



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

