

Digital Video Interface (DVI)

MicroCross® DVI Connectors



- Supports **TMDS** (Transmission Minimised Differential Signalling)
- Meets the Intel® **DDWG** (Digital Display Working Group) specification
- Crossing ground blade design provides video bandwidth of 1.7Gbs per differential pair for digital interface and 2.4GHz for analog interface
- Range of adaptors available to allow backwards compatibility to existing displays



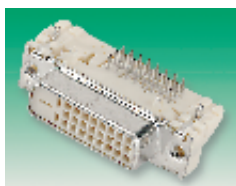
Single link can support UXGA (1600 x 1200) displays
 Dual link can support QXGA (2048 x 1536) displays
DVI-I version supports Analog and Digital (TMDS) transmission
DVI-D supports 1.6 Gbit/sec TMDS transmission rates
DVI-A version supports 2.5GHz Analog RGB bandwidths.

Mfrs. List No.	Description	Order Code
887418000	DVI-D to DVI-D (Single Link) 2.0m Cable	329-3786
887418100	DVI-D to DVI-D (Dual Link) 2.0m Cable	329-3798
887418200	DVI-A to DVI-A 2.0m Cable	329-3804
887418300	DVI-A to VGA 20m Cable	329-3816
887418400	DVI-A to P&D -A 2.0m Cable	329-3828
887418500	DVI-D to P&D-D 2.0m Cable	329-3830
887418600	DVI-D to DFP 2.0m Cable	329-3841
887418700	DVI-A (M) to VGA (F) Adaptor	329-3853
887418800	DVI-D (M) to DFP (F) Adaptor	329-3865
887418900	DVI-A (M) to P&D (F) Adaptor	329-3877
887419000	DVI-I to DV-I (Single Link) 2.0m Cable	329-3889
887419100	DVI-I (F) to VGA (M) Adaptor	329-3890
887419200	DVI-D (F) to P&D-D (M) Adaptor	329-3907
887419300	DVI-I (F) to DFP (M) Adaptor	329-3919
887419400	DVI-I (F) to DVI (M) Adaptor	329-3920

CS574

Order Code	Price Each	
	1+	10+
329-3786		
329-3798		
329-3804		
329-3816		
329-3828		
329-3830		
329-3841		
329-3853		
329-3865		
329-3877		
329-3889		
329-3890		
329-3907		
329-3919		
329-3920		

DVI Receptacles



- DVI PCB receptacles approved by the DDWG
- Suitable for both digital and analogue transmission (9.9Gbs and 2.5Ghz)
- Mates with both Molex DVI cables and adaptors
- Available in both right angle and vertical configurations



CS576

Description	Mfrs. List No.	Order Code	Price Each	
			1+	10+
DVI-I Right Angle	743201004	352-6124		
DVI-I Vertical	743203004	352-6136		
DVI-D Right Angle	743204004	352-6148		
DVI-D Vertical	743205004	352-6150		
DVI-I Right Angle Forklock	743209014	352-6161		

Smart Card Connectors

- A range of wiping contact products
- Meets with the requirements of **ISO 7810/7816** standards
- 3mm high modular product with 100,000 card insertion
- Landed contact products with 300,000 card insertion



Current rating	1A max 10µA min	Housing Contact Plating	High temperature polymer UL94V-0 Copper alloy Gold over nickel
Voltage rating	50V max		
Contact resistance	<100MΩ		
Insulation resistance	>10 ¹⁰ MΩ		
Operating temperature	-40°C to +85°C		

CS488

Standard Type

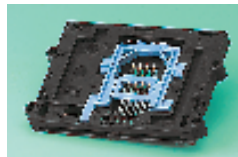


- 8 and 16 way position offering wiping contacts
- Self cleaning (normally open) end switch
- Moulded location pegs for pcb alignment and card support
- 100,000 card insertions

CS487

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	25+	50+	100+	250+
8	SCC01-312-08320	152-092					
16	SCC01-312-16320	152-183					

Landing Contacts



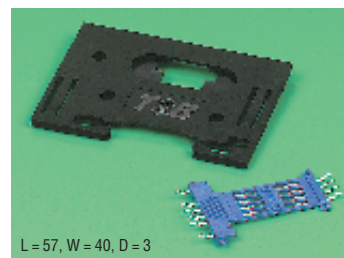
- Design for ISO smart cards
- Self cleaning end switch with standard layout
- location pegs for pcb alignment and contact support
- 300,000 card insertions

L = 66, W = 45, D = 6.4

CS485

Mfrs. List No.	Order Code	Price Each				
		1+	25+	50+	100+	250+
SCC02-050-08420	152-225					

Ultra Low Profile - Modular 3mm



L = 57, W = 40, D = 3

- Two piece modular system
- SMT mounting
- Supplied in kit form
- Contacts can be used on their own
- Location pegs to assist alignment of solder pads
- Self cleaning end switch, normally open

CS484

Mfrs. List No.	Order Code	Price Each				
		1+	25+	50+	100+	250+
SCC01-200	152-304					

- A range of chip card connector products, with wiping and landing contacts
- Provides electrical connection of chip cards according to ISO7810-7813
- Variants for different environments, friendly, harsh or space critical
- Wide range of application : data terminal, security, Epos payment, metering



Current capacity	1A max 10µA min	Housing Contact Pins	Self extinguishing thermoplastic UL94V-0 Copper-alloy, gold over nickel plating Copper alloy, tin over nickel plating
Voltage rating	≥300Vrms		
Dielectric withstand voltage	≥ 1000Vrms		
Contact resistance	≤100mΩ		
Insulation resistance	≥ 10 ¹⁰ MΩ		
Operating temperature	-40°C to 90°C		

CS345

Standard Type



L = 62, W = 40, D = 9

CS348

Mfrs. List No.	Order Code	Price Each				
		1+	25+	50+	100+	250+
7001LM040812F	749-631					