ft.)	Price \$
VVKINT-3-MM	3	7.00
VVKINT-6-MM	6	8.00
VVKINT-10-MM	10	9.00
VVKINT-15-MM	15	14.00
VVKINT-25-MM	25	18.00
VVKINT-35-MM	35	35.00
VVKINT-50-MM	50	45.00
VVKEXT-75-MM	75	60.00
VVKEXT-100-MM	100	78.00

**HDMI with Ethernet Cable, Male to Male**



- Supports high-definition video to 4096x2160, multi-channel digital audio, HDMI Ethernet channel, audio return channel, and additional color spaces all on a single cable
- Supports 3D Over HDMI resolutions up to 1080p
- Wire gauge: 28 AWG

Part #	Length (ft.)	Price \$
HDMI14-3-MM	3	8.00
HDMI14-6-MM	6	10.00
HDMI14-8-MM	8	12.00
HDMI14-14-MM	14	15.00
HDMI14-20-MM	20	19.00

**HDMI Cable, Male to Male**



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 28 AWG

Part #	Length (ft.)	Price \$
HDMI-3-MM	3	5.00
HDMI-6-MM	6	6.00
HDMI-9-MM	9	8.00
HDMI-14-MM	14	11.00
HDMI-20-MM	20	17.00
HDMI-30-MM	30	26.00
HDMI-50-MM	50	51.00

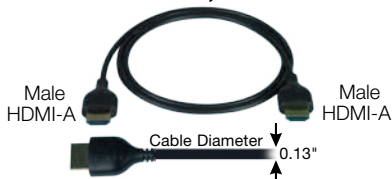
**HDMI Cable, Left Angle to Straight**



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMI-LAS-2M-MM	2	10.00

**Ultra Thin HDMI with Ethernet Cable, Male to Male**



- Supports high-definition video to 4096x2160, multi-channel digital audio, HDMI Ethernet channel, audio return channel, and additional color spaces all on a single cable
- Supports 3D Over HDMI resolutions up to 1080p
- Wire gauge: 36 AWG

Part #	Length (ft.)	Price \$
HDMI14-UTHN-3-MM	3	12.00
HDMI14-UTHN-6-MM	6	15.00

**Long HDMI Cable, Male to Male, Built-in Equalizer**



- Built-in digital video equalizer extends HD signal
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)

Part #	Length (ft.)	Price \$
HDMI-75-MM	75	77.00
HDMI-100-MM	100	128.00

**HDMI Cable, Down Angle to Straight**



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMI-DAS-2M-MM	2	10.00

**Flexible HDMI Cable, Male to Male**

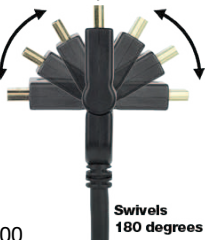


Male HDMI-A Male HDMI-A

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Connector swivels 180° and rotates 360°
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMI-F-3M-MM	3	15.00

**180 Degree Swivel HDMI Cable**



Swivels 180 degrees

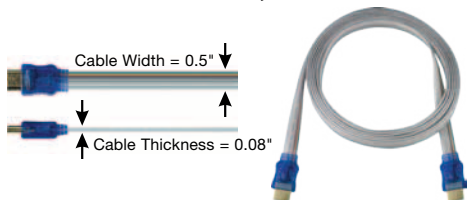


Male HDMI-A Male HDMI-A

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Connector swivels 180°
- Wire gauge: 28 AWG

Part #	Length (ft.)	Price \$
HDMI-SW-3-MM	3	8.00
HDMI-SW-10-MM	10	10.00
HDMI-SW-15-MM	15	13.00

**Flat HDMI Cable, Male to Male**



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMI-FLT-3M-MM	3	10.00

**HDMI to Mini-HDMI Cable, Male to Male**



Male HDMI-C Male HDMI-A

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMI-AC-2M-MM	2	12.00

**Mini-HDMI Cable, Male to Male**



Male HDMI-C Male HDMI-C

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Wire gauge: 30 AWG

Part #	Length (m)	Price \$
HDMIC-2M-MM	2	12.00

**Retractable Flat HDMI Cable**



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)
- Cable thickness: 0.08"
- Cable width: 0.43

Part #	Length (m)	Price \$
HDMI-R-1M-MM	1	15.00

**DVI to HDMI Cable, Male to Male**



Male DVI-D Male HDMI-A

- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200 (WUXGA)

Part #	Length (ft.)	Price \$
DVI-HDMI-3-MM	3	10.00
DVI-HDMI-6-MM	6	15.00
DVI-HDMI-10-MM	10	20.00
DVI-HDMI-15-MM	15	38.00

## DVI-D Single Link Cable, Male to Male



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200

Part #	Length (m)	Price \$
DVI-DS-2M-MM	2	14.00

## DVI-D Dual Link Cable, Male to Female



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200

Part #	Length (ft.)	Price \$
DVI-D-3-MM	3	8.00
DVI-D-6-MM	6	11.00
DVI-D-9-MM	9	14.00

## DisplayPort Cable, Male to Male



- Supports HDTV resolutions to 1080p and computer resolutions to 2560x1600

Part #	Length (ft.)	Price \$
DP-6-MM	6	27.00

## Mini DisplayPort to HDMI Cable, Male to Male



- Converts Mini DisplayPort video to HDMI video
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200

Part #	Length (ft.)	Price \$
DPM-HDMI-6-MM	6	25.00

## DVI-D Dual Link Cable, Male to Female



- Supports HDTV resolutions to 1080p and computer resolutions to 2560x1600.

Part #	Length (ft.)	Price \$
DVI-D-3	3	11.00
DVI-D-6	6	14.00
DVI-D-9	9	17.00

## DVI-I Single Link Cable, Male to Male



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200.

Part #	Length (ft.)	Price \$
DVI-IS-3-MM	3	10.00
DVI-IS-6-MM	6	14.00
DVI-IS-10-MM	10	22.00
DVI-IS-15-MM	15	29.00

## DisplayPort to DVI-D Interface Cable, Male to Male



- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200

Part #	Length (ft.)	Price \$
DP-DVID-3-MM	3	13.00
DP-DVID-6-MM	6	14.00
DP-DVID-10-MM	10	15.00
DP-DVID-15-MM	15	17.00

## Mini DisplayPort to VGA Cable, Male to Male



- Converts Mini DisplayPort video to VGA video
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200

Part #	Length (ft.)	Price \$
DPM-VGA-6-MM	6	32.00



**S-Video Cable, Male to Male**



Male 4-Pin miniDIN Male 4-Pin miniDIN

Part #	Length (ft)	Price \$
SVEXT-1-MM	1	3.00
SVEXT-3-MM	3	4.00
SVEXT-6-MM	6	4.80
SVEXT-10-MM	10	9.00
SVEXT-15-MM	15	13.00
SVEXT-25-MM	25	14.00
SVEXT-50-MM	50	19.00
SVEXT-75-MM	75	27.00
SVEXT-100-MM	100	36.00

**RCA Gender Changer**



Female to Female RCA

- Convert male RCA connector to female

Part #	Price \$
RCA-FF	1.05

**Component Video RCA Cable**



Three Male RCA Three Male RCA

Note: 100 ft. cable is black

- Precision 75-OHM impedance for maximum signal transfer
- Ultra flexible satin-ivory rubberized PVC jacket
- 24K gold plated heavy-duty RCA connectors

Part #	Length (ft.)	Price \$
CMPEXT-3-MM	3	7.00
CMPEXT-6-MM	6	12.00
CMPEXT-12-MM	12	17.00
CMPEXT-25-MM	25	27.00
CMPEXT-50-MM	50	44.00
CMPEXT-75-MM	75	60.00
CMPEXT-100-MM	100	77.00

**S-Video + Dual RCA Audio, Male to Male**



Male 4-Pin miniDIN Two Male RCA Male 4-Pin miniDIN Two Male RCA

Part #	Length (ft.)	Price \$
SRREXT-6-MM	6	11.50
SRREXT-10-MM	10	16.80
SRREXT-15-MM	15	20.40

**S-Video Adapter, Female to Female**



Female 4-Pin miniDIN

- Convert male 4-pin miniDIN to female

Part #	Price \$
MINIDIN4-FF	4.85

**Composite Video + Dual RCA Audio**



Three Male RCA

Three Male RCA

- Links the composite RCA-type audio and video signal from your audio/video components to your tv or receiver

Part #	Length (ft.)	Price \$
RRCVEXT-3-MM	3	7.00
RRCVEXT-6-MM	6	9.30
RRCVEXT-10-MM	10	12.60
RRCVEXT-15-MM	15	16.60

**Component Video + Dual RCA Audio**



Five Male RCA

Five Male RCA

- 75-Ohm oxygen-free copper center conductor delivers exceptional video detail, color and brightness
- Molded strain relief ensures durability
- Gold plated, shielded metal connectors

Part #	Length (ft.)	Price \$
CMPSAEXT-1-5-MM	1.5	13.00
CMPSAEXT-3-MM	3	15.00
CMPSAEXT-6-MM	6	17.00
CMPSAEXT-12-MM	12	25.00
CMPSAEXT-25-MM	25	31.00
CMPSAEXT-50-MM	50	51.00

# Cables

## 3.5mm Stereo Audio Cable, Male to Male



Male 3.5mm Male 3.5mm

- Connects audio device with 3.5mm jack to multimedia speakers

Part #	Length (ft.)	Price \$
SA-3-MM	3	1.50
SA-6-MM	6	1.80
SA-10-MM	10	2.80
SA-15-MM	15	4.00
SA-25-MM	25	6.50
SA-35-MM	35	9.60
SA-50-MM	50	12.90
SA-100-MM	100	24.70

## 3.5mm Jack to 2.5mm Plug



Female 3.5mm Male 2.5mm

- Converts 3.5mm stereo audio plug to 2.5mm stereo audio plug

Part #	Price \$
SAF-SA25M	2.50

## 3.5mm Plug to Dual RCA Plugs



Male 3.5mm Two Male RCA

- Converts a 3.5mm stereo jack to dual RCA plugs

Part #	Length (ft.)	Price \$
SAM-2RCAM-05	0.5	2.48
SAM-2RCAM-3	3	3.52
SAM-2RCAM-6	6	4.72

## 1/4" Stereo Plug to Dual RCA Plug Y-Cable



Male 1/4 inch Two Male RCA

- Converts a 1/4 inch stereo jack to dual RCA plugs

Part #	Length (ft.)	Price \$
SA4-RCAM-6	6	6.00

## 3.5mm Stereo Audio Cable, Male to Female



Female 3.5mm Male 3.5mm

- Extends the distance of your existing audio cable

Part #	Length (ft.)	Price \$
SA-6-MF	6	1.80
SA-12-MF	12	3.40
SA-14-MF	14	4.00
SA-25-MF	25	6.50
SA-50-MF	50	12.90

## 3.5mm Plug to 2.5mm Jack



Male 3.5mm Female 2.5mm

- Converts 2.5mm stereo audio plug to 3.5mm stereo audio plug

Part #	Price \$
SAM-SA25F	3.00

## 3.5mm Plug to Dual RCA Jacks



Male 3.5mm Two Female RCA

- Converts a 3.5mm stereo jack to dual RCA jacks

Part #	Length (ft.)	Price \$
SAM-2RCAF-05	0.5	2.64

## 3.5mm Jack to Dual RCA Plugs



Female 3.5mm Two Male RCA

- Converts a 3.5mm plug to dual RCA plugs

Part #	Length (ft.)	Price \$
SAF-RCAM	0.5	3.50

## RCA Jack to Dual RCA Plugs



Female 3.5mm Two Male RCA

- Converts a single RCA plug to dual RCA plugs

Part #	Length (ft.)	Price \$
1RCAF-2RCAM	0.5	3.50

## VGA Video Terminator Wallplate



- Connect a VGA monitor to video distribution wiring within a wall
- One female 15-pin HD connector

Part #	Type	Price \$
WP-VGA	VGA	35.00

## DVI Wallplate



- Couple two DVI cables together within an in-wall installation
- One female to female DVI-I connector

Part #	Type	Price \$
WP-DVII	DVI	20.00

## HDMI Wallplates



- Couple HDMI cables together within an in-wall installation
- Female to female HDMI connectors

Part #	# of Ports	Price \$
WP-HDMI-W	1	14.00
WP-HDMI2-W	2	20.00
WP-HDMI3-W	3	25.00

## Dual HDMI & Component Video Wallplate



- Two female to female HDMI connectors
- Three female to female RCA connectors for RGB component video

Part #	Price \$
WP-HDMI2-CMP-W	25.00

## Recessed Power and Cable Pass-Through Wall Plate



- Install in-wall power and audio/video cables to your wall-mounted HDTV
- Recessed opening directs cables at a 90° angle, allowing equipment to be placed close to the wall

- Direct wiring to the electrical circuit is required for installation

Part #	Price \$
WP-PWR-BWP-W	29.00

## VGA Video & Stereo Audio Wallplate



- Connect a VGA monitor and stereo audio speakers to A/V distribution wiring within a wall
- One female 15-pin HD connector and one 3.5mm stereo audio jack

Part #	Type	Price \$
WP-AV	VGA + Audio	45.00

## 90-Degree HDMI Feed-Thru Wallplate



- Couple two HDMI cables together within an in-wall installation
- 90-degree feed-thru connector provides vertical (upward or downward) cable drop
- One female to female HDMI connector

Part #	Type	Price \$
WP-AV	HDMI	18.00

## HDMI, Component, S-Video Wallplate



- One female to female HDMI connector
- Three female to female RCA connectors for RGB component video
- One female to female S-Video connector

Part #	Price \$
WP-HDMI-CMPS-W	25.00

## HDMI & F-Type Wallplate



- Female to female HDMI connector
- Female to female F-type coax connector

Part #	Type	Price \$
WP-HDMI-F-W	HDMI + F-Type	16.00

## Bulk Wire Pass-Through Wallplate



- Recessed opening directs cables at a 90° angle, without protruding
- Perfect for routing pre-terminated cables through a wall

Part #	Gang	Price \$
WP-BWP-W	1	4.50
WP-BWP2-W	2	6.50
WP-BWP3-W	3	11.50

## SuperSpeed USB 3.0 Cables



Part #	Length (ft.)	Price \$
USB3-AB-05M-L	0.5	8.00
USB3-AB-1M-L	1	9.00
USB3-AB-2M-L	2	11.00
USB3-AB-3M-L	3	13.00

## Straight A to Down Angle B USB 2.0 Cables



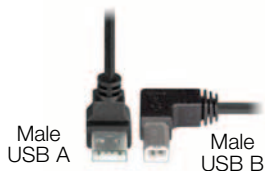
Part #	Length (m)	Price \$
USB2-AB-SDA-1M-K	1	3.00
USB2-AB-SDA-2M-K	2	4.00
USB2-AB-SDA-3M-K	3	6.00
USB2-AB-SDA-5M-K	5	10.00

## Left Angle A to Up Angle B USB 2.0 Cable



Part #	Length (m)	Price \$
USB2-AB-LUA-1M-K	1	3.00
USB2-AB-LUA-2M-K	2	4.00
USB2-AB-LUA-3M-K	3	6.00
USB2-AB-LUA-5M-K	5	10.00

## Up Angle A to Left Angle B USB 2.0 Cable



Part #	Length (m)	Price \$
USB2-AB-ULA-1M-K	1	3.00
USB2-AB-ULA-2M-K	2	4.00
USB2-AB-ULA-3M-K	3	6.00
USB2-AB-ULA-5M-K	5	10.00

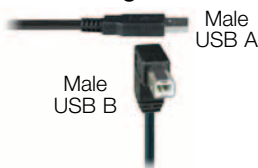
## USB 2.0 Cables



P = Grape
L = Blueberry
N = Lime
R = Strawberry
5T = Transparent
X = Tangerine

Part #	Length (m)	Price \$
USB2-AB-05M	0.5	1.50
USB2-AB-1M	1	2.25
USB2-AB-2M	2	3.00
USB2-AB-3M	3	3.75
USB2-AB-5M	5	4.75

## Straight A to Left Angle B USB 2.0 Cable



Part #	Length (m)	Price \$
USB2-AB-SLA-1M-K	1	3.00
USB2-AB-SLA-2M-K	2	4.00
USB2-AB-SLA-3M-K	3	6.00
USB2-AB-SLA-5M-K	5	10.00

## Right Angle A to Down Angle B USB 2.0 Cable



Part #	Length (m)	Price \$
USB2-AB-RDA-1M-K	1	3.00
USB2-AB-RDA-2M-K	2	4.00
USB2-AB-RDA-3M-K	3	6.00
USB2-AB-RDA-5M-K	5	10.00

## Down Angle A to Right Angle B USB 2.0 Cable



Part #	Length (m)	Price \$
USB2-AB-DRA-1M-K	1	3.00
USB2-AB-DRA-2M-K	2	4.00
USB2-AB-DRA-3M-K	3	6.00
USB2-AB-DRA-5M-K	5	10.00

## USB 2.0 Active Extension Cable



- Connect four USB2-AA-5M and a five-meter USB cable to extend 25 meters.
- Connect four USB2-AA-10M to extend 40 meters.
- Connect two USB2-AA-20M to extend 40 meters
- Use one USB2-AA-50M to extend 50 meters.

Part #	Length (m)	Price \$
USB2-AA-5	5	20.00
USB2-AA-10	10	35.00
USB2-AA-20	20	80.00
USB2-AA-50	50	200.00

## USB 2.0 Hub, 4 Port, Bus Powered



- Four female USB Type A connectors and one male USB Type A connector on attached 13" cable
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-MINI-4	4	15.00

## USB 2.0 Squid Hub, Bus-Powered



- Three female USB Type A, one male mini USB 5-pin, one male USB Type A connectors
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-SQUID-4	4	14.00

## USB 2.0 Hub, 7 Port, Self/Bus-Powered



- Seven female USB Type A connectors, one female mini Type B connector
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-7	7	29.00

## USB 1.1 Active Extension Cable - PC



- Connect up to five USB-AA-5M cables plus a five meter USB cable to extend a USB device up to 30 meters

Part #	Length (m)	Price \$
USB-AA-5M	5	15.00

## USB 2.0 Hub, 4 Port, Bus-Powered



- Four female USB Type A connectors and one female USB mini Type B connector
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-NP-4-S	4	16.00

## USB 2.0 Hub, 4 Port, Self/Bus-Powered



- Four female USB Type A connectors and one male USB Type A connector on attached 0.8-inch cable
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-4-L	4	23.20

## USB 1.1 Hubs, 4 Port



- Four female USB Type A connectors and one male USB Type A connector on attached 0.6-inch cable
- USB 1.1 compliant

Part #	Color	Price \$
USB-HUB-NP-4-L	Blueberry	8.99
USB-HUB-NP-4-K	Black	8.99
USB-HUB-NP-4-T	Transparent	8.99

## Industrial USB 2.0 Hub, 7 Port



- Seven female USB Type A connectors, and one female USB Type B connector
- Operating temperature: 32° to 158° F (0° to 70° C)
- USB 2.0 compliant

Part #	# of Ports	Price \$
USB2-HUB-IND-7	7	95.00

## USB 3.0 Gender Changers



- USB 3.0 compliant

Male USB A Female USB A

Part #	Description	Price \$
USB3-AMAF	Male A to Female A	8.00
USB3-AFBF	Female A to Female B	8.00
USB3-AFAF	Female A to Female A	8.00
USB3-AMBF	Male A to Female B	8.00
USB3-BFBF	Female B to Female B	8.00
USB3-MBFMBF	Female Micro B to Female Micro B	8.00
USB3-BFMBF	Female B to Female Micro B	8.00
USB3-AMMBF	Male A to Female Micro B	8.00

## USB 3.0 Gender Changer Cables



- USB 3.0 compliant
- Length: 15cm

Male USB A Male USB A

Part #	Description	Price \$
USB3-AMAM-15CM	Male A to Male A	9.50
USB3-AMBM-15CM	Male A to Male B	9.50
USB3-AMMBM-15CM	Male A to Male Micro B	9.50

## USB Gender Changers for Cameras



Nikon Fuji Minolta Olympus

- USB 2.0 and USB 1.1 compliant

Part #	Description	Price \$
USBBF-USBM8-N	Female B to Male Mini 8-pin for Nikon	6.00
USBBF-USBM8-F	Female B to Male Mini 8-pin for Fuji	6.00
USBBF-USBM8-M	Female B to Male Mini 8-pin for Minolta	6.00
USBBF-USBM8-O	Female B to Male Mini 8-pin for Olympus	6.00

## Flexible USB Gender Changers



- 3D articulation - pivots, swivels, and turns
- USB 2.0 and USB 1.1 compliant

Part #	Color	Description	Price \$
USBAF-USBAM-F	Black	Female A to Male A	6.00
USBAF-USBBM-F	Black	Female A to Male B	6.00
USBBF-USBAM-F	Black	Female B to Male A	6.00
USBBF-USBBM-F	Black	Female B to Male B	6.00
USBAM-USBAM-F	Multi	Male A to Male A	5.50
USBAF-USBBF-F	Multi	Female A to Female B	5.50
USBAF-USBAF-F	Multi	Female A to Female A	5.50
USBBM-USBBM-F	Multi	Male B to Male B	5.50
USBBF-USBBF-F	Multi	Female B to Female B	5.50

## USB Gender Changers



Female A Male A Female B Male B

- USB 2.0 and USB 1.1 compliant

Part #	Description	Price \$
USBAF-USBAF	Female A to Female A	3.00
USBAF-USBBM	Female A to Male B	3.00
USBAM-USBAM	Male A to Male A	3.00
USBAM-USBBF	Male A to Female B	3.00
USBBF-USBBF	Female B to Female B	3.00
USBBM-USBBM	Male B to Male B	3.00
USBAF-USBBF	Female A to Female B	3.00
USBAM-USBM4-H	Male A to Male Mini 4-pin Hirose	4.00
USBAM-USBM4-M	Male A to Male Mini 4-pin Mitsumi	3.85

## USB to RJ45/RJ11 Adapters



Male USB A RJ45 Male

Part #	Description	Price \$
USBAM-RJ45M	Male USB A to Male RJ45	4.50
USBAF-RJ45M	Female USB A to Male RJ45	4.50
USBAM-RJ45M-CO	Male USB A to Male RJ45 Crossover	4.85
USBAM-RJ11M	Male USB A to Male RJ11	4.50
USBAF-RJ11M	Female USB A to Male RJ11	4.50



## USB 2.0 Data Transfer Cable



Part #	Length (ft.)	Price \$
USB2-LINK-V (Windows Vista Compatible)	8	27.50
USB2-LINK	7	18.80

## USB to RS232/PS2 Adapter



Part #	Length (ft.)	Price \$
USB-SERIAL-PS2	2	37.00

## Low Cost USB to Serial (RS232) Adapters



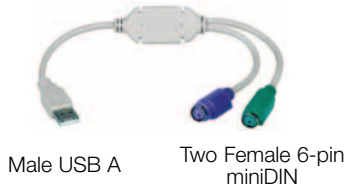
Part #	Length (m)	Price \$
USB-SERIAL-LC	1	17.50

## USB to Printer Adapter



Part #	Length (m)	Price \$
USB-PRINTER	1	15.50

## USB to PS/2 Adapter - PC



Part #	Compatibility	Price \$
USB-PS2-LC	PC	8.00

## USB to PS/2 Adapter - PC/MAC/SUN



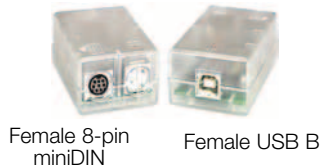
Part #	Compatibility	Price \$
USB-PS2	PC, SUN, MAC	19.00

## USB to Serial (RS232) Adapter



Part #	Length (ft)	Price \$
USB-SERIAL	6	22.00

## USB to SUN Adapter



Part #	Compatibility	Price \$
USB-SUN	SUN	65.00

## USB 2.0 to VGA Converter - Standard Monitor



Female 15HD

Male USB A

- USB 2.0 compliant
- Supports resolutions to 1280x1024

Part #	Monitor	Price \$
USB2-VGA	Standard	64.00

## USB to 7.1 Channel Dolby Audio Adapter

Two 3.5mm Jacks



Male USB A

Four 3.5mm Jacks

- USB 2.0 compliant

Part #	Audio	Price \$
USB-AUDIO7	7.1 Channel	50.00

## USB 2.0 to Ethernet Adapter



Available Colors:

Black

Blue

Transparent

Female RJ45

Male USB A

- USB 2.0 compliant

Part #	Ethernet	Price \$
USB2-ETHERNET	10/100 Mbps	29.99

## USB 3.0 - 2.5" & 3.5" Hard Disk Drive Enclosure



USB3-SATA-M

USB3-SATA

Part #	Description	Price \$
USB3-SATA-M	2.5" USB 3.0 HDD	52.00
USB3-SATA	3.5" USB 3.0 HDD	65.00

## USB 2.0 to VGA Converter - Widescreen



Female 15HD

Male USB A

- USB 2.0 compliant
- Supports resolutions to 2048x1280

Part #	Monitor	Price \$
USB2-VGA-WS	Standard, Widescreen	105.00

## USB to 5.1 Channel Audio Adapter



Male USB A

Five 3.5mm Jacks

- USB 2.0 compliant

Part #	Audio	Price \$
USB-AUDIO5	5.1 Channel	35.00

## USB to Audio Adapter



Two 3.5mm jacks

Male USB A

- USB 2.0 compliant

Part #	Audio	Price \$
USB-AUDIO	Stereo Analog	21.00

## USB 2.0 to Gigabit Ethernet Adapter



Female RJ45

Male USB A

- USB 2.0 compliant

Part #	Ethernet	Price \$
USB2-ETHERNET-G	10/100/1000 Mbps	45.00

## SuperSpeed USB 3.0 PCI-e Host Card



- Two female USB 3.0 Type A connectors
- USB 3.0 compliant

Part #	# of Ports	Price \$
USB3-PCIE	2	45.00

## 1394b FireWire Hub



- Three female IEEE 1394b 9-pin connectors
- Data transfer speeds up to 800 Mbps

Part #	# of Ports	Price \$
1394B-HUB-3	3	95.00

## 1394b FireWire Active Extension Cable



- Connect a five-meter 1394B firewire cable to extend a firewire device up to 10 meters.

Female 9-Pin

Male 9-Pin

Part #	Length (m)	Price \$
1394B-9P9P-5M	5	55.00

## 1394b FireWire Cables, Male to Male



Male 9-Pin

Male 9-Pin

- Length: 6 feet

Part #	Description	Price \$
1394B-9P9P-6	9-Pin Male to 9-Pin Male	13.50
1394B-9P6P-6	9-Pin Male to 6-Pin Male	12.50
1394B-9P4P-6	9-Pin Male to 4-Pin Male	12.50

## FireWire Adapters



Male 4-Pin

Female 4-Pin

Part #	Description	Price \$
1394-4PF6PM	4-Pin Female to 6-Pin Male	9.00
1394-6PF4PF	6-Pin Female to 4-Pin Female	9.70
1394-4PM4PM	4-Pin Male to 4-Pin Male	6.85
1394-6PF4PM	6-Pin Female to 4-Pin Male	8.00
1394-6PF6PF	6-Pin Female to 6-Pin Female	8.50
1394-4PF4PF	4-Pin Female to 4-Pin Female	6.85

## Low Cost 1394b FireWire Hub



- Three female IEEE 1394b 9-pin connectors
- Data transfer speeds up to 800 Mbps

Part #	# of Ports	Price \$
1394B-HUB-3LC	3	70.00

## 1394a FireWire Cables, Male to Male



Male 6-Pin

Male 6-Pin

Available Colors:

**K=Black**

**5T=Transparent**

Part #	Length (ft.)	Price \$
1394-6P6P-1-5-K	1.5	3.00
1394-6P6P-3-K	3	5.00
1394-6P6P-6-K	6	7.00
1394-6P6P-10-K	10	9.00
1394-6P6P-14-K	14	13.00
1394-6P6P-15-K	15	15.00
Part #	Length (ft.)	Price \$
1394-6P6P-3-5T	3	5.00
1394-6P6P-6-5T	6	7.00
1394-6P6P-15-5T	15	15.00

## Flexible FireWire Adapters



Male 4-Pin

- 3D articulation – pivots, swivels and turns

Part #	Description	Price \$
1394-4PM4PM-F	4-Pin Male to 4-Pin Male	10.00
1394-4PM6PM-F	4-Pin Male to 6-Pin Male	10.00
1394-4PM6PF-F	4-Pin Male to 6-Pin Female	10.00
1394-4PF4PF-F	4-Pin Female to 4-Pin Female	10.00
1394-4PF6PM-F	4-Pin Female to 6-Pin Male	10.00
1394-4PF6PF-F	4-Pin Female to 6-Pin Female	10.00
1394-6PF6PF-F	6-Pin Female to 6-Pin Female	10.00

## HDMI Female to DVI-D Male Adapter



Female HDMI Male DVI-D

Part #	Description	Price \$
HDMIF-DVIDM	Female HDMI to Male DVI-D	15.00

## HDMI Male to DVI-D Female Adapter



Male HDMI Female DVI-D

Part #	Description	Price \$
HDMIM-DVIDF	Male HDMI to Female DVI-D	15.00

## DVI-I Male to VGA Female Adapter



Male DVI-I Female 15HD

Part #	Description	Price \$
DVIM-15HDF	Male DVI-I to Female VGA	12.00

## DVI-I Female to VGA Male Adapter



Female DVI-I Male 15HD

Part #	Description	Price \$
DVIF-15HDM	Female DVI-I to Male VGA	20.00

## DVI-I Gender Changer



Female DVI-I

Part #	Description	Price \$
DVII-FF	Female to Female DVI-I	14.00

## HDMI Gender Changers



Female HDMI Male HDMI

Part #	Description	Price \$
HDMI-FF	Female to Female HDMI	13.50
HDMI-MM	Male to Male HDMI	13.50
HDMI-MF	Male to Female HDMI	13.50

## 13W3 Male to VGA Female Adapter



Male 13W3 Female 15 HD

Part #	Description	Price \$
13W3M-15HDF	Male 13W3 to Female VGA	17.00

## DVI-D Male to DVI-I Female Adapter



Female DVI-I Male DVI-D

Part #	Description	Price \$
DVIDM-DVIIF	Male DVI-D to Female DVI-I	15.00

## HDMI to Mini-HDMI Adapters



Part #	Description	Price \$
HDMI AF-HDMI C	Female A to Male C	9.50
HDMI AM-HDMI C	Male A to Female C	9.50

## DisplayPort Male to HDMI Female Adapter



Part #	Description	Price \$
DPM-HDMI F	Male DisplayPort to Female HDMI	30.00

## DisplayPort Male to DVI-I Female Adapter



Part #	Description	Price \$
DPM-DVI I F	Male DisplayPort to Female DVI-I	30.00

## EVC Male to VGA Female Adapter



Part #	Description	Price \$
EVCM-15HDF	Male EVC to Female VGA	46.00

## HDMI Right/Left Angled Adapters



Part #	Description	Price \$
HDMI-MF-R	Male to Female; Right	7.20
HDMI-MF-L	Male to Female; Left	9.20

## HDMI Up Angle Adapter



Part #	Description	Price \$
HDMI-MF-U	Male to Female HDMI	9.20

## Mini DisplayPort Male to DVI-D Female



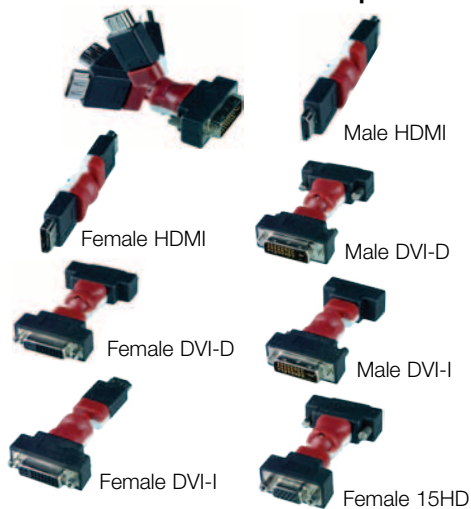
Part #	Description	Price \$
DPMM-DVIDF	Male Mini DisplayPort to Female DVI-D	23.00

## Mini DisplayPort Male to DisplayPort Female



Part #	Description	Price \$
DPMM-DPF	Male Mini DisplayPort to Female DisplayPort	13.00

## Flexible HDMI and DVI Adapters



Part #	Description	Price \$
HDMI-FF-F	Female to Female HDMI	11.50
HDMI-MM-F	Male to Male HDMI	11.50
DVID-FF-F	Female to Female DVI-D	12.00
DVID-MM-F	Male to Male DVI-D	12.00
HDMIM-DVIDF-F	Male HDMI to Female DVI-D	11.00
HDMIM-DVIIF-F	Male HDMI to Female DVI-I	11.00
HDMIF-DVIIM-F	Female HDMI to Male DVI-I	11.00
DVIIM-15HDF-F	Male DVI-I to Female VGA	9.00

## BNC Adapters



Part #	Description	Price \$
BNC-BARRELL	Female to Female BNC	1.00
BNC-T-FMF	2 Female, 1 Male BNC	4.65
BNC-T-FFF	3 Female BNC	4.65
RCAF-BNCM	Female RCA Jack to Male BNC	2.85
BNCF-RCAM	Female BNC to Male RCA Plug	2.90
UHFF-BNCM	Female UHF to Male BNC	3.85

## VGA Gender Changers



Female 15HD Male 15HD

Part #	Description	Price \$
15HD-FF	Female to Female VGA	7.00
15HD-MM	Male to Male VGA	7.00
15HD-MF	Male to Female VGA	7.00

## DB9 Gender Changers



Male DB9 Female DB9

Part #	Description	Price \$
DB9-SL-MM	Male to Male DB9	4.40
DB9-SL-FF	Female to Female DB9	4.40
DB9-SL-MF	Male to Female DB9	4.40

## DB15 Gender Changers



Male DB15 Female DB15

Part #	Description	Price \$
DB15-SL-MM	Male to Male DB15	6.00
DB15-SL-FF	Female to Female DB15	6.00

## DB25 Gender Changers



Female DB25 Male DB25

Part #	Description	Price \$
DB25-SL-MM	Male to Male DB25	6.00
DB25-SL-FF	Female to Female DB25	6.00



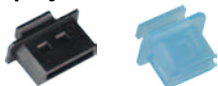
## D-Sub Connector Covers – DB9, DB15, DB25



DB9 DB15 DB25

Part #	Connector Used On	Price \$
CVR-DB9F	Female DB9	0.30
CVR-DB9M	Male DB9	0.30
CVR-DB15M	Male DB15	0.30
CVR-DB25F	Female DB25	0.30
CVR-DB25M	Male DB25	0.30

## DisplayPort Dust Covers



CVR-DPF CVR-DPMF

Part #	Connector Used On	Price \$
CVR-DPF	Female DisplayPort	0.30
CVR-DPMF	Female Mini DisplayPort	0.25

## RCA Phono Dust Cover



Part #	Connector Used On	Price \$
CVR-RCAF	Female RCA Phono	0.25

## USB Type A Dust Covers



CVR-USBAM CVR-USBAF

Part#	Connector Used On	Price \$
CVR-USBAM	Male USB Type A	0.30
CVR-USBAF	Female USB Type A	0.25

## eSATA Dust Cover



Part #	Connector Used On	Price \$
CVR-ESATAF	Female eSATA	0.30

## DC Power Plug Cover



Part #	Connector Used On	Price \$
CVR-DCM	Female DC Power Plug	0.25

## VGA/15HD Dust Covers



Part #	Connector Used On	Price \$
CVR-15HDF	Female VGA/15HD	0.25

## HDMI Dust Covers



CVR-HDMIF CVR-HDMIM CVR-HDMICF

Part #	Connector Used On	Price \$
CVR-HDMIF	Female HDMI Type A	0.25
CVR-HDMIM	Male HDMI Type A	0.25
CVR-HDMICF	Female HDMI Type C	0.25

## DVI Dust Cover



Part #	Connector Used On	Price \$
CVR-DVIF	Female DVI	0.30

## BNC Dust Cover



Part #	Connector Used On	Price \$
CVR-BNCF	Female BNC	0.25

## USB Type B Dust Covers



CVR-USBBM CVR-USBBF

Part #	Connector Used On	Price \$
CVR-USBBM	Male USB Type B	0.30
CVR-USBBF	Female USB Type B	0.25

## 1394 FireWire Dust Cover



Part #	Connector Used On	Price \$
CVR-1394F	Female 1394 FireWire	0.30

## MiniDIN Dust Covers



CVR-MINIDIN4F CVR-MINIDIN6F

Part #	Connector Used On	Price \$
CVR-MINIDIN4F	Female MiniDIN 4-Pin	0.30
CVR-MINIDIN4F	Female MiniDIN 6-Pin	0.25

## S-Video Splitter, 2-Port



- Display the same image on two TVs/monitors from one S-Video source

Part #	# of Ports	Price \$
VOPEX-SV-2-LC	2	35.00

## S-Video + Audio Splitters



- Play the same image and audio on multiple S-Video displays and speakers from one S-Video source

Part #	# of Ports	Price \$
VOPEX-SVA-4-LC	4	83.00
VOPEX-SVA-8-LC	8	135.00

## Composite + S-Video/Audio Matrix Switch



- Switch S-Video, composite video and audio from four video sources among two displays and speakers
- A single video source output can be routed to one or more displays

Part #	# Inputs	# Outputs	Price \$
MTX-4X2-SVCVA	4	2	125.00

## Composite Video + Audio Splitter, 4-Port



- Play the same image and audio on multiple displays and speakers from one composite video source.

Part #	# of Ports	Price \$
VOPEX-CVA-4-LC	4	60.00

## S-Video Splitter, 8-Port



- Display the same image on eight TVs/monitors from one S-Video source

Part #	# of Ports	Price \$
VOPEX-SV-8-LC	8	83.00

## S-Video Switch, 2-Port



- Switch one display between two S-Video sources

Part #	# of Ports	Price \$
SE-SV-2-LC	2	40.00

## S-Video + Audio Switch



- Switch four S-Video sources between two S-Video displays and speakers; both displays show the same picture

Part #	# Inputs	# Outputs	Price \$
SE-SVA-4-LC	4	2	122.00

## Video/Stereo Audio Scaler Switch



- Switch four S-Video, four composite video and four VGA sources to two VGA monitors and speakers; both monitors show the same picture

Part #	# Inputs	# Outputs	Price \$
SS-SVCV15VA-12	12	2	960.00

## Composite Video/Audio Matrix Switch



- Switch audio and composite video signals from four video sources to four displays

Part #	# Inputs	# Outputs	Price \$
MTX-4X4-CVA	4	4	213.00

## Component Video Splitter, 2-Port



- Enables two HDTV displays and speakers to be driven by a single YPbPr digital component video device with stereo or digital audio

Part #	# of Ports	Price \$
VOPEX-HDA-2	2	90.00

## HDMI Splitters



- Display the same image on multiple HDMI displays from one HDMI source

Part #	# of Ports	Price \$
VOPEX-HDMI-2-LC	2	80.00
VOPEX-HDMI-4-LC	4	100.00
VOPEX-HDMI-8-LC	8	240.00

## HDMI Matrix Switches



- Route digital video and audio from many HDMI sources to multiple HDMI displays

Part #	# Inputs	# Outputs	Price \$
SM-2X2-HDMI-LC	2	2	295.00
SM-2X4-HDMI-LC	2	4	505.00
SM-4X2-HDMI-LC	4	2	505.00
SM-4X4-HDMI-LC	4	4	735.00

## Composite Video/Audio Matrix Switch



- Route composite video and stereo audio inputs from many video sources to multiple displays and speakers
- 2RU rackmount case

Part #	# Inputs	# Outputs	Price \$
MTX-4X4-CVA-R	4	4	495.00
MTX-8X2-CVA-R	8	2	595.00
MTX-8X4-CVA-R	8	4	695.00
MTX-8X8-CVA-R	8	8	865.00

## Component Video Switch, 2-Port



- Switch one HDTV display and speakers between two YPbPr component video devices with stereo or digital audio

Part #	# of Ports	Price \$
SE-HDA-2	2	90.00

## HDMI Switches



- Switch one HDMI display between multiple HDMI sources

Part #	# of Ports	Price \$
SE-HDMI-3-LC	3	44.00
SE-HDMI-5-LC	5	52.00
SE-HDMI-8-LC	8	190.00

## USB Extender, 1-Port



- Extend one self-powered or bus-powered USB device up to 150 feet
- Compatible with USB PC, SUN and MAC computers
- Compliant with USB 1.1 specifications

Part #	# of Ports	Price \$
USB-C5-LC	1	29.00

## 1394 Firewire Extender



- Extend one FireWire device up to 250 feet using CAT6 cable or 150 feet using CAT5e cable
- Compatible with PC and MAC computers with IEEE 1394 connectors
- Data Transfer Speeds:  
100/200/400 Mbps

Part #	# of Ports	Price \$
ST-C51394-250	1	405.00

## VGA Extenders



ST-C5V-600

- Transmits VGA video up to 300/600 feet away from a computer using CAT5/5e/6 cable
- Supports local and remote VGA monitors
- Available with optional stereo audio or RS232
- Supports resolutions to 1920x1440

Part #	Features	Max Ext. (ft)	Price \$
ST-C5V-600	VGA	600	245.00
ST-C5VA-600	VGA + Audio	600	325.00
ST-C5VRS-600	VGA + RS232	600	340.00
ST-C5V-300	VGA	300	200.00
ST-C5VA-300	VGA + Audio	300	315.00

## USB Extenders, 4-Port



- Extend four self-powered or bus-powered USB devices up to 150 feet
- Compatible with USB PC, SUN and MAC computers
- Compliant with USB 1.1 specifications

Part #	Description	Price \$
USB-C5-NP	4-port, non-powered	80.00
USB-C5-PA	4-port, powered	95.00

## PS/2 KVM Extenders



ST-C5KVM-600

- Provides local and remote KVM (PS/2 keyboard, PS/2 mouse and VGA monitor) access to a PC up to 300/600 feet using CAT5/5e/6 cable
- Available with optional stereo audio or RS232
- Supports resolutions to 1920x1440

Part #	Features	Max Ext. (ft)	Price \$
ST-C5KVM-600	KVM	600	350.00
ST-C5KVMA-600	KVM + Audio	600	375.00
ST-C5KVMRS-600	KVM + RS232	600	385.00
ST-C5KVM-300	KVM	300	290.00
ST-C5KVMA-300	KVM + Audio	300	325.00

## HDMI Extender



- Transmits digital video and audio signals up to 300 feet using two CAT5e/6 cables
- Supports HDTV resolutions to 1080i and computer resolutions to 1920x1200

Part #	Features	Price \$
ST-C5HDMI-300-LC	HDMI	155.00

## S-Video Extenders



ST-C5SV-600

- Transmits S-Video locally and remotely up to 600 feet via CAT5/5e/6 cable
- Available with optional stereo audio
- Supports 800x600 resolution

Part #	Features	Price \$
ST-C5SV-600	S-Video	290.00
ST-C5SVA-600	S-Video + Audio	410.00

## BNC Composite Video Balun via CAT5



- Transmits BNC composite video, 12VDC power, and optional audio up to 328 feet using CAT5 cable with RJ45 connectors

Part #	Features	Price \$
BALUN-C5BNC	BNC + Power	16.00
BALUN-C5BNCA	BNC + Power + Audio	17.00

## Mini HDMI Extender



- Transmits digital video and audio signals up to 200 feet using two CAT5e/6 cables
- Supports HDTV resolutions to 1080p and computer resolutions to 1920x1200
- No power supply necessary

Part #	Features	Price \$
ST-C5HDMI-MINI	HDMI	80.00

## Component Video Extenders



ST-C5HDTV-600

- Extend YPbPr component video and analog or digital audio locally and remotely up to 600 feet via CAT5/5e/6 cable
- Supports HDTV resolutions to 1080p

Part #	Features	Price \$
ST-C5HDA-600	Digital Audio	330.00
ST-C5HDTV-600	Stereo Audio	350.00

## BNC Composite Video Balun via Single Twisted Pair CAT5



- Transmits BNC composite video up to 2,000 feet in black/white, and 1,300 feet in color using a single twisted pair of CAT5 cable

Part #	Description	Price \$
BALUN-STBNC	Straight orientation	7.00
BALUN-STBNC-RA	Right angle orientation	7.00
BALUN-STBNC-C	Attached 5 in. cable	12.00

## VGA Video Splitters



- Use one computer to display the same high-resolution image on multiple VGA monitors

Part #	# of Ports	Price \$
VOPEX-2V-LC	2	46.00
VOPEX-4V-LC	4	64.00
VOPEX-8V-LC	8	124.00

## VGA Video + Audio Switches, 2-port



- SE-15V-2-2C1U-A: Enables one VGA monitor and stereo speakers to be switched between two computers
- SE-15V-2-2U1C-A: Enables one computer to be switched between two VGA monitors and stereo speakers

Part #	Description	Price \$
SE-15V-2-2C1U-A	2 computers, 1 monitor	160.00
SE-15V-2-2U1C-A	2 monitors, 1 computer	160.00

## VGA + Audio Matrix Switch, 4x4



- Routes VGA video and audio from four sources to any of four VGA displays and speakers

Part #	# Inputs	# Outputs	Price \$
MTX-4X4-15VA	4	4	275.00

## VGA PS/2 KVM Splitter, 2-port



- Allows two users to access one PS/2 computer

Part #	# of Ports	Price \$
VOPEX-2P	2	160.00

## VGA Video Switches, 2-port



- SE-15V-2-2C1U: Enables one VGA monitor to be switched between two computers
- SE-15V-2-2U1C: Enables one computer to be switched between two VGA monitors

Part #	Description	Price \$
SE-15V-2-2C1U	2 computers, 1 monitor	115.00
SE-15V-2-2U1C	2 monitors, 1 computer	115.00

## DVI Video Switches



- Switch one DVI display between multiple single link digital DVI video sources

Part #	# of Ports	Price \$
SE-DVI-4-LC	4	150.00
SE-DVI-8-LC	8	240.00

## DVI Video + Audio Switches



- Switch one DVI/HDMI display and speakers between up to four single link digital DVI/HDMI video sources

Part #	# of Ports	Price \$
SE-DVI-2A	2	185.00
SE-DVI-4A	4	240.00



## VGA PS/2 KVM Switches



- Allows one user to access up to four PCs from one PS/2 keyboard, PS/2 mouse and VGA monitor

Part #	# of Ports	Price \$
KEEMUX-PV-2	2	29.00
KEEMUX-PV-4	4	50.00

## Dual Monitor VGA PS/2 KVM Switches



- Allows one user to access up to four PCs equipped with two VGA outputs from one PS/2 keyboard, PS/2 mouse and two VGA monitors

Part #	# of Ports	Price \$
KEEMUX-P2V-2	2	130.00
KEEMUX-P2V-4	4	205.00

## VGA USB + Audio KVM Switch



- Allows one user to access two USB computers with just one VGA monitor, set of speakers, microphone, one USB or PS/2 keyboard, USB mouse or other USB device

Part #	# of Ports	Price \$
KEEMUX-UVA-2	2	35.00

## DVI PS/2 KVM Switch



- Allows one user to access two single link DVI PCs from one PS/2 keyboard, PS/2 mouse and DVI monitor

Part #	# of Ports	Price \$
KEEMUX-PD-2	2	150.00

## Dual Monitor DVI PS/2 KVM Switches



- Allows one user to access up to four single link PCs equipped with two DVI outputs from one PS/2 keyboard, PS/2 mouse and two DVI monitors

Part #	# of Ports	Price \$
KEEMUX-P2D-2	2	175.00
KEEMUX-P2D-4	4	290.00

## Dual Monitor DVI USB KVM Switch with 5.1/7.1 Surround Sound



- Allows one user to access two multimedia computers with dual head (DVI+DVI) display connectors with one USB keyboard, USB mouse, two DVI monitors, and 5.1/7.1 surround sound speakers

Part #	# of Ports	Price \$
KEEMUX-U2DA-2	2	305.00

## VGA to TV Scan Converter



- Display VGA video on your TV
- Converts VGA output from a computer to composite video or S-Video

Part #	Price \$
VGA-TV-1024	135.00

## TV to VGA & VGA to TV Converter



- View VGA computer video on a TV, or view S-Video or composite video on a VGA computer monitor

Part #	Price \$
VGA-CONVERTER	200.00

## VGA/HD Video to TV Scan Converter



- View VGA or high-definition component video on a standard definition TV (composite, component or S-Video signals in interlaced PAL or NTSC standards)

Part #	Price \$
VGACMP-TV	420.00

## DisplayPort to VGA Converters



- Changes a computer's digital DisplayPort signal to analog VGA.
- Available in DisplayPort to VGA or Mini DisplayPort to VGA

Part #	Connectors	Price \$
DP-VGA-CNVTR	DisplayPort, VGA	24.00
DPM-VGA-CNVTR	Mini DisplayPort, VGA	25.00

## VGA/Component Video to HDMI Converter



- Converts component video or VGA signal and stereo audio to a single HDMI stream with integrated audio

Part #	Price \$
VGACMP-HDMI	190.00

## VGA/Component Video to HDMI Converter



- Converts DVI video and digital audio signals to HDMI

Part #	Price \$
DVI-HDMI-CNVTR	225.00

## RGBHV to YPbPr Color Space Converter



- Connect a VGA computer to an HDTV component video monitor or projector
- Changes connection type only; does not change/convert signal type

Part #	Price \$
VGA-CMP	70.00

## PC to HDTV Two-Way Converter



- Converts a VGA signal to component video, or a component video signal to VGA

Part #	Price \$
PC-HDTV-CNVTR	250.00

## VGA/Component/DVI Converter



- Scales and converts VGA, component video and DVI-D signals to a variety of digital DVI and analog VGA output resolutions up to 1920x1200 (WUXGA)

Part #	Price \$
PCHD-DVI-SCALER	400.00

## VGA/Component/HDMI Converter



- Upscales HDMI, VGA or component video signals up to 1920x1200 (WUXGA) video resolution
- Converts component video or VGA signal and stereo audio to a single HDMI stream with integrated audio

Part #	Price \$
PCHD-HDMI-SCALER	475.00

## Digital/Analog Audio Converter



- Converts analog stereo, digital optical or digital coax audio input to three simultaneous outputs – analog stereo, digital optical or digital coax

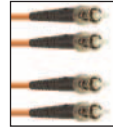
Part #	Price \$
AUDIO-CNVTR	110.00

## Fiber Optic Patch Cables

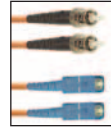


VPI offers a large selection of fiber option patch cables. Visit [www.vpi.us/fiber-optics.html](http://www.vpi.us/fiber-optics.html) for the latest cables available.

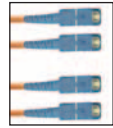
- Simplex, Duplex
- Singlemode, Multimode, 10 Gigabit Multimode
- ST, SC, LC, FC, MTRJ
- Cables with straight or right-angled boots



ST to ST



ST to SC



SC to SC



LC to LC



FC to FC



MTRJ to MTRJ

### Bulkhead Connectors



ST to ST



SC to SC

- ST or SC female to female coupler
- Available in singlemode or multimode

Part #	Description	Price \$
FIBER-BLKHD-M-STST	Multimode ST	7.20
FIBER-BLKHD-S-STST	Singlemode ST	7.20
FIBER-BLKHD-M-SCSC	Multimode SC	7.20
FIBER-BLKHD-S-SCSC	Singlemode SC	7.20

### Fiber Optic Termination Kit



Kit includes:

- Fiber optic crimp tool
- Precision stripper
- Kevlar cutter
- Carbide scribe
- Epoxy application syringes
- ST polish disc
- SC polish disc
- Two part epoxy glue
- Epoxy mixer and pad
- Glass working pad
- Rubber working pad
- Cleanser
- Fiber optic wipes
- 6µm brown diamond polish film
- 1µm purple diamond polish film
- 0.05µm white aluminum oxide polish film
- Carrying case
- Termination instructions

Part #	Price \$
FIBER-TLKIT	140.00

### Fiber Optic Inspection Microscope



- Inspect connector end faces for contamination, fractures and other loss causing agents

Part #	Description	Price \$
FIBER-SCOPEX200	200x, multimode	105.00
FIBER-SCOPEX400	400x, singlemode	125.00

### Fiber Optic Power and Loss Test Kit



Kit includes:

- Power meter
- Light source
- Manual
- Two 9v batteries
- Waterproof carrying case

Part #	Price \$
FIBER-PMKIT-850-ST	395.00

### Fiber Optic Fault Finder



- Allows technicians to quickly detect faults in fiber optic cable up to 3 kilometers with its visible 650nm red laser

Part #	Price \$
FIBER-CHECKER	198.00

**Fiber Optic Patch Panels**



VPI offers a large selection of fiber optic patch panels. Visit [www.vpi.us/fiber-optic-panels.html](http://www.vpi.us/fiber-optic-panels.html) for the latest patch panels available.

- Simplex, Duplex
- ST, SC, LC, MTRJ
- 12/16/24/32/48 ports

**Rack Mount Fiber Enclosure**



- Fully enclosed and rack mountable
- Equipped with cable management and cable routing accessories to limit bend radius and add strain relief
- Removable top panel
- Use with FIBER-BLKHD-x-STST ST fiber adapters

Part #	Ports	Price \$
FIBER-BOXRACK-12	12	67.50
FIBER-BOXRACK-24	24	82.50

**Fiber Optic Training Video**



- *How to Cleave, Polish and Inspect a Fiber Optic Connector*

Part #	Price \$
FIBER-TRNG-VID	99.00

**84" 2-Post Relay Rack**



- 48RU 2-post rack for networking applications in IT environments
- Black finish

Part #	Price \$
RCK-RLY-84	159.00

**2RU Cantilever Equipment Shelf**



- Made of 16-gauge steel
- Fits 19" open racks
- Adjustable for depth within rack
- Black finish

Part #	Depth	Price \$
RCK-SHF-CNTLV-10	10"	42.00
RCK-SHF-CNTLV-15	15"	52.50

**2RU Center Weight Equipment Shelf**



- Made of 16-gauge steel
- Fits 19" open racks
- Adjustable for depth within rack
- Black finish

Part #	Price \$
RCK-SHF-CTR-20	69.00


**Rackmount Utility Drawer**



- Fits 19" rack enclosures
- Full extension ball bearings
- Keylock for securing valuable equipment
- Black finish

Part #	Rack Units	Price \$
RCK-DRW-1RU	1RU	130.00
RCK-DRW-2RU	2RU	140.00
RCK-DRW-3RU	3RU	150.00

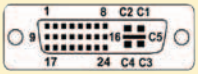
### VGA VIDEO (VEXT-xx, VEXT-xx-MM)



Mating face of 15HD male

PIN#	SIGNAL	PIN#	SIGNAL
1	RED	9	NC
2	GREEN	10	GND
3	BLUE	11	ID0
4	ID2	12	ID1
5	GND TEST	13	HS
6	GND	14	VS
7	GND	15	ID3
8	GND		

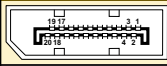
### DVI



Mating face of DVI female

PIN#	SIGNAL	PIN#	SIGNAL
1	T.M.D.S DATA 2-	16	HOT PLUG DETECT
2	T.M.D.S DATA 2+	17	T.M.D.S DATA 0-
3	T.M.D.S DATA 2/4 SHIELD	18	T.M.D.S DATA 0+
4	T.M.D.S DATA 4-	19	T.M.D.S DATA 0/5 SHIELD
5	T.M.D.S DATA 4+	20	T.M.D.S DATA 5-
6	DDC CLOCK	21	T.M.D.S DATA 5+
7	DDC DATA	22	T.M.D.S CLOCK SHIELD
8	ANALOG VERT. SYNC	23	T.M.D.S CLOCK+
9	T.M.D.S DATA 1-	24	T.M.D.S CLOCK-
10	T.M.D.S DATA 1+	C1	ANALOG RED
11	T.M.D.S DATA 1/3 SHIELD	C2	ANALOG GREEN
12	T.M.D.S DATA 3-	C3	ANALOG BLUE
13	T.M.D.S DATA 3+	C4	ANALOG HORIZ SYNC
14	+5V POWER	C5	ANALOG GROUND
15	GND		


### DisplayPort



Mating face of source-side DisplayPort

PIN#	SIGNAL	PIN#	SIGNAL
1	Lane 0 +	11	Ground
2	Ground	12	Lane 3 -
3	Lane 0 -	13	Connected to Ground
4	Lane 1 +	14	Connected to Ground
5	Ground	15	Auxiliary Channel +
6	Lane 1 -	16	Ground
7	Lane 2 +	17	Auxiliary Channel -
8	Ground	18	Hot Plug Detect
9	Lane 2 -	19	Return for Power
10	Lane 3 +	20	Power for Connector

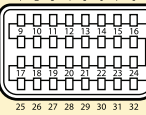
### VGA VIDEO (VEXT-FLT-xx, VEXT-FLT-xx-MM) (VEXT-THN-xx, VEXT-THN-xx-MM)



Mating face of 15HD male

PIN#	SIGNAL	PIN#	SIGNAL
1	RED	9	DDC+5
2	GREEN	10	GND
3	BLUE	11	ID0
4	ID2	12	ID1
5	GND TEST	13	HS
6	GND	14	VS
7	GND	15	ID3
8	GND		

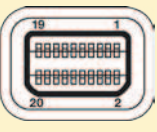
### Mini-DVI



Mating face of Female Mini-DVI

PIN#	SIGNAL	PIN#	SIGNAL
1	Dat2_P	17	+5V
2	Dat2_N	18	DCC_DAT
3	Dat1_P	19	spare
4	Dat1_N	20	BLUE
5	Dat0_P	21	not installed
6	Dat0_N	22	GREEN
7	CLK_P	23	not installed
8	CLK_N	24	RED
9	DGND	25	Detect
10	DGND	26	DCC_CLK
11	DGND	27	spare
12	DGND	28	DGND
13	DGND	29	HSYNC
14	DGND	30	DGND
15	DGND	31	VSYNC
16	DGND	32	DGND


### Mini-DisplayPort



Mating face of source-side Female Mini-DisplayPort

PIN#	SIGNAL	PIN#	SIGNAL
1	GND	11	ML_Lane 1 (n)
2	Hot Plug Detect	12	ML_Lane 3 (n)
3	ML_Lane 0 (p)	13	GND
4	CONFIG1	14	GND
5	ML_Lane 0 (n)	15	ML_Lane 2 (p)
6	CONFIG2	16	AUX_CH (p)
7	GND	17	ML_Lane 2 (n)
8	GND	18	AUX_CH (n)
9	ML_Lane 1 (p)	19	GND
10	ML_Lane 3 (p)	20	DP_PWR

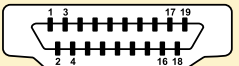
### DIGITAL AUDIO



Female RCA - Orange

NAME	SIGNAL
1	S/PDIF
2	GND

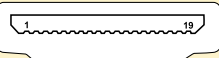
### HDMI Type A



Mating face of HDMI Type-A male

PIN#	SIGNAL	PIN#	SIGNAL
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2+ Shield	12	TMDS Clock
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Reserved (N.C on device)
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CEC Ground
8	TMDS Data0 Shield	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock+		


### HDMI Type C



Mating face of HDMI Type-C male

PIN#	SIGNAL	PIN#	SIGNAL
1	TMDS Data2 Shield	11	TMDS Clock+
2	TMDS Data2+	12	TMDS Clock-
3	TMDS Data2-	13	DDC/CEC Ground
4	TMDS Data1 Shield	14	CEC
5	TMDS Data1+	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0 Shield	17	Reserved (in cable but N.C on device)
8	TMDS Data0+	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock Shield		


### SUN VIDEO



Mating face of 13W3 female

PIN#	SIGNAL	PIN#	SIGNAL
1	GND	8	ID1
2	VSYNC	9	ID0
3	ID2	10	GND
4	GND	A1	RED
5	CSYNC	A2	GREEN
6	HSYNC	A3	BLUE
7	GND		

### MAC VIDEO



Mating face of 15D male

PIN#	SIGNAL	PIN#	SIGNAL
1	GND	9	BLUE
2	RED	10	ID3
3	CSYNC	11	GND
4	ID1	12	VS
5	GREEN	13	GND
6	GND	14	GND
7	ID2	15	HS
8	NC		



## COMPONENT VIDEO (Y Pb Pr)

Female RCA



Green

Blue

Red

Y	Pb (B-Y)	Pr (R-Y)
Tip=Y Shield=GND	Tip=Pb Shield=GND	Tip=Pr Shield=GND

## S-VIDEO



Mating face of 4-pin miniDIN male

PIN#	SIGNAL	PIN#	SIGNAL
1	GND	3	LUMINANCE
2	GND	4	CHROMANCE

## Mini USB Type B



Mating face of 5 pin Mini USB Type B female

PIN#	SIGNAL	PIN#	SIGNAL
1	+5	4	NC
2	-DATA	5	GND
3	+DATA		



Mating face of 4 pin Mini USB Type B female

PIN#	SIGNAL	PIN#	SIGNAL
1	+5	3	+DATA
2	-DATA	4	GND

## PS/2 KEYBOARD or MOUSE



Mating face of 6 pin miniDIN female

PIN#	SIGNAL	PIN#	SIGNAL
1	DATA	4	+5
2	NC	5	CLOCK
3	GND	6	NC

## PC/AT KEYBOARD



Mating face of 5 pin DIN female

PIN#	SIGNAL	PIN#	SIGNAL
1	CLOCK	4	GND
2	DATA	5	+5
3	NC		

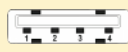
## MAC KEYBOARD or MOUSE



Mating face of 4 pin miniDIN female

PIN#	SIGNAL	PIN#	SIGNAL
1	DATA	3	+5
2	PWRN	4	GND

## USB TYPE A and B



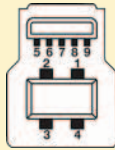
Mating face of USB type A female



Mating face of USB type B female

PIN#	SIGNAL	PIN#	SIGNAL
1	+5	3	+Data
2	-Data	4	GND

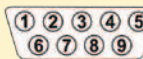
## USB 3.0 Type B



Mating face of USB 3.0 type B female

PIN#	SIGNAL	PIN#	SIGNAL
1	VBUS	6	StdA_SSTX+
2	-Data	7	GND_DRAIN
3	+Data	8	StdA_SSRX-
4	GND	9	StdA_SSRX+
5	StdA_SSTX-		

## RS232 DB9 INTERFACE



Mating face of male RS232 DB9 (9-pin D)

PIN#	SIGNAL	PIN#	SIGNAL
1	DCD	6	DSR
2	RXD	7	RTS
3	TXD	8	CTS
4	DTR	9	N/A
5	GND		

## RS232 DB25 INTERFACE



Mating face of male RS232 DB25

PIN#	SIGNAL	PIN#	SIGNAL
1	N/A	14	N/A
2	TXD	15	N/A
3	RXD	16	N/A
4	RTS	17	N/A
5	CTS	18	N/A
6	DSR	19	N/A
7	GND	20	DTR
8	DCD	21	N/A
9	N/A	22	RI
10	N/A	23	N/A
11	N/A	24	N/A
12	N/A	25	N/A
13	N/A		

## SUN KEYBOARD and MOUSE



Mating face of 8 pin miniDIN female

PIN#	SIGNAL	PIN#	SIGNAL
1	GND	5	KYBD RCV
2	GND	6	KYBD XMT
3	+5	7	PWRN
4	MOUSE	8	+5

## USB 3.0 Type A



Mating face of USB 3.0 type A female

PIN#	SIGNAL	PIN#	SIGNAL
1	VBUS	6	StdA_SSRX+
2	-Data	7	GND_DRAIN
3	+Data	8	StdA_SSRX-
4	GND	9	StdA_SSRX+

## USB 3.0 Micro-B



Mating face of USB 3.0 type Micro B female

PIN#	SIGNAL	PIN#	SIGNAL
1	VBUS	6	MicB_SSTX-
2	-Data	7	MicB_SSTX+
3	+Data	8	GND_DRAIN
4	ID	9	MicB_SSRX-
5	GND	10	MicB_SSRX+

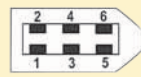
## RS232 RJ45 INTERFACE



Mating face of female RS232 RJ45

PIN#	SIGNAL	PIN#	SIGNAL
1	RTS	5	GND
2	DTS	6	RXD
3	TXD	7	DSR
4	GND	8	CTS

## IEEE 1394a



Mating face of 6 pin male FireWire

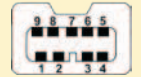
PIN#	SIGNAL	PIN#	SIGNAL
1	POWER	4	TPB+
2	GND	5	TPA-
3	TPB-	6	TPA+



Mating face of 4 pin male FireWire

PIN#	SIGNAL	PIN#	SIGNAL
1	TPB-	3	TPA-
2	TPB+	4	TPA+

## IEEE 1394b



Mating face of 9 pin male FireWire

PIN#	SIGNAL	PIN#	SIGNAL
1	TPB-	6	GND
2	TPB+	7	N/C
3	TPA-	8	POWER
4	TPA+	9	B SHIELD
5	A SHIELD		



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