

# HIGH-VOLTAGE kV Seal™ Contact Assemblies

Rev. 06.04.25



GHV-003 kV Seal Size #12 13.5 kV contacts for  
Glenair Mighty Mouse, Series 79, and D38999 Series II connectors

KV SEAL™ CONTACT ASSEMBLIES



## KV SEAL CONTACT FEATURES

- 13.5 kVDC operating voltage
- .518" socket for drop-in use with Glenair Signature Mighty Mouse, Series 79, and MIL-DTL-38999 Series II connectors

## PERFORMANCE SPECIFICATIONS

- IR: 5000 Megohms at 500 VDC
- DWV: 18 kVDC, 10uA max leakage current at sea level / ambient conditions
- Temperature: -55° to +125°
- Add Mod Code **1223\*\*** to part number to include high-altitude DWV testing in final inspection

## MATERIAL / FINISH

- Inner Contact, Pin/Socket - copper alloy / gold over nickel
- Contact Insulator Body - high-grade rigid dielectric
- kV Seal - fluorosilicone blend
- Wire Overmold - silicone blend
- Wire - fluoropolymer primary insulation (standard). Silicone-coated fluoropolymer available.
- Assemblies using option **T** etched wire packaged in UV-resistant bags

## HOW TO ORDER

<b>Sample Part Number</b>	<b>GHV-003</b> - <b>A</b> <b>PP</b> <b>T</b> <b>0</b> - <b>36</b>
<b>Series</b>	<b>GHV-003</b> = kV Seal 13.5 kVDC High-Voltage Contact Assembly, Size #12
<b>Contact Envelope / Wire Gauge</b>	<b>A</b> = #24 AWG wire <b>B</b> = #22 AWG wire (See Table II)
<b>Contact Gender and Assembly Type</b>	<b>P</b> = Pin (AS39029/58 type), with flying lead <b>S</b> = Socket (AS39029/56 type), with flying lead <b>PP</b> = Double-ended Pin assembly <b>SS</b> = Double-Ended Socket assembly <b>PS</b> = Double-ended Pin and Socket assembly
<b>Wire Finish</b>	<b>S</b> = Silicone-Coated Fluoropolymer <b>T</b> = Continuously-Etched Fluoropolymer
<b>Wire Color Code</b>	<b>0</b> = Black (per MIL-STD-681)
<b>Total Length</b>	in inches (e.g. - <b>36</b> = 36 inches) 12" minimum needed for testing

## TABLE II - CONTACT ENVELOPE / WIRE GAUGE PERFORMANCE

Sym	Contact Envelope		Wire Gauge	Current Rating	OP Voltage Through 70K ft.
	Pin	Socket			
<b>A</b>	AS39029/58-365	AS39029/57-359	24	3	13.5 kVDC
<b>B</b>			22	5	

## OUTGASSING PROPERTIES – GLENAIR SIZE 12 KV SEAL HV CONTACT

Material	Manufacturer	TML%	CVCM%	VWR	Data Ref.
3145 Clear Silicone RTV	Dow Corning	0.15	<0.01	0.09	w/o 59566-6
CF2-135 Primer	Nusil	4.22	<0.01	2.36	wo 79884
FEP Wire insulation	Glenair	0.01	0	0	GSF31882
Duraelectric Wire Coating 961-066-S-26-X	NuSil	0.16	0.06	0.03	GT-14-109
Duraelectric K 50 duro silicone GPS146-M2-5	Glenair	0.25	0.07	0.08	wo TR73288

