



Recommended PCB Layout (Top View)

Material and Finish

Shell: steel, nickel plated
 Insulator: LCP high temp. thermoplastic, UL 94V-0 rated, white or black color, reflow process compatible
 Recommended Soldering Temp: 230°C for 30 seconds, 260°C max. for 10 seconds
 Contact Material: copper alloy
 Contact Plating Options:
 Standard: gold flash on mating end, 100u" tin-lead on termination end, with 50u" nickel underplate on entire contact
 30 Option: .000030" [0.00076mm] gold on mating end, 100u" tin-lead on termination end, with 50u" nickel underplate on entire contact

Electrical Specifications

Rated Current: 1.5A min.
 Rated Voltage: 40V DC
 Dielectric Withstanding Voltage: 500V (rms) AC for 1 minute
 Insulation Resistance: more than 1000 Megohm at 500V DC
 Contact Resistance: 20 milliohm max. initial, 10 milliohm max. change from initial
 Operating Temperature: -20°C to +85°C

Mechanical Specifications

Insertion Force: 4.5kg (10 lbs) max.
 Withdrawal Force: 1.0kg (2.2 lbs) min.
 Durability: 100 mating cycles
 Vibration: no discontinuity >1us

Ordering Information

Part Number	Insulator Color	Contact Area Plating
KVI-DA29S-FP-B	Black	Gold Flash (standard)
KVI-DA29S-FP-W	White	Gold Flash (standard)
KVI-DA29S-FP-B30	Black	30u" Gold (30 option)
KVI-DA29S-FP-W30	White	30u" Gold (30 option)

Tolerances
X.X ± 0.25
X.XX ± 0.15
Unless Stated Otherwise



REVISION	DATE	DESCRIPTION	DRAWN BY	REV CHECK BY	UNITS
A2	11/16/01	Ref. ECO#01-219	K. Wallace	K. Tharp	mm
B1	7/2/02	Ref. ECO#02-067	REVISED BY	REV CHECK DATE	DATE
C1	7/28/03	Ref. ECO#03-040	T. Gokcek	8/1/03	9/21/01

KVI-DA29S-FP-xyy
 x - insulator color
 yy - plating option

DVI Connector, Digital/Analog
 29 Contacts, #4-40 Inserts, Plastic Posts

