



Recommended PCB Layout
(Top View)

Material and Finish

Shell: steel, nickel plated

Insulator: LCP
High Temp. Thermoplastic
UL 94V-0, White or Black
Reflow Compatible

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:
1.5 Amps minimum
- Rated Voltage:
40V DC
- Withstanding Voltage:
500V (rms) AC for 1 min
- Insulation Resistance:
more than 1000 Mohm at 500V DC
- Contact Resistance:
20 mohm Max, initial
10 mohm Max change from initial
- Dielectric Strength:
1000V for 1 min
- Temperature Rating:
-20°C to +85°C

Mechanical Specifications

- Insertion Force: 4.5kg (10 lbs) Max
- Withdrawal Force: 1.0kg (2.2 lbs) Min
- Durability: 100 Cycles
- Vibration: No discontinuity >1us

Part Number	t_gold	Insulator Color
KVI-DG24S-N-W	flash	White
KVI-DG24S-N-B	flash	Black
KVI-DG24S-N-W30	30u"	White
KVI-DG24S-N-B30	30u"	Black

CSA NRTL/C Certified File No. LR78160

REVISION	DATE	DESCRIPTION	DRAWN BY	DESIGNED BY	UNITS
B1	6/6/01	Ref ECD 01-105	C. Leiva		mm
B2	11/16/01	Ref. ECD#01-219	REVISED BY		DATE
C1	7/2/02	Ref. ECD#02-067	C. Leiva		3/29/00

KVI-DG24S-N-x
x = insulator color

DVI Connector
Digital Only, 24 Contacts, #4-40 Inserts

